

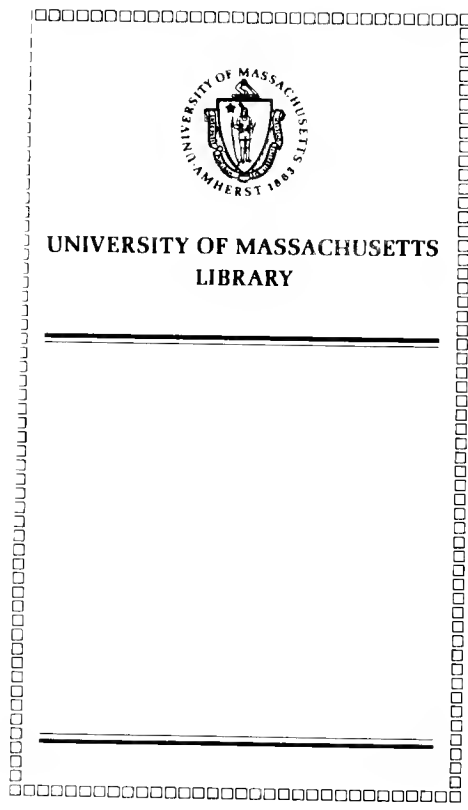
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MICHIGAN
ANN ARBOR, MASS.

FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXV. NO. 1

NEW YORK AND CHICAGO, JANUARY 4, 1903

One Dollar Per Year

Winsor and White Enchantress

Strong Rooted Cuttings
Now Ready for Delivery

WINSOR has proved to be the finest carnation in the light pink class. We sold a large quantity of it last year, but there will be a much larger sale for it this year. At the English Carnation Show held in December, it was the winner in the light pink class. It is doing well everywhere, and will supplant everything in that color.

WHITE ENCHANTRESS will occupy the same position among white carnations that Enchantress does among flesh pinks. It has all the good qualities of the common Enchantress,—long stem, earliness, large size, freedom, etc. In our opinion it is by far the best white carnation ever introduced.

We have a splendid stock of both Winsor and White Enchantress ready for immediate delivery, and will guarantee perfect satisfaction with the cuttings supplied. Do not wait, because the demand for these varieties is bound to be enormous. Order early, while we can promise immediate delivery, and secure gilt-edged stock. We have a large stock of both of these varieties, and all our cuttings are heel cuttings, taken from flowering stems. On account of the quantity that we are growing, we are not obliged to over-propagate, and our stock is in the most perfect and healthy condition.

Strong rooted cuttings from sand, \$6.00 per 100, \$50.00 per 1,000. Extra strong transplanted cuttings from soil, \$7.50 per 100, \$60.00 per 1,000. Strong established pot-grown plants, \$9.00 per 100, \$75.00 per 1,000.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York



SPLENDID CROP OF

Asparagus Plumosus Nanus

Good heavy strings, 8 ft. long, 50 cts. each

ASPARAGUS PLUMOSUS NANUS PLANTS

\$3.50 per 100

ASPARAGUS SPRENGERI PLANTS

\$2.50 per 100

W. H. ELLIOTT, BRIGHTON, MASS.

Special Prices to Clear



SPIRAEA FINE LARGE CLUMPS WITH PLUMP EYES

	Per doz.	Per 100
Astilboides Floribunda, large white.	\$0.65	\$1.00
Astilboides Superbe	.70	4.25
Blondin, best for Easter	.70	4.25
Compacta Multiflora	.70	4.25
Japonica	.65	4.00

CALLAS 1 1/2-2 inch, \$6.00 per 100; \$55.00 per 1000
2-2 1/2 inch, \$9.00 per 100; \$82.50 per 1000

Lilium Harrisii 5-7 (400 to case)... Per case \$15.00
6-7 (333 to case)... Per case 16.00

Lilium Longiflorum 7-9 (300 to case) \$4.75 \$42.00
9-10 (200 to case) 7.50 70.00

DUTCH ROMAN HYACINTHS

	Per 100	Per 1000
L' Innocence	\$2.35	\$21.00
Queen of Blues	2.00	18.50
Grand Maitre	1.80	16.50

BEDDING HYACINTHS

Light Blue, Rose, Pure White, White and Blush.

Single bedding grade, per 100, \$2.50; per 1000, \$23.50.

NAMED DUTCH HYACINTHS

Full line, best varieties

First size.....per 100, \$7.00; per 1000, \$65.00
Second size.....per 100, 4.50; per 1000, 42.50

Manetti Stocks

(Ready) for Grafting

	Per 1000	Per 3000
French stocks,	\$12.00	\$30.00
English stocks,	15.00	36.00

Ask for prices on large lots.

Vaughan's Seed Store

14 Barclay St., New York Tel. 1676 Cortlandt
CHICAGO, 84 Randolph St. Greenhouses & Nurseries, Western Springs, Ill.

PELARGONIUM PURITY

Why not grow PELARGONIUM PURITY as an Easter Plant? They can be had in splendid shape, they are as easy to grow as a Geranium, bloom early and continue blooming for two months, make dwarf bushy plants as pretty as an Azalea, and can be sold more readily because cheaper. We have a few thousand in fine shape, 3 in. stock, which we offer at \$1.50 per doz.; \$6.00 per 100. We also have other good varieties, such as GALATEA, COUNTESS OF CREWE, GLORIOSA, COUNTESS OF WARWICK, TOMMY DODD, etc. \$1.50 per doz.; \$6.00 per 100.

GERANIUMS

New Varieties We will send a collection of one each of one hundred varieties 1905-6 introduction for \$10.00; fifty for \$5.00.

Standard Varieties We have an immense stock in fines hape ready for immediate shipment, including the very best varieties

	Per 100	Per 1000
S. A. NUTT, - - - -	\$2.00	DOUBLE DRYDEN, - - - - \$4.00
GEN. GRANT, - - - -	2.00	NME. LANDRY, - - - - 2.00
BERTHE DE PRESILLY, - - - -	3.00	PAUL CRAMPEL, - - - - 6.00
LA PILOTE, - - - -	2.00	MISS KENDALL, - - - - 2.00
MRS. E. G. HILL, - - - -	2.00	MADONNA, - - - - 3.00
MME. CHARLOTTE, - - - -	2.00	COLLOSSUS, - - - - 6.00
MARQUIS DE CASTELLANE, - - - -	3.00	EL CID, - - - - 2.00
PETER HENDERSON, - - - -	4.00	MME. JAULIN, - - - - 2.00
E. H. TREGO, - - - -	4.00	CACTUS GERANIUMS, - - - - 10.00
GRANVILLE, - - - -	2.00	

We will send one thousand, fifty each of twenty varieties, our selection, single and double, for \$18.50; five hundred, \$9.25.

Dahlia Roots We are booking orders for Spring or immediate delivery, whole field clumps at prices ranging from \$1.00 per doz., \$5.00 per 100 up; can still offer over 100 varieties. Send for list. We have a few thousand of mixed, all colors and classes, at \$35.00 per 1000.

	Per 100	Per 1000
LANTANAS, in 10 good varieties,	\$2.00	Caladium Esculentum, 2-6 in., \$1.00
HARDY ENGLISH IVY, - - - -	2.00	COLEUS, 10 good varieties, 6-9 in., 2.00
FUCHSIAS, Black Prince, - - - -	2.00	AGERATUM, Stella Gurney, - - - - 2.00
CUPHEA, Cigar Plants, - - - -	2.00	Inimitable, Dwarf White, - - - - 2.00

Visitors always welcome. Cash with Order.
R. VINCENT, JR. & SONS CO., White Marsh, Md.

THE FLORISTS' EXCHANGE



ALLEY PIPS FOR FORCING

- Perfection Pips, \$1.75 100, case 2000, \$26.00.
- Three Year Hamburg, \$1.25 100, case 2500, \$26.00.
- Spirea Japonica, \$4.00 100.
- Spirea Compacta, \$4.50 100.
- Spirea Astilboides, \$4.50 100.

WM. ELLIOTT & SONS, 201 Fulton St., New York

NEW CROP FLOWER SEEDS

STUMPP & WALTER CO., 50 Barclay St., NEW YORK

The Chiffon Bands

which we spoke about last week are exceptional in value. The prices are most unusual for qualities so good as these.

- 3** cents a yard 4 inches wide
- 4** cents a yard 6 inches wide
- 6** cents a yard 10 inches wide

In pieces of about 35 yards
Woven firm and evenly, smooth and lustrous. In colors and shades to match or blend with the wanted flowers and all foliage.

A Postal brings you Samples

The Pine Tree Silk Mills Company Philadelphia

Office and Salesrooms: 806-808-810 ARCH STREET
Address Dept. E, 52-54 N. EIGHTH STREET

FOR IMMEDIATE SOWING

We can supply Fresh Seeds of the following:

RAWSON'S MAMMOTH VERBENAS in splendid mixture of colors..... 1 oz. 30c. 1 oz. \$1.00
VINCA ROSEA, in Rose, Pure White, White with Rose Eye and Mixed.....oz. 50c

SALVIA

SPLENDENS GRANDIFLORA oz. 25c. oz. \$1.50. | **FIREBALL** 1/2 oz. 75c. oz. \$5.00
BONFIRE (Clara Bedman)..... 40c. 2.50. | **ZUNICH** (Novelty 1907) \$1.25 \$ 00

KING OF CARPETS (Novelty 1908)

Undoubtedly the best SALVIA for bedding; when the plant begins to flower, usually early in July, foliage and stem are entirely hidden by the massive display of flowers; grows only 18 in. high and is of the brightest scarlet. Per pkt. 20c.

Sow Seeds Which Germinate. We Supply Them.

W. W. RAWSON & COMPANY

5 Union Street Boston, Mass.



Landreth's Seeds

NONE are BETTER

Try Landreth's Red Rock Tomato, the best Large Red Sort
Wholesale price \$2.75 per pound.

Or Shipper's Pride Cantaloupe, \$1.20 per pound.

BLOOMSDALE SEED FARMS, BRISTOL, PA.

ROSES FOR IMMEDIATE DELIVERY

BABY RAMBLERS, from 5 inch pots without the pots	Per 100	\$15.00
CRIMSON RAMBLERS, extra strong		\$12.00 to 15.00
P. ROSES		10.00
COCHETS		7.00

F. W. O. SCHMITZ, Prince Bay, N. Y.

ONION SETS

Chicago produces the best ONION SETS in the country and our stock this year is not only full but of the very highest quality. Write us for prices.

KNUD GUNDESTRUP

4273 MILWAUKEE AVENUE - - - CHICAGO



ESTABLISHED 1802

ASPARAGUS PLUMOSUS

NANUS \$2.25 per 1000 seeds.

ASPARAGUS PLUMOSUS

ROBUSTUS \$2.00 per 1000 seeds

Send for our wholesale catalogue of seeds for Florists and Market Gardeners, ready in a few days.

J. M. THORBURN & CO.

33 Barclay St., through to
38 Park Place, New York.

Everything of the highest grade.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

XXX SEEDS

VERBENA, Improved Mammoth, finest grown, mixed. 1000 seeds, 25 cts.

PHLOX Drum, pumila, very dwarf, grand for pots, fine colors. Pkt. 25 cts.

HARDY PHLOX, finest large-flowering dwarf vars. mixed. Pkt. 25 cts.

ALYSSUM compactum, most dwarf and compact var. grown, perfect balls when grown in pots. Pkt. 25 cts.

PETUNIA, Star Improved, from finest marked flowers, very fine. Pkt. 25 cts.

PETUNIA, Giant Single Fringed, large and fine. Pkt. 25 cts.

CHINESE PRIMROSE, finest grown, single and double mixed. 500 seeds \$1.00; 1/2 pkt. 50 cts.

CINERARIA, Large-Flowering Dwarf, mixed. 1000 seeds 50 cts.

GIANT PANSY, finest grown, critically selected. 5000 seeds \$1.00; 1/2 pkt. 50 cts.

CYCLAMEN Giganteum. 200 seeds \$1.00.

IRISH SHAMROCK, true. 1000 seeds, 50 cts.

MARGUERITE DAISY, Princess Henry, mammoth flowering, hardy, new, grand for cutting. Pkt. 25 cts.

ANTHRINUM, New Dwarf, fancy colors, exceedingly fine. Pkt. 25 cts.

LOBELIA Emperor William, finest grown. Pkt. 25 cts.

Cash. Extra count of seeds in all packets.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES



Mushroom Spawn

the best Mushroom Spawn in the market, is sold by all leading seedsmen.

A fresh sample book, enough for a small trial bed, together with large illustrated book on

"MUSHROOM CULTURE," will be mailed postpaid on receipt of 40c. in postage stamps. Address American Spawn Company, St. Paul, Minn.

"Quality is remembered long after price is forgotten." What Quality Means.

Quality means the best and finest types procurable in their respective classes. We go to specialists for our flower seeds. Our customers, the florist, the private gardeners demand the highest grade. We have no cheap catalogue trade. "Quality" may mean a little higher in price. "Quality" in fact, means "Quality" and we know that when you buy from us you get it, and our customers know it, too. Catalogues now in press; 40 pages. Write for one; it's free. We sell bulbs too.

ARTHUR T. BODDINGTON, SEEDSMEN,
342 West 14th St., NEW YORK

PANSIES

THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500. PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

E. B. JENNINGS,

Lock Box 25-1, SOUTHPORT Conn.
Grower of the Finest Pansies

New Crop Flower Seeds

FOR GREENHOUSE SOWING—Mignonette, N. Y. Market, Cyclamen Persicum Giganteum, Calceolaria and Cleocaria, W. A. D.'s selected strain, Primula Sinensis, Fimbriata, Stocks, Princess Alice and Snowflake, Mushroom spawn, English and Fine Culture. Special prices on application.

Weeber & Don, SEED MERCHANTS AND GROWERS
114 Chambers St., NEW YORK

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
2 Duane Street, New York

SEEDS - NEW STOCK

	Trade Pkt.	Oz.
Begonia Verdon	.50	\$2.00
Begonia Erfordii	.50	
Candytuft Empress	.15	
Carnation Marguerite	.25	1.00
Centaurea Gymnocarpa	.10	.25
Cyclamen Giganteum in colors		\$1.00
per 1000 seeds		
Labellia Crystal Palace Comp.	.25	1.25
Mignonette New York Market	.50	5.00
Mysotis Victoria	.40	.50
Salvia Splendens Grandiflora	.25	1.00
Salvia Splendens Bonfire	.50	2.50
Stock Boston Market in colors	.50	5.00
Verbena Mammoth mixed	.25	1.00
Vinca Rosea and Alba	.10	.40

W. E. MARSHALL & Co.

146 West 23rd Street - - New York

NEW CROP FLOWER SEEDS

Verbena Mammoth, in colors or mixed, 1/4 oz 30c., oz. \$1.00

Salvia Splendens, 1/4 oz 35c., oz. \$1.25.

Salvia Bonfire, 1/4 oz. 75c., oz. \$2.50.

Lily Valley, Early forcing, to close out, per 1000, \$11.00.

Fresh Tobacco Stems, Bale of 300 lbs. \$1.50.

W. C. BECKERT, Pittsburg, N. S., Pa.

Lily of the Valley

FINEST BERLIN \$12.00 per 1000

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

37 EAST 19th STREET, Near Broadway,

Tel. 4235 Gramercy NEW YORK CITY.

Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

Half-Price Sale SURPLUS BULBS

Choice Hyacinths, Tulips, Crocus and Narcissi
 The Most Generous Offer Ever Made to the Trade
 Send for Our Wholesale List and Deduct
 One-Half From the Prices Quoted Therein
JOHNSON SEED CO., 217 Market St., Philadelphia, Pa.

CLOSING OUT OUR SPIRAEAS

Japonica and Compacta, multicolora	Doz.	100
Astfildes floribunda	\$0.60	\$1.00
Superba	.75	1.25
	.75	1.25

"FRESH FERNSPORES."
 SEND FOR LIST.

Our new Seed and Bulb Catalogue for Spring, 1908, ready during January.

Send for it if your postman does not bring it.
H. H. BERGER & CO.
 70 Warren Street New York

Gladiolus "America" FOR FORCING

Strong bulbs, \$60.00 per 1000.
 Florists' white and light, mixed, \$12.00 per 1000.
 Iris Kaempferi, named, \$50.00 per 1000.
 Iris Kaempferi, mixed, \$30.00 per 1000.
 Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.
 Phoenix Roebeleni seedlings, \$4.00 per 100.
 Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.



Stock Seed

Giant Branching
 85% to 90% Double Flowers
 Pure White
 1/2 oz. \$5.00
 1 oz. \$5.00
 Other Colors, 1/8 oz., 60c.; 1/2 oz., 4.00

H. E. FISKE SEED CO.
 12 and 13 Faneuil Hall Sq., BOSTON, MASS.

S. M. ISBELL & CO.

JACKSON, MICH.
CONTRACT SEED GROWERS
 Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
 Correspondence Solicited
 Write for Prices on Surplus Stocks for Immediate Shipment

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.
 Address all communications to our permanent address, 48 to 56 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
 Warehouse, Santa Clara. Farms and Farm Headquarters, Carnadero, near Gilroy.

If you want some of our fine

EXCELLENTA VALLEY

from cold storage to be delivered before the end of the year then send your orders at once, as we have but small quantity left. \$37.50 for 2,500.

JOHN SCHEEPERS & COMPANY
 4 & 6 Old Slip, NEW YORK CITY

CHOICE GERMAN FLOWER SEEDS

Wholesale catalogue free on application.
FRED ROEMER, Seed Grower
 QUEDLINBURG, GERMANY



Wholesale catalogue free on application. If you choose now you get a whole lot of sterling merit.

EARLY MORN PEA, the earliest, largest podded pea known. One farmer harvested 50 bushels from one planted and received from \$5 to \$5.50 per bushel. Quality of the best.

GREGORY'S EARLY EXCELSIOR, the best second early low growing pea without any exception. A great favorite with the leading gardeners.


"Big Crop," our new white potato, out yields all the well-known varieties, is less affected by rot, and is deliciously hearty. Let us tell you all about it. Catalogue free.

J. J. H. GREGORY & SON, MARBLEHEAD, MASS.

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
 Successors to L. K. PEACOCK, Inc.
 ATCO N. J.



A. Mitting
Calla Lily Bulb Co.
 WHOLESALE
 17 to 23 Kennan Street
 Santa Cruz, Cal.
 U. S. A.

DAHLIA ROOTS

Strong field grown, all good cut flower varieties. Also KALMIAS and other native plants.

J. M. BASSETT, Hammonton, N. J.

ANNY MUELLER

2 inch pots at	\$5.00 per 100
3 inch pots at	15.00
4 inch pots at	18.00

KING HUMBERT CANNAS
 Dormant at \$1.00

VIBURNUM PLICATUM
 For transplanting 3.00

HYDRANGEA P. G.
 For transplanting 2.00

Creeping Roses, 2 year own roots 6.00
 Madam Plantior, extra strong 7.00
 Crimson Remblers, all sizes.

THE ELIZABETH NURSERY CO., ELIZABETH, N. J.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
 George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

BLYTHEDALE, MD.—J. Ford Semper is now in charge of the seed laboratory here instituted by his brother, Frank W. Semper.

CHICAGO. A new concern has just opened at 117 Fifth avenue known as the National Seed Company (incorporated), dealing in garden and field seeds and poultry supplies.

MARBLEHEAD, MASS.—The seed business of J. J. H. Gregory, who is now in his eightieth year, was on November 27 transferred to his son Edgar. The young man has for the past three years been head clerk in the seed house and foreman of the seed farms; he is a graduate of the Massachusetts Agricultural College, and is thoroughly familiar with the business in all its branches.

CANAL DOVER, O.—C. F. Betscher reports cut flower business slow. Collections were very good up to December, since which time they have been stiff. Mr. Betscher says bulbs in several lines have been in good demand. This has been the case with peonies, and the prospects for 1908 are bright. Cannas are scarce. There is an increasing call for dahlias, also for iris. Gladioli in the West are pretty well cleaned up.

Seed Trade Notes.

A trip part way West and an extended correspondence with many prominent seedsmen in the East since my last letter has made very clear to me the feeling of the trade in general regarding the prospects for business in the season that is so nearly upon us. Almost without exception the members of the seed trade that I have personally seen and communicated with during the past ten days, and the consensus of opinion is, with one or two exceptions, strikingly unanimous, affirm, and most positively, too, that the coming season of 1908 will develop to be by far the most satisfactory year the seed trade of this country has ever known. The foundation for such reasoning is most obvious; the great buying public is thoroughly imbued with the idea (the reasons for this are most apparent to the careful student of existing conditions) that there are very few seeds to be purchased at any price, and that it will be only the early buyers who will obtain a complete filling of their orders. Now this being, I think, a true state of the case (it matters little as regards the final results, whether the public has or has not in a measure unnecessarily alarmed itself I believe the seed trade in general will see more orders placed in January and February than ever before in the history of seed selling in America.

It is needless for me to take space to add that there will be the usual flood of orders in March and April no matter how many seeds are sold early in the year. But time will tell. I may be all wrong; and, if so, can most easily acknowledge myself mistaken.

The very unseasonable mild weather, without snow, which we are having all over the country, has much injured what little business there always is between

Continued on Page 8

VICK'S ASTER SEED

THE STANDARD OF EXCELLENCE

Vick Quality ASTERS

INTRODUCED BY US GROWN EVERYWHERE

- Vick's Branching (8 colors)
 - Vick's Snowdrift
 - Vick's Royal Purple
 - Vick's Lavender Gem
 - Vick's Daybreak
 - Vick's Purity
 - Vick's Sunset
 - Vick's Mikado
 - Vick's Cardinal
 - Vick's Violet King
- HOW TO GROW ASTERS, Revised**
 Full of information for Asters Growers. Price 10c.
 Free with an order of Aster Seed.
- FLORISTS' NOVELTY COLLECTION**
 Six of our latest introductions including Sunrise (New) and Early White Branching (New).
 Vick's Early White Branching \$0.25
 Vick's Imperial Aster Sunrise .25
 Vick's Violet King .20
 Vick's Cardinal .25
 Vick's Lavender Gem .25
 Vick's Rosy Carmine .25
 How to Grow Asters .15
- All of the above, including our "Aster Book for Florists" for 90c.

SEND FOR OUR NEW Illustrated and Descriptive Aster Book for Florists

It describes in detail, not only the varieties originating with us, but also all other leading sorts.
 The largest and handsomest work of its kind ever issued.
 Intended only for wide-awake florists who appreciate the fact that

The Best Quality is Always the Cheapest
 Mailed free upon request.

JAMES VICK'S SONS
 ROCHESTER, N. Y.
 The Leading Specialists and Largest Growers of High-Grade Asters in the World.

Two New Varieties for 1908

VICK'S IMPERIAL SUNRISE
 A novelty of extraordinary merit. Seedling from Vick's Daybreak, but distinct in form of flower, each petal being perfectly quilled. Color, delicate pink. Plant a robust grower, upright branches, each crowned with magnificent double flowers, three to five inches in diameter. Type securely fixed. Sure to be a winner. Packet 25c; two packets or more 20c, each.

VICK'S EARLY BRANCHING
 Developed from Vick's Late Branching. Flowers of this new variety can be placed on the market ten days ahead of Late Branching sorts. Plants have few branches which are free from side buds, the whole strength of the plant being given to the development of large perfectly double flowers. Long stems. Two colors, White and Rose. Packet 25c; two packets or more 20c, each.

For prices in quantity see our "Aster Book for Florists."

OTHER FAVORITE VARIETIES

Hohenzollern Early	Hohenzollern Late
White Fleece	Early Wonder
Empress Frederick	Giant Comet
Sample's Branching Pink	Queen of the Market

For prices see our "Aster Book for Florists."

ROSES FOR FORCING Strong-Dormant Immediate Delivery
Send for Prices & Lists

American Beauty, Clothilde Souper, Gloire de Dijon, Hermosa, Kaiserin A. Victoria, Killarney, Liberty, La France, Maman Cochet, Marechal Niel, Mrs. R. G. Scharman-Crawford, Marchioness of Londonderry, Souv. de la Malmaison, including all the leading varieties of Hybrid Perpetuals.

BAY STATE NURSERIES, - North Abington, Mass.

F. & F. NURSERIES SPRINGFIELD NEW JERSEY
Wholesale Growers TREES AND PLANTS in full assortment. Trade Catalogue Free

ROSES Selected Stock for Forcing
Crimson Rambler and Dorothy Perkins
3 to 4 ft. \$1.50 per 10, \$12.00 per 100.
4 to 5 ft. \$2.00 per 10, \$15.00 per 100.

Hybrids. All leading varieties, \$1.50 per 10, \$12.00 per 100.

General Catalog and Trade List on application.

THE NEW ENGLAND NURSERIES, Inc., BEDFORD, MASS.

MANETTI
Smooth, evenly graded, especially selected for Florists' use

Grafting Size, 3-5 m/m, \$8.00 per 1000; \$75.00 per 10,000.
Extra Size, 5-9 m/m \$10.00 per 1000; \$90.00 per 10,000.

First consignments expected soon; order NOW for prompt shipment on arrival and avoid disappointment.

Send for Price List of **NURSERY STOCK FOR FLORISTS**
Roses, Clematis, Ampelopsis, Lilacs, Deutzias, Splreas, Etc.

Jackson & Perkins Company, Newark, New York

AMPELOPSIS VEITCHII
Extra fine, well rooted, 2-year, light grade for lining out, \$20.00 per 1000; 10,000 for \$150.00.

CALIFORNIA PRIVET
Extra well branched, 2-year-old, 2 to 3 feet at \$35.00 per 1000; 1-year-old, 12 inches, at \$15.00 per 1000.

AMERICAN ARBOR VITAE
4 to 5 feet at \$15.00 per 100; 3 to 4 feet at \$10.00 per 100; 5 to 6 feet at \$17.00 per 100. Extra fine stock.

WISTARIA PURPLE
2 to 3 feet at \$7.50 per 100; \$60.00 per 1000; 3 to 4 feet at \$10.00 per 100.

JOS. H. BLACK, SON & CO., Hightstown, N. J.

NEW NEW

Rambler Rose "Newport Fairy"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHR'S CO., Rutherford, N. J.

A COMPARISON OF COSTS

Is the cost of a one inch advertisement in every issue of *The Florists' Exchange* for one year, 52 issues. Total circulation, 369,200.

Is the cost of a three inch advertisement in every issue of *The Florists' Exchange* for one year, 52 issues. Total circulation, 369,200.

Is the cost of a six inch advertisement in every issue of *The Florists' Exchange* for one year, 52 issues. Total circulation, 369,200.

Is the cost of the one cent stamp required to mail 369,200 circulars, exclusive of the great additional cost of paper, printing, addressing, etc.

\$46⁸⁰
\$140⁴⁰
\$280⁸⁰
\$3692⁰⁰

The advertisements in *The Florists' Exchange* are ALWAYS read. The circular generally goes into the waste basket, without being read.

NURSERY STOCK for Florists' Trade
Fruit and Shade Trees, Evergreens, Shrubs, Roses, etc.
Specimen Tree Box. Pyramidal Standard and Bush Form.

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Specimen Evergreens
SUITABLE FOR TUBS AND VASES
HEMLOCK, WHITE PINE, RETINOSPORA, A. VITAE, etc.
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The greatest pot rose for florists extant. A superb forcing variety. We have proved it. Color a deep pink. Price, \$3.50 per 10; \$30.00 per 100.
WHITE BABY RAMBLER (Catherine Zelmet), with double white perfect flowers; fragrant; a good forcer, \$3.50 per 10; \$30.00 per 100.
PINK BABY RAMBLER (Anny Muller), a perfect bedding rose; as such there is nothing to equal it. Its color is charming. \$3.00 per 10; \$25.00 per 100. Above all in field-grown plants.

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TWO YEAR OLD Everblooming Roses
Own Roots

THESE are strong well-branched plants They have been potted for some time and are well equipped with roots. Packing can be done very light and they will carry safely to any part of the country

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Snowflake	R. M. Henrietta
Climbing Meteor	Striped R. M.
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Isabella Sprunt	Safrano
Coq. de Lyon	Marechal Niel
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Root grafted, Bridesmaid, 3 in. 6c.
ENGLISH IVY, field grown, \$4.00 per 100; \$35.00 per 1000.

PERNS, Boston, 4 in. 12c., 5 in. 25c., each.
Pieroni, 3 in. 8c.; Scotti, 3 in. 10c., 4 in. 15c.; Elegantisima, 2 1/4 in. 6c., 3 in. 10c., 4 in. 15c.

HYDRANGEA OTAKSA, field grown, 6c., 8c., 10c., and 15c., by the dozen or hundred. October delivery.

POINSETTIAS, 3 in. shipped in pots, \$8.00 per 100; shipped out of pots, \$7.00 per 100; 6 in. shipped in pots, 50c. each.

THE BAUR CARNATION CLIP for mending split carnations. Handiest thing out. Will bring you back twenty dollars for every dollar you invest in it. Send for illustrated circular.

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ROSES

400 sorts: own roots: summer grown: 2 1/2 and 4 in. delivery now or later.

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Sphagnum Moss and Cedar Poles
Moss, 5 barrel bale, \$1.25; 3 bales, \$3.25; 5 bales, \$5.00; 10 bales, \$9.50. Poles, 2 in. butt, 3 ft. long, \$15.00 per 1000; 2 1/4 in. butt, 10 to 12 feet long, \$22.50 per 1000; 1 1/4 in. butt, 5 to 7 ft. long, \$10.00.

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For Trees, Shrubs, Vines, and Small Fruits.
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A complete line of Nursery Stock.
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CALIFORNIA PRIVET
String one-year plants, 18 to 24 inches, branched, \$2.00 per 100; \$15.00 per 1000.
12 to 20 inches, strong, \$1.50 per 100; \$10.00 per 1000. Two-year all sold.

ASPARAGUS ROOTS Palmetto, Coarover's Colossal and Ghut Argenteuil, extra strong, 2-year, 75c. per 100; \$4.00 per 1000. Strong 2-year, 75c. per 100; \$3.00 per 1000. All tied in 25s. Address,
CHARLES BLACK, Hightstown, N. J.

P. OUWERKERK
216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.
Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis and H. P. Roses in the best sorts.

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\$12.00 per 100; \$100 per 1000.
If you can furnish the scions, we can quote you lower prices in any quantity you wish.
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NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSERYMEN.

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

Packing and Shipping Young Forest Trees.

The United States Forest Service gives the following directions for the packing and shipping of forest tree seedlings: "As soon as the seedlings are taken from the ground the roots should be dipped into a puddle of thin mud. Bundles of 50 or 100 should then be made, and the roots of the plants covered with moist sphagnum moss, which, in turn, should be wrapped about with several layers of thick paper. The paper assists greatly in preventing the evaporation of moisture from the bundle."

This is good advice. The puddling of the roots of all kinds of stock is now practiced by almost all nurserymen, having been found of the greatest advantage to the stock. Unless the seedlings are very small there would be no need to tie in bundles. Still, when in bundles of a certain number each it enables the receiver of them to determine whether or not he has received the correct number ordered, and the stock is taken from the packing cases much more expeditiously when so treated.

The sphagnum moss recommended is a good thing, but nurserymen who pack largely have ceased to use it for some time past, because of its great expense alongside of excelsior and even short straw, partly decayed. When excelsior and straw are mixed and well wetted and placed about the roots of plants in a box, the box cover well nailed on, the contents will be damp for many weeks afterward.

The Forest Service of the United States Department of Agriculture is doing good work in interesting the public in the importance of tree planting and its connecting interests.

High or Low-Branched Fruit Trees.

As a rule all writers for the agricultural press advocate the use of low-branched fruit trees. There are so many reasons for it they say; the ease of gathering the fruit, the protection one tree is to the other in cold climates, the prevention of the trees being blown over in gales, and lately is to be added the facility of reaching such trees with spraying mixtures. These are all good reasons, and they will appeal to those who set out orchards of fruit trees, such as those do who are readers of the agricultural journals. On the other hand, a salesman of a large retail nursery finds that his customers do not want a low-branched tree. One trimmed up to five feet is about what is desired. If lower branched the customer will ask to have the tree trimmed up; and when buying in a stock of trees, as many retail nurseries do, the high-branched ones are always preferred, being the best sellers. The reason for this is, that the man who wants but a dozen or so of trees wishes them to set here and there, perhaps in his vegetable garden or on his lawn, and he prefers a tree that he can get under when he wishes to. The space under the tree adds so much to the dimensions of his lot, often but a small one; while many of the reasons the orchardists give for low-branched trees do not concern him.

This is why the retail nurserymen living near large cities ask the wholesale growers to select for them high-branched trees or those that can easily be pruned up higher than they are if desired.

Cuttings of Shrubs.

With the advent of New Year's it is time that the making of cuttings of such shrubs as it is desired to increase should be commenced. In many European countries this work is done in October, but then it is where but little freezing occurs, and the cuttings are inserted at once in the open ground in sheltered positions. This was the practice there when the writer was a lad, some 50 years ago, and it still is, as the magazines show, but his recollection is that there was not nearly the success attending the operation that there is with our way of making the cuttings in the Winter, packing them away in damp sand in a cool place until Spring, and then setting them out in nursery rows. It may be that in our Southern States the old European way could be tried successfully, but where hard freezings occur it is not the best method.

In addition to the Winter made cuttings, there is the Summer method, which consists of using the half-ripened young shoots and rooting them in a greenhouse or a frame. Between the two ways our nurserymen keep up a good supply of all kinds almost, for there is hardly one cutting that will take root under one plant or the other.

Where shoots are not scarce a length of 8-9 in-

ches is a good one for Winter made cuttings. This allows of easy handling both when making the cuttings and when setting them, and when set to half their length it leaves 4 to 5 inches above ground, ensuring several buds from which shoots should come.

There are hardly any shrubs of a deciduous nature that fail to root under good conditions treated in this way. The few there may be are not worth suggesting, and the propagator should go ahead with every kind desired. With evergreens, such as ivies, *Euonymus japonicus* and *lucidum*, *Photinia serrulata*, *Schinus japonica* and other hardy kinds, Summer made cuttings are the best.

Pruning Lilac Bushes.

As seen on many a lawn the lilac is not a shapely shrub. It is rarely pruned, and growing as it will its lower branches are usually bare of all young wood and consequently bear no blossoms. The lilac is one of the bushes that flower from the young shoots made the previous season, and this indicates

of all that on a lawn with not a sucker in sight. The roots of trees of the sprouting habit need to be injured before the trees sucker. When in a lawn or in any other place where the roots are undisturbed there are no suckers. The sassafras is one of the worst of suckering trees, when its roots are hurt. Yet there are many old trees of it on estates here around which no suckers appear.

Of course, we do not want to run the risk of planting such trees in particular places where it is quite unknown whether moles, mice or something else will or will not injure the roots; but inasmuch as concerns the beautiful sassafras, the writer would run the risk of recommending it as a lawn tree, where the surface about it was to be kept in soil.

There seems but little use for the allanthur, excepting for waste places where nothing else will grow.

Viburnum Wrightii.

Numerous as are the viburnums in cultivation no one contends there is not room for *V. Wrightii*, the one of our notes and illustration. The greater number

of those well known have their claims of merit based on their flowers. *Wrightii* asks for admission to the list because of the beauty of its scarlet berries. These berries are not large, but they are produced in great numbers, making of the bush that bears them one of the most ornamental of all in the closing days of Summer and in Autumn. Our photograph of the plant illustrated was taken in late September, at which date there was no evidence of any fading of the beauty of the berries; nor is there in any season until the cold of Winter approaches.

Landscape gardeners and all others who see it, in fact, make notes of its beauty in order to procure specimens for their planting projects.

Although its chief claims to recognition are on account of its red berries, it is not to be overlooked for its flowers. These are white, as are those of all other viburnums with which we are acquainted, and these white flowers are borne in clusters, a bunch on every shoot, practically.

There are some shrubs in which the bunches of berries so overlap the leaves as to be visible a long distance away; such a one is the *Viburnum opulus*. Such shrubs are well planted massed together to make a display of scarlet. In the case of the subject of our notes, *V. Wrightii*, the bunches of scarlet berries are so set among the leaves that each bush is as a bouquet; and a single bush set by itself is sufficient to make a pleasing display.

JOSEPH MEEHAN.



Viburnum Wrightii

that a good annual pruning is required. As with all shrubs of this class, the pruning must be done immediately after flowering is over. It can be severe or not as the bush seems to demand. If unshapely the bush should be cut back to permit of a well-formed specimen by Autumn. When the lilac is pruned every Spring as soon as flowering is over, it will be found that a moderate cutting back will suffice. Cut back some of the older shoots, leaving those made the previous Summer to give the flowers. The cut back ones will bloom the following Spring. This moderate pruning is really better than a heavy one, because, being in full expansion of foliage, a heavy cutting back takes so much of the foliage that the shrub receives a severe check. It is only in the case of an unshapely specimen that the temptation arises to prune it hard.

Allanthur Trees Sprouting.

A correspondent of the Country Gentleman writing from Buffalo, N. Y., as it appears, mentioning the allanthur, says of it: "And if the allanthur ever sprouts here, I have never seen it." To which the editors reply: "The editors would remark that in Albany the allanthur is regarded as an unmitigated nuisance." The character the aforesaid editors give this tree will be considered well deserved by almost everyone. Yet it will bear saying that in common with many trees noted for their suckering nature it is not unusual to see very large trees

PROHIBITION OF IMPORTATION OF GOOSEBERRY BUSHES INTO ENGLAND.—The Board of Agriculture and Fisheries has issued an order prohibiting the landing in Great Britain of any gooseberry bush or currant bush from abroad, as a step to the prevention of "gooseberry mildew." Ten pounds is the penalty for infringing the order. The term "bush" includes any part of a bush except the fruit. The order, which is cited as the American Gooseberry Mildew (Prohibition of Importation of Bushes) Order, 1907, came into operation on December 14, but will not apply to the landing of any bush on or before January 31, 1908, if a license authorizing such landing has previously been obtained from the Board of Agriculture and Fisheries, and is produced if so required by any officer of Customs when the bush is landed.—The Nurseryman and Seedsman, Eng.

DES MOINES, IA.—W. E. Garlock, one of the largest land owners in Jefferson township, Polk county, is planning to convert his farm into a model fruit ranch. For a number of years he has been gradually going into the fruit business and now he has over 12,000 live sets of which about 9,000 are bearing. He is now making arrangements to put in a large cold storage plant next Spring to take care of next season's crop. He already has a large fruit warehouse and practically all of the machinery necessary to care for the orchard.



NEW PINK BABY RAMBLER, ANCHEN MULLER

PINK, WHITE and CRIMSON Baby Rambler Roses

We offer a very nice lot of strong two year old dormant plants, which if potted up now will make elegant Easter stock.

PINK BABY RAMBLER

(Anchen Muller). A beautiful luminous shade of pink, a color which is always admired, \$3.50 per doz.; \$25.00 per 100.

CRIMSON BABY RAMBLER

(Mme. Norbert Levassieur). Fine plants of this popular variety, \$2.00 per doz.; \$15.00 per 100.

WHITE BABY RAMBLER

(Katherina Zehmet). Pure white with yellow stamens, flowers produced in large candelabra shaped trusses, \$3.50 per doz.; \$25.00 per 100.

HENRY A. DREER

714 Chestnut St., PHILADELPHIA, PA.

California Plant Notes.

The glory of our gardens at present is the poinsettia. The season has been favorable for its growth and the development of its large scarlet bracts. Furnished as most plants are this season with their bright green leaves, their beauty is much greater than when the plant is defoliated by chilly nights, as is often the case, leaving the scarlet tops fully developed on bare stems. There are specimen plants growing here fifteen feet high with an equal spread of top and with their hundreds of "bloom" they are gorgeous in appearance. These large specimens have been permitted to grow in their own natural way, the pruning knife or shears never having been used on them. This method of treatment does not produce long stems, but a greater number of bracts. Many specimens are grown by the magenta colored bougainvilleas, the two colors being out of harmony; the effect is not a pleasing one.

The next subject that makes our town aglow at present is the beautiful *Bignonia venusta*. Many houses of two stories are draped and festooned with garlands three to five feet long of this rapid growing vine, while small summer houses are completely covered with its golden colored bloom.

We have the unusual spectacle at present of several large *Grevillea robusta* in full bloom, the second crop for the season, and the first instance of the kind that has come under my observation.

Cassia tomentosa, an evergreen shrub, is also in full flower, and where given room for development it attains large size—10 to 15 feet. With its light yellow flowers, borne in great profusion, it is one of our most desirable ornamental shrubs. It also blooms freely during June and July, when it sets seed in great abundance.

Cestrum amaranticum is another yellow flowering shrub, of erect habit, that is making its contribution of beauty to our yards and gardens. This plant blooms every three months if the pruning shears are kept away from it, and eventually grows to be a very large shrub.

The beautiful *Reinwardtia trigyna* is also in full bloom. The flowers are an inch or more in diameter, of the pleasing color of allamandas, borne in great profusion. If planted in a sheltered sunny exposure and well cared for, it grows to a height of six feet, and spreads by suckers, which in a few years form a large clump. P. D. B.

Stock You Will Need

- MARGUERITE, QUEEN ALEXANDRA. \$3.00 per 100.
- SPIRAEA CLUMPS. Large field clumps full of eyes.
- ASTILBOIDES FLORIBUNDA. \$4.25 per 100, \$10.00 per 1000.
- ASTILBOIDES SUPERBA. \$6.00 per 100.
- NANA COMPACTA. \$4.50 per 100, \$40.00 per 1000.
- JAPONICA. \$4.00 per 100, \$35.00 per 1000.
- BOXWOOD. Fine bush shape plants, 30-36 in. high, 18-20 in. through, \$2.00 each. Pyramid shape, 3-36 in. high, 15 in. through, \$1.75 each.
- RHODODENDRON. Short well formed plants for pots, full of buds, 18 in. size, \$9.00 per dozen, 24 in. size, \$12.00 per dozen.
- AZALEA MOLLIS. Bushy plants, full of buds, force very easily, 12-15 in. high, \$25.00 per 100, 15-18 in. high, \$35.00 per 100.
- AZALEA INDICA. Some especially fine plants in *Mad. Van der Cruyssen, Nioba*, 16-18 in. crowns, \$1.00 each, 18-20 in. crown, \$2.00 each.
- BOUGAINVILLEA GLABRA SANDERIANA. Short well trimmed plants that will bloom full for Easter 4 in. pot plants, 6-8 in. crowns, \$20.00 per 100, \$2.75 per 12.
- CANNAS. One of the best collections of market varieties including *Beaute Pollevoine, Crimson Bedder, Charles Henderson, Florence Vaughan*, etc., strong 2-eye divisions, \$3.00 per 100, \$25.00 per 1000.
- BOSTON FERN. 24 in. well established, \$4.00 per 100, \$35.00 per 1000.

THE STORRS & HARRISON CO., Painesville, Ohio

WHOLESALE MARKET

For Flowering and Decorative Plants

OF THE

New York and New Jersey Association
of Plant Growers

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GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

GERANIUMS ROOTED CUTTINGS CARNATIONS

Send for Price List. A surplus of FLEUVE BLANC now at \$2.50 per 100. Other varieties at \$12.50 to \$15.00 per 1000.

ARISTOCRAT, PINK IMPERIAL, BEACON, ALBERT M. HERR

WINSOR, LAWSON, WHITE ENCHANTRESS, ENCHANTRESS, JOHN HAINES, WHITE PERFECTION and PINK PATTEN. Send list of what you want for prices.

Lancaster Pa.

BARGAINS! BARGAINS!

In Fine Condition

- Astilbe Gladstone \$3.00 per 100.
- Astilbe Compacta \$3.00 per 100.
- Astilbe Alexandra \$2.75 per dozen.

MOORE & SIMON, Bulb Importers, 339 Market Street, PHILADELPHIA, PA.

Araucarias

Nice plants from 5 in. pots—4 to 5 Tiers

THE CONARD & JONES CO.
WEST GROVE, PA.



1657 Buckingham Place,
CHICAGO, - - ILL.

Asparagus

- Plumosus Nanus, Sprengeri, 2 in. 2c.
- CHRYSANTHEMUM, stock plants, \$2.00 per 100.
- ROSE GERANIUMS, 2 in. 2c.
- ROOTED CUTTINGS below prepaid per 100.
- Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 3 kinds, \$1.00; Vinca Variegata, 90c.; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Flowering Begonias, \$1.25; Coleus, 10 kinds, 60c.; Hardy Pinks, 5 kinds, 75c.; Ageratum, Gurney, Pauline, Inimitable, white, 60c.; Alternanthera, 3 kinds, 50c.; Mme. Salleron, \$1.25; Salvia, Boufire, Splendens, 90c.

Cash or C. O. D.
BYER BROS., Chambersburg, Pa.

Asparagus Plumosus

- 2 1/4 pot \$2.00 per 100
- Pansy Plants 50c. per 100, \$2.50 per 1000
- Canna C. HENDERSON dry bulbs, \$2.00 per 100
- Geraniums 10 var.: 2 1/2 pot, \$3.00 per 100, \$25.00 per 1000

—CASH—

JOS. H. CUNNINGHAM, DELAWARE, O.

Asparagus Sprengeri

3 inch pots, \$4.00 per 100
S. G. BENJAMIN, Fishkill, N. Y.

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100 Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

LIST OF ADVERTISERS

Table listing various florists and their addresses, including Akers H. R., Allen J. K., Ambrucher J., and others.

Table listing florists in Indianapolis, including Welch Bros., Weston H., Whittell Pottery, and others.

INDEX TO STOCK ADVERTISED

Table listing various types of plants and flowers such as Abutilon, Adiantum, Aconitum, and others.

Contents

Table of contents listing sections like American Carnation Society, California Plant Notes, and others with corresponding page numbers.

Indianapolis.

News Items. Carl Soumenschildt and Miss Midge Kramer of Betermann Brothers Company are on the sick list.

St. Louis.

News Notes. The funeral of Mrs. Schray, wife of Julius E. Schray, took place Thursday afternoon, December 26.

Baltimore.

Christmas Trade. Very encouraging reports as to Christmas trade were received from all sides.

Newport, R. I.

A meeting of the Newport Horticultural Society was held at Meriden Hall on Wednesday evening, December 24.

Trade and News Notes.

Representatives of the larger city seed houses are arriving here and departing at frequent intervals.

Additional news items and advertisements, including 'The book of WATER GARDENING' by Peter Blisset.

THE FLORISTS' EXCHANGE

the end of the bulb season and the beginning of the seed sales. Another drawback to filling what orders are coming daily to hand and in hourly increasing volume is the fact that owing to the very late deliveries of seeds from growers' hands (the latest in my memory for thirty years), hardly a general order can be filled fully, hence delays are even now creeping in; and all these hold-ups added to the flood of orders that the sending out of the general retail and wholesale catalogues will very shortly bring, will tax to the limit the filling order resources of even our very largest and best equipped seed establishments. There will be an enormous seed business done in 1908, but there will also be one of the most trying and exhausting working seasons experienced in years.

All the seed shortages are now known, and in many cases the subject, or I may say limit, of price obtainable is only restrained by the bounds of conservatism—how much is it fair to charge a regular and faithful customer? Surely in such a case \$6 per bushel for Stowell's Evergreen sweet corn, \$4 per pound for Southport White Globe onion, \$4.50 per bushel for Alaska peas, etc., is about the limit of fairness to regular and faithful old-time customers! We must not "kill the goose that lays the golden egg" this season, as the time is ahead when customers who will do us the favor to buy our seeds at one-half these rates or even less, will be welcomed with open arms.

The crop of seed catalogues is being delivered fast and furious; in very much better volume than the seeds they represent. Every seedsman as he contemplates his probable returns from his lists now entrusted or very shortly to be to Uncle Sam's mail, must again realize and deplore the fact that every seed consumer in America who purchases \$1 or even less of seeds annually will receive at the very least seed books whose absolute printing cost has been surely much in advance of \$2. But this is such an old condition that I will simply refer to it and pass along.

Three sales of sweet corn have been reported to me during the past few days; all three sales were of Stowell's Evergreen. The first was at \$4, the second at \$6.50 and the third at \$9 per bushel. You can from this easily read between the lines, that late sweet corn has reached the price limit—that is, price is now simply a question of how much the holder wishes to favor his customer; and as a seedsman I earnestly advise that our customers be shown every favor that their past accounts justify as regards marking up the price of the scarce items to them. On the other hand, if the buyer can get along with a peck of sweet corn or a quarter-pound of egg plant, he (the customer) should confine himself to these limits and not try to buy seed for other than his regular uses. Of course, any dealer has an undisputed right to speculate in seeds; if so, he must expect that his grower or wholesale seed supply house will charge him accordingly.

A very Happy and Prosperous New Year I wish to all.

NEW YORK. Romer J. Irwin, who has been connected with Vaughan's Seed Store of this city as salesman since 1900, has severed his connection with that concern and has acquired an interest in the firm of H. H. Berger & Company, 70 Warren street, of which he is now vice-president.

Mr. Irwin, who is well known in the trade in this section, began his horticultural career when he was 15 years of age, first entering the employment of the late firm of Pitcher & Manda, Short Hills, N. J., in that concern's seed and bulb department. From there he went to J. M. Thornburn & Company, New York, where he remained seven years, leaving that house to accept the position in Vaughan's Seed Store which he has just resigned. We wish Mr. Irwin that success in his new venture which his well-known ability is sure to bring about. He will travel in the interests of Berger & Company, and left on Thursday for a trip on the road.

Maurice Fuld, manager of W. W. Rawson & Company, seedsmen, Boston, Mass. was in town Tuesday. Mr. Fuld informs us that his firm has inaugurated a unique and original institution in establishing at Rawson's dahlia farm at 5 Green street, Marblehead, Mass., an outdoor display

and salesroom. Here will be grown all the best outdoor garden flowers, including all the novelties from all parts of the globe as these materialize. For example, in May there will be a display of Darwin and breeder tulips; in June Asiatic irises, oriental poppies and delphiniums; in July over 100 varieties of sweet peas; August, gladioli and asters, September, about 1500 varieties of dahlias and in October hardy chrysanthemums, and Fall blooming crocuses. These displays will give all interested an opportunity of comparing the different stocks in their season, thus proving of immense service to all concerned.

European Notes.

Permit me once again, Mr. Editor, to extend to your good self and all your readers my heartiest good wishes for a thoroughly happy and prosperous New Year. The possibility of a realization of these good wishes appears much more probable to-day than at any time during the past two months. Already the clouds which have overhung the money market have begun to disperse and the salutary



Romer J. Irwin

check to wild speculation is having a beneficial effect. Ere long we may hope that public confidence will be restored once more, for in the prosperity of the nations as a whole the well being of the seed and nursery trades is assured.

Coming now to business, it is satisfactory to note that our 1907 harvest will be finished in a few days. Peppers, tomatoes and egg plants in wofully small quantities are now on the way from the south where the floods have to some extent abated. At an auction sale in Lincolnshire, England, during the present week, the growing crops of wheat, barley and oats were sold as they stand in the fields and are to be harvested as soon as possible after Christmas. In the meantime the market prices of grain are gradually weakening, and in spite of very vigorous statements to the contrary which one heard during the boom, growers are inquiring what seed crops we can give them for next season. In any case, prices will have to be higher.

The many friends of Jules Holder of Brain S. l'Anthon will regret to learn of his death in hospital after a long and painful illness, at the early age of 49 years. The death is announced of the widow of Mr. J. K. King, Coggeshall, at the age of 75. As the late Mr. King is reputed to have founded the business in 1793, he must have married a very young wife!!!

The retail seedsmen of Europe are flooding the different countries with their new season's catalogues. Those to hand from British houses are more elaborate than ever before. Possibly the abolition of secret commissions, i.e., "graft," may have something to do with this. Both Eckford and Dobbie give colored illustrations of some novelties in sweet peas. There are such great differences in the illustrations of the same varieties that our sweet pea cranks will be compelled to buy from both houses to see which is correct.

EUROPEAN SEEDS.

Sweet Peas for 1908.

I think I may fairly claim to have first originated the forecasting of coming season novelties, but at the outset it was not a very difficult task to hunt them up. Messrs. Eckford and Burpee were almost the only people laying claim to being raisers and introducers, and when I conceived the idea of letting enthusiasts know some weeks ahead of introduction what novelties were coming, the above firms actually supplied me with proof sheets of their catalogues red hot from the press.

There are a good many who write up lists of coming novelties nowadays, for all of our journals pay particular attention to sweet peas. With the hope that it may prove of service I quote a full list for 1908, together with brief descriptions and names of raisers. That pioneer of sweet pea writing, Rev. W. T. Hutchins, must indeed have this work out on to keep pace with things.

The descriptions given are chiefly the raiser's, but I have supplemented them with views of my own, in some instances.

Eckford's, Wem.

- 1 Mina Johnston, bright rose, carmine standard, salmon wings. A very brilliant flower.
- 2 H J R Digges, claret, shaded maroon, bold flower.
- 3 James Grieco, the nearest to pure yellow yet seen.
- 4 Purple King, a giant indigo purple self.
- 5 May Perrett, delicate buff ivory shade, slightly hooded.

Dobbies, Rothsay.

- 6 Princess Victoria, a glorious bright pink Spencer, a little deeper than Mrs. Harcastle Sykes.
- 7 The Marquis, an enormous rosy-mauve Spencer.
- 8 Menie Christie, a huge Spencer, magenta tinged violet.
- 9 Prince Olaf, a fine blue stripe, the best of its section.
- 10 Hannah Dole, a large rich maroon, good form.

Hursts, London.

- 11 Saint George, a much improved Evelyn Wyatt, a wonderful color, and slightly waved.

Lunley, Havant.

- 12 Constance Oliver, a duplicate of Countess Spencer save that cream takes the place of the white shadings.
- 13 Marjorie Willis, a fine bright rose Spencer, nearly like Prince of Wales in color.
- 14 Purity, an improved Dorothy Eckford. I have not seen this variety.

Machereth, Ulverston.

- 15 Devonshire Cream, a large expanded cream, an advance on Hon. Mrs. Kenyon.
- 16 Fumetta Bathurst, a giant white, an advance on Blanche Burpee, well expanded.

Stevenson, Woburn.

- 17 Rosie Adams, quite a new color, rich mauve, with coppery standard, a giant Spencer.

Starke Son, Ryburgh.

- 18 Horace Shupper, a giant deep pink Spencer, something like Olive Bolton to my mind.
- 19 Silver Wings, a beautiful white Spencer, faintly splashed with pink.
- 20 Lorna Deane, a pale pink Spencer, very near Mrs. Harcastle Sykes.
- 21 Maggie Starke, an intensified Helen Lewis, very bright; true Spencer form.
- 22 Nell Gwynne, cream and pink Spencer, something like Constance Oliver.

Sydenham, Birmingham.

- 23 Herbert Smith, orange and pink, an improved Evelyn Wyatt.
- 24 Miss Millie Braslin, a bright crimson of great size.

Cole, Northampton.

- 25 Lady Althorpe, white faintly flushed with pink at edges, true Spencer form.

H. J. Jones, Lewisham.

- 26 Aime, bluish white, larger than Dorothy Eckford.
- 27 Bob, a giant deep red with lighter wings.
- 28 Florrie Crutcher, rose pink standard, an improved Bolton's Pink.
- 29 Keston Red, a brilliant scarlet, an improved Scarlet Gem.
- 30 Mrs. E. Herbert, lilac tinted pink, slightly hooded.

Stokes Standard Seeds.

I am a MARKET GARDENER'S SEEDSMAN. Send me in your list of wants for next season. You will like my stocks and my prices. Wholesale list ready.

Stokes Seed Store.

219 Market Street, PHILADELPHIA

- 31 Mrs. P. J. Foley, clear lavender blue, an advance on Mrs. G. Higginson, Jr.
- 32 Mrs. Tom Fagg, a rich mauve Spencer.
- 33 Mrs. R. C. Pulling, pure white Spencer with red shadings, beautifully waved.
- 34 Mrs. J. Miller, clear pink self, improved Miss Willmott.
- 35 Negro, a large, very dark flower, maroon standard, blue wings.
- 36 Penneck, red standard, blue wings, very large.
- 37 Winnie Cleve, a rich mauve, form of Dorothy Eckford.

I have not seen this nor any of the above dozen.

House & Son, Bristol.

- 38 Harold, a clear primrose, akin to cream Shasta.

Suttons, Reading.

- 39 Our Queen, deep apricot and pink Spencer, a lovely variety.

Bolton, Carnforth.

- 40 Clara Curtis, a fine primrose Spencer.
- 41 Purity, a grand white Spencer.
- 42 Mrs. Henry Bell, rich apricot pink, a giant Spencer.
- 43 Beauty, a soft blush Spencer, a grand thing.
- 44 Regina, a giant Black Michael.
- 45 Blackbird, the nearest to black, good size and form.

E. Wm. King, Coggeshall.

- 46 Mrs. Wm. King, very much the same as John Ingman, said to be quite fixed.

Gilbert & Son, Dyke Bourne.

- 47 Britannia, deep navy blue slightly hooded, produces threes and fours.
- 48 Rosie Gilbert, bright crimson, Spencer.
- 49 Miss West, rosy carmine, Spencer, very large.

The above three I have not seen.

Hemus, Upton-on-Severn.

- 50 Paradise Carmine, bright rosy carmine, somewhat similar to George Herbert and John Ingman.
- 51 Paradise Ivory, deep buff Spencer.
- 52 Paradise White, similar to Etta Dyke and Purity.
- 53 Paradise Regained, light blush Spencer.
- 54 Paradise Cream, a soft cream Spencer.
- 55 Paradise Red Flake, a red flake Spencer.
- 56 Zero, pale pink Gladys Unwin, early as Mont Blanc.
- 57 Hester, wavy white, early as Mont Blanc.
- 58 Lucy Hemus, an improved Jeanie Gordon.
- 59 Evelyn Hemus, soft cream Spencer, edged pink.
- 60 White Triumph, a white form of Triumph.
- 61 Butto-hole, salmon and bronze.
- 62 Miss Rostock, color not known by me.

Breadmore, Winchester.

- 63 Etta Dyke, pure white Spencer.
- 64 Audrey Crier, a very fine bright pink Spencer.
- 65 Elsie Herbert, white edged pink, true Spencer form.
- 66 Princess Victoria, similar to Dobbies' Princess Victoria.
- 67 M. A. Linzee, a giant rosy pink Spencer.
- 68 Prince of Asturias, deep chocolate standard, purple wings, true Spencer form.
- 69 Dudley Lees, a large deep chocolate maroon.
- 70 Hilda Jeffery, an improved Jeanie Gordon.
- 71 J. T. Crier, fine lavender, strong grower.
- 72 Vera Jeffery, pale pink Spencer shaded with cream.
- 73 Mrs. C. W. Breadmore, color not known at moment of writing.

Unwin, Histon.

- 74 Chrissie Unwin, bright scarlet, wavy standard.
- 75 Miss E. F. Drayon, deep scarlet, wavy standard.
- 76 Bobby K., pale pink Spencer, improved Mrs. A. Watkins.

Morse, San Francisco, Cal.

- 77 Florence Morse Spencer, white, edged with pink, true Spencer, possibly like Elsie Herbert.

Burpee, Philadelphia, Pa.

- 78 White Spencer, similar to Etta Dyke.
- 79 Cream Spencer, similar to Clara Curtis.
- 80 Apple Blossom Spencer, possibly like Bobby K., Shropshire, Eng. T. A. WESTON.

THE CHRISTMAS TRADE OF 1907

THE reports of the past Christmas trade that have reached us, so far, are indeed most gratifying. There does not appear to have been any diminution of the volume of business transacted from that of previous years, although in the aggregate the money value of the sales made will not reach up to that of former records. Retrenchment was evidently uppermost in the minds of buyers, and medium priced goods had the call.

Our reports do not show that any novelties of any consequence were offered. There seems, too, to have been a falling away in the number of made-up arrangements of plants. The favorites were apparently Begonia Gloire de Lorraine, azaleas, primulas, bulbous stock in pans and pots, Jerusalem cherries, etc. Palms and ferns were also in requisition. There are varied views concerning the poinsettia. Some state that a limited demand for this plant was experienced; others again that it went as usual. Considerable quantities of artificial poinsettias were disposed of in some sections, and this, no doubt, militated against the outlet for the florists' product.

Green materials of all kinds went well. Holly found large sales, but much of the stock was not well berried. Mistletoe was also in demand. Christmas trees seem to have been overdone, although sales of these were large. Bells were not so extensively called for as in other years. Boxwood is becoming a factor in Christmas design work.

The cut flower business done was most satisfactory all over the country; not so high prices as formerly were realized, but the quantities of stock sold were quite extensive. There was a scarcity of carnations, particularly red kinds, in some localities, but in general the supply of cut flowers was ample for all demands. Orchids found favor in several places, especially in Toronto. Pickling does not appear to have been practiced to the extent of that seen in previous years, showing that we are progressing along some lines at least.

Taking it all in all in view of the financial stringency, the Christmas trade of 1907 may be regarded as most satisfactory.

Easter, 1908, comes on April 19.

INDIANAPOLIS. — The Christmas trade of 1907 while far from creating a new record has proved itself to be most racious with the florists in general. In comparison with other lines of trade, the flower business, though slightly less than normal, makes a wonderful showing. Holiday trade was late in asserting itself, and until December 22 it seemed that the silver lining was meant or more glorious times. A lavish expenditure by any one person was seldom noted, but the yuletide spirit was broad as its scope, and the number of deliveries, though modest in value, was large. The assertion is made that people of high standing who could not afford expensive presents, such as jewelry, turned to the florist for expressions which are eternally in good taste and most acceptable.

Baskets, hamper and mixed arrangements of plants ranging in price from \$3 to \$7.50 were sold. It is thought, in rarer numbers than last season. An article arranged in a catchy or superior manner was as readily detected by the customer as by the originator himself. Poinsettias in 4, 5 and 6-inch pots were elected by the hundreds at 50c. to \$1.50 each. Gloire de Lorraine begonias, too, were sold in large numbers, but many dealers are aware of the shortcomings of this beautiful plant. Small azaleas numerous as they were, did not meet the requirements. Take the variety lexe, for an example, and there is no other flowering plant which can be sold with the same satisfaction to the purchaser; these retailed at \$1 to \$2 each.

Grower, storeman and the public were all eager for any decided novelty, but in this many were disappointed; the writer himself was one of them, and observed less that was distinctly new than in many seasons past.

Boxwood strengthened its already firm position in the market as new adaptations for it are discovered. Wreaths, baskets, hearts and sprays of this material sold well. Michigan winterberries were of exceptional quality and found more favor than a major portion of the poor holly in this market. Carnations, as predicted, did not maintain the price intended for them; by Tuesday morning telegrams were received offering fancy stock at \$4 to \$5 a hundred. All the home-grown carnations were sold long ere this at \$5 to \$7 a hundred; \$1 to \$3 per dozen was the wide range in the retail price. Long-stemmed American Beauty, strangely enough, sold ahead of last season; \$18 to \$24 per dozen was obtained for them, those selling at \$6 to \$12 were not of good stem nor quality. Killarney was in excellent condition and went more readily than Bridesmaid at a less figure. Richmond sold well, as it is possible to sell this rose cheaper than Liberty in their years; \$4 to \$9 a dozen was the price.

Violets, single and double, found a constant demand at \$3 to \$4 per hundred; Eastern violets were on hand, but of satisfactory at 75c. to \$1.25 per hundred. Lily of the valley, Roman hyacinths, Paper White narcissus and jonquils received much attention at 75c. to \$1 a dozen.

Cut poinsettias were used more generally than ever before; the artificial product is almost as common as the real in downtown shop windows; \$3 to \$9 a dozen was asked for the florists' product.

Numerous social functions will, no doubt, result in a good business, particularly in smaller flowers for corsages.

RUFALEA, N. Y.—Christmas trade this year was good; while the sales were smaller, the grand total averaged about the same as the year previous. There were more sales running from \$2 to \$5 than ever before. Holly ran short in this vicinity for the first time in years, that is, the florists had a short supply, but it seems that the corner grocer had enough to meet the demands of his customers, selling it at 10c. per pound, which was less than the florist could buy it for at wholesale. Ardisias, heaths, poinsettias in pans, Adiantum Parleyense in five and six-inch pots had good sales.

S. A. Anderson reports that his business was very good, up to the standard of last year in every way, with the exception that the sales were of smaller amount, but more of them than in previous years. He had a great showing of Gloire de Lorraine begonia, also poinsettias and a general stock of Christmas plants, which he disposed of readily. This firm is one of the few who will take a flyer by inserting a full page advertisement in the local papers. W. J. Palmer & Son's branch store at 522 Main street, under the management of Arthur Beyers, had a fine line of made-up baskets, which were displayed to good advantage in the spacious windows. He reports a number of decorations Christmas week. Rachel Rehstock had a very good showing in plants, and a very attractive store decoration. She reports business especially good in violets, roses and the general run of Christmas plants and novelties far in excess of last year. L. H. Neubeck, who always has a very attractive display of plants in his houses, reports business away ahead of last year's. The Wm. Scott Company report business fine. They had a very large sale of potted plants of all kinds. Violets and roses also went well. Carnations from their own place at Corfu found a very ready sale.

W. J. Palmer of 304 Main street reports business very satisfactory, more sales than in previous years, but not as many large ones. As one man said, he had about \$2 to spend for a Christmas present, and he thought about the most appropriate gift he could purchase would be a bunch of violets, and so on. This firm had the biggest lot of from \$2 to \$5 sales it ever had. Violets went well; good Liberty, Bridesmaid and Killarney roses at \$5 per dozen found a very ready sale. Lily of the valley, gardenias and orchids also had a good call.

Schoenhut says trade was exceedingly good in his section. He also had more small sales than in former years, but totaled up a good Christmas business.

The Ever Ready Flower Pot Cover Company did exceedingly well this season; they are selling their covers all over the country.

ROCHESTER, N. Y.—Now that the Christmas season is over, we are breathing normally again, the only anxiety being about the result of receipts and expenses after all is straightened up. Judging from the cut flowers and plants disposed of, and comparing same with former years, the business done would seem to be equal to that of last year. Noticeable, though, was the absence of orders for large baskets and made-up plants, patrons apparently confining themselves to orders of smaller amounts.

Holly this year was very poor and brown, making sales of it very difficult, and wreaths hard to make presentable. Some good holly was to be had, but the

prices, a per crate, seemed probably to have been both sprays and ropes. The ground pine were in good shape and considerable was disposed of. Poinsettias and Gloire de Lorraine and kindred begonias seem to have had the lead in plants, and these and cut stock, both as made-up and single plants. Cyclamen, Roman hyacinths, Primula obconica, lilies, palms, ferns, etc. all had their quota of buyers, and all the stores having delivery wagons, sent out late Wednesday afternoon.

The weather was better than expected the days and nights just preceding being moderately cold, and but few snow plants have been received about frozen plants. Cut flowers from local growers were not plentiful, owing to so much dark weather preceding the holiday, necessitating the ordering of considerable material from outside places. Particularly was this so in roses, the supply of which was short. All kinds of flowers were in good demand, and none were left to go to waste. Prices realized were equal to those of former years, both of cut material and plants, and all feel that but for the financial thrury the recent holiday would have been exceptionally good.

Much regret was occasioned by the behavior of Salvia Zurich. This plant, so full of promise on account of its color and mass of blooms, was not sent out by local growers, they preferring to lose the sale rather than dispose of a plant with poor keeping qualities. No amount of treatment seemed to help it in any way to hold its blooms, so we are doomed to disappointment unless future developments can show a more successful way to treat this plant.

Pretty and novel designs in plants were made possible by the use of "Hart's Handy Handle," its simplicity and adaptability making it in good demand.

Azaleas were scarce, several growers being unable to get enough for their own use. This, of course, helped the sale of other flowering plants, but is to be considered a loss from a grower's point of view. However, with the advent of the New Year and the days growing longer, coupled with the fact of the business depression passing away, a new lease of business activity is expected, so that all in all we are thankful for what we have, and hope to be.

Best wishes for a prosperous and healthy New Year to all from

COCKNEY.

SYRACUSE, N. Y.—It is generally agreed among the trade that the Christmas business done was about normal; all are satisfied, however. There was not so heavy a call for expensive articles as usual. There was far less holly and greens and fewer Christmas trees sold than in former years. Wreath peddlers had hard work to dispose of their stock even at 20c. each for a very fair article.

In cut flowers carnations had the call by a very large margin and sold readily at \$1, \$1.50 and \$2 per dozen; Bride, Bridesmaid, Richmond roses at from \$1.50 to \$3; American Beauty \$5 to \$12; lily of the valley and Roman hyacinthus at \$1, violets, \$2.50 to \$3.

There were no novelties to speak of. Quinlan had pretty baskets of Begonia Gloire de Lorraine and ferns, which sold well. Henry Morris made a good showing of Roman hyacinths and poinsettias. But was strong on primulas, Jerusalem cherries and ferns. Batholome had a nice cut of carnations, but his roses were not in crop, owing to the lateness of completing his houses.

L. E. Marquisee had an immense crop of carnations and sold out completely. Flamingo was a sight and fetched \$2 as did a splendid crimson seedling. Marchioness was a sea of white; it will well repay a visit from anyone who is interested in something that is really good. Some of his other seedlings are of great promise of which I shall speak later on. I am pleased to say Mr. Marquisee has completely recovered from his accident and looks all the better for his enforced rest.

Alfred Bellamy, who has charge of the greenhouses at Oakwood Cemetery, has been dangerously ill with blood poisoning caused by a scratch on the face from a large Pandanus ulmi. The doctors hope the crisis has passed.

Harry Chum, for many years with L. E. Marquisee, and well known to the trade, who has taken up his residence in England, has recovered from his painful accident and is now engaged in growing carnations near Warwick close to his old home.

PIFFESBERG, Christmas trade in all lines of business was not up to the level of last year, and so it was with the dealers, with but few exceptions. A better crop could hardly be expected, considering the tight and many people are out of pocket, and everyone ordered enough stock, expecting that at the last moment the crop might turn out all right. The weather was not so bad and quite a change for the time the day before. There was no scarcity of stock in the wholesale and

retail trade, particularly in the case of the quality of the stock. The demand for flowers was not so great as in former years, but the trade of about a million dollars for the holidays was not far from the mark. For the cheap grades and American Beauty from \$1 to \$2. The demand for the latter rose was not so great, and it is felt the flowers were not so good for some years back. Carnations were fine at from \$6 to \$19 per dozen retail. Carnations were expected to be scarce, but the day after, nearly every kind and were offered at dumping prices, but were not wanted. The best brought 10c. and from that down to 3c. per 100 for good stock, retailing at from \$1.75 to \$2 per dozen. Cut poinsettias sold fairly well at \$6 per dozen and the stock was unusually fine, keeping well. Paper White narcissus, lily of the valley and Roman hyacinths were not plentiful and from 75c. to \$1 were asked for them at retail. Violets were of excellent quality, \$2 per 100 was asked wholesale, and there was a good demand for them. Single violets at 10c. that price went very slowly. Sweet peas were not plentiful and sold at good prices. A few chrysanthemums were on hand but with little demand for them. Mignonette was fine at \$2 per dozen retail.

Plants did not sell as well as was expected. Azaleas were hardly far enough in bloom. Cyclamen were poor. Tulips in pots went well, also blooming primulas. Poinsettias made up in pans went slowly. Orange trees, of which there were more to be seen this year than ever before, went very slowly and a good lot of money was lost on them. Begonia Gloire de Lorraine was not so abundant and did not bring big prices.

In greens, trees were left over, selling at any price. Holly went best of all, and the market was cleaned up early. As high as \$19 per case was asked for it. Mistletoe was of an excellent grade and went fairly well. Laurel and pine wreathings were abundant. Southern smilax was more extensively used than heretofore. Boxwood is coming into more general use than ever for wreathings and other work; there was a good stock of it on hand, but all was disposed of at from 12 1/2c. to 25c. per pound.

E. C. R.

CINCINNATI. — Christmas business was all and more than was expected. Stock was not salted, consequently all sold and gave satisfaction. Poinsettias were very plentiful and quite a number were carried over, but there will be very little loss, as they will all be cleaned up before New Year's. Prices as quoted were maintained. Enechantress carnations that were fancy sold at \$10 per 100; other grades and qualities all went at 5c., 6c. and 8c.

Plants sold well. Poinsettias in pots, grown low and compact, sold best, Gloire de Lorraine begonia being a close second. Primulas went well as did pandanus. J. A. Peterson sold out and his stock of plants was second to none. Since Christmas stock has remained scarce, New Year's prices nearly equal those of Christmas and the demand will equal the supply.

The Republican Administration takes hold of the city on January 1, 1908, when all departments of the city hall will be profusely decorated. A miniature viaduct supposed to connect Walnut Hills with the city proper will be made by the Walnut Hills Floral Bazaar to be placed in the room of the Board of Public Service. Julius Baer had two autos and about 50 boys delivering on Monday, Tuesday and Wednesday; his business was simply immense. A Sanderbruch's Sons also did a large business. Hardesty, Partridge, Kelly, Walnut Hills Floral Bazaar and Fred Gear had a fine trade. George Tromeay, who had just opened a new store, did well. Huntsman & Company and J. O'Malley were very busy. J. T. Conger of Cartwell, O., says his trade was splendid.

Holly sold out to the last scrap, the price reaching \$7.50 per crate. Mistletoe never was better and never before sold better. Laurel wreathings went well. Artificial poinsettias made quite a hit and sold on sight, but like the holly, they will be overdone another year. Bells could be bought at your own price this year and many were left on hand.

E. G. G.

BOSTON. The Christmas trade was good and all the business that was expected to be done was done, and in many cases much more than anticipated. All kinds of flowers sold well. Trade generally has been good since. Prices have dropped none, though, as had been expected, still they are comparatively high. The best American Beauty roses still bring \$9, Richmond \$4 per dozen, other roses vary in price; Bride and Bridesmaid are selling at from \$3 up to \$15, carnations still sell well, the best grade yet bringing \$7 and \$8. Violets go more slowly than they have.

Lily of the valley sells fairly well. Lilies bring \$8 and \$12; mignonette \$2 to \$6; while some extra fancy grades bring more. Sweet peas sell at \$3 and \$1.50. Narcissus are plentiful at \$1 and \$1.50. Greens sell fairly well at the usual prices.

J. W. D.

FOUNDED IN 1898



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Seedsmen and the Trade in General

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for Classified Advertisements.

To the Members of the S. A. F. O. H.

Greeting: On the opening of this new year, I de-
sire on taking over the office of President of our na-
tional society to extend to you my heartiest good
wishes for a prosperous and successful year, both
as regards our individual interests and those of the
organization the welfare and advancement of which
we all have so much at heart. No man ever entered
on the duties of the presidency of the S. A. F. O. H.

more conscious of the great responsibilities resting
upon him than I do. To maintain the standard of
efficiency to which the organization has been brought
by my able predecessors, is a task which even those
most experienced in the work of the society must
regard as a formidable one. But as the old saying
has it, "The best of men are but men at best," I
assume the leadership to which your suffrage elected
me, promising you my very best endeavor to fulfill
as far as I faithfully and possibly can, the trust
which you, my fellow members, have reposed in me.

But in order that the society shall measure up to
its highest efficiency during the year 1908, I must
have and expect to obtain, the fullest co-operation of
all the members. I therefore urge the State vice-
presidents to do their very best in securing new
members in their respective localities, to spread
abroad therein propaganda concerning the organiza-
tion, its benefits, its usefulness, and how deserving
of encouragement and support it is by every man
and woman engaged in the lines of industry we are
banded together to promote and advance.

Of the various committees appointed by my pre-
decessor in office, I earnestly desire, as I feel sure of
obtaining, the faithful and full performance of the
respective duties which have been assigned to them,
as on the result of their endeavors very much of
the progress of our association depends. I also hope
that every member, individually, will act well his
or her part in the furtherance of the work of the
S. A. F. O. H. "One for all, and all for one," should
be the motto impelling each of us in our every
effort along the lines of society work.

I wish to call particular attention to the forth-
coming flower show to be held under the society's
auspices at Chicago, Ill., in the Fall of this year.
The committees appointed to carry out the details
of this our first undertaking in this line are now
hard at work, and I bespeak for them the best
assistance of all the members, looking to the ulti-
mate success that is hoped for in our stupendous
venture.

I would briefly refer to the great loss which our
organization has sustained by the sad death of our
secretary, Philip J. Hauswirth. The work of the
secretary's office is being looked after temporarily
by Willis N. Rudd, Morgan Park, Ill., whose well-
known ability ensures the utmost efficiency in every-
thing connected with that office.

The preparation of the annual report for 1907
is being rapidly pushed to a conclusion, and the
publication and distribution of the document will
be accomplished with as little delay as possible.

Again assuring you of the "best that is in me,"
in the conduct of the society's affairs during 1908,
and looking for, and expecting the cordial and
heartly support of you all,

I am,

Yours fraternally,

F. H. TRAENDLY,

President S. A. F. O. H.

The New S. A. F. O. H. Directors.

President Frank H. Traendly of the S. A. F. O. H.
has appointed as directors of the society Messrs. John
Young, New York, and George Asmus, Chicago, Ill.

Mr. Young is well known in the trade and needs no
introduction to our readers. He is the secretary of the
New York Florists' Club, and has served the organiza-
tion in that capacity continuously for nearly twenty
years, a grand testimonial to his efficiency and ability.
Mr. Young conducts a wholesale cut flower commission
business at 51 West Twenty-eighth street, New York,
where he has been established for a number of years.
He is very popular with the trade, and will, we feel

sure, make an excellent director of the national society.

George Asmus is in charge of Schiller's retail florist
store in Chicago. He is an active and energetic worker
in the interests of horticulture in the western city, and
has shown great ability as a flower show manager. He
puts his whole heart into every undertaking with which
he is connected, and it goes without saying that this
same spirit will characterize his work in connection with
the office to which he has been appointed. Before going
to Chicago, Mr. Asmus lived in Buffalo.

American Carnation Society.

Railroad Rates to Washington Meeting.

The rate of a fare and one third has been again
secured for the annual meeting of this society, to be
held in Washington, D. C., January 28, 29 and 30,
1907.

This is on the certificate plan. All you have to do is
to be on hand about fifteen or twenty minutes before
your train is due; ask the agent for a certificate for the
meeting of the American Carnation Society; pay full
fare going and you can then return for one-third of a
full fare.

As the two cent rate is in effect in quite a num-
ber of States, this will make a very cheap rate for this
meeting, and no carnation grower who consults his own
interests can afford to miss it.

Premium lists have been mailed to all of the mem-
bers; any one who wishes a copy can obtain same by
applying to the secretary.

LANCASTER, Pa.

ALBERT M. HERR,
Secretary.

The average American citizen firmly believes that he
could be an editor. Of course, any man or woman, in
his or her own mind, could conduct his or her favorite
newspaper (or trade paper) a great deal better than the
people who devote their entire time and give all their
experience to the task. All that is necessary is—well
to edit! Don't you see?—Julius Chambers in Brooklyn,
Eagle.

Mr. Chambers is right. Nevertheless, we for our
part always welcome correction or criticism. If you
have views different from those appearing in our
columns, whether on matters of cultural treat-
ment or otherwise, which your experience or knowl-
edge convinces you are more correct than those
stated, don't hesitate to send them to us for publica-
tion. It is only right that the soundest informa-
tion on any and every subject be promulgated. Even
if some item you read causes you to write in your
haste what you would be ashamed to father a
your leisure, send it in; we enjoy such, and may
 glean some helpful hint from the wrathful produc-
tion. Don't be, as some are, who have more leisure
time at their disposal than usual, too hypercritical
or puerile, however, and get irritable over some
manifest and unimportant typographical error the
has escaped our vigilant eye. All such are usually
detected by us—later—and therefore your energy
along that line is wasted and nobody is benefited
thereby. Above all do we appreciate calm, well
considered constructive suggestions, the adoption of
which will be mutually beneficial to our readers
and ourselves. Tell us, in your own way, how you
would do things for the general good were you in
our place.



Frank H. Traendly
President S. A. F. O. H.



George Asmus
Director S. A. F. O. H.



John Young
Director S. A. F. O. H.

Obituary

Alfred Plant.

Alfred Plant, president of the Plant Seed Company, St. Louis, Mo., died on December 28, 1907, at his home in Webster Groves, after an illness of eight months. The funeral was held on Tuesday morning, December 31, interment in Bellefontaine Cemetery.

Mr. Plant was 87 years of age. He was born in Lancaster, Mass., and attended Yale University from 1843 to 1847. In 1856 he entered the employ of Plant Brothers, seed merchants, subsequently becoming head of the firm. He was well known by the local trade who extend their sympathy to those who are left to mourn his loss.

Everett B. Clark.

Everett B. Clark, president of the Everett B. Clark Seed Company, Milford, Conn., died on December 23, at Darlington, S. C., after an illness of four hours. He had gone South on a hunting trip.

Mr. Clark was born in the town of Orange, Conn., 61 years ago. On returning from the Civil War he took up the growing of seeds as a business, and had continued in it ever since, confining himself strictly to the wholesale trade.

The firm, at which he was at the head, has now about 100 acres in cultivation, growing most of the staples for which New England is noted, its specialty being sweet corn, in which line the products are famed the country over. He was considered one of the most successful of American seed growers, and his stocks were noted for their high standard of excellence.

Mr. Clark had been connected with the American Seed Trade Association since its inception, and was elected its president in 1898. He was a man of sound judgment, calm and deliberate in all his actions and possessed of a great deal of executive ability. His sons, who have had active charge of the business in recent years, will continue it along former lines.

Reuben H. Warder.

Reuben H. Warder, superintendent of Lincoln Park and secretary of the Park Board, Chicago, died on Thursday evening, December 26, 1907, in his apartments at 50 St. James place, in that city. Mr. Warder had been ill for the last eight months, but performed the duties of his office until Tuesday, when he was compelled to take to his bed.

He went to Chicago to accept the position in the park in June, 1901. He had filled a similar position in the parks of Cincinnati, O., where he was born sixty-four years ago. He was a son of Dr. John A. Warder, a noted horticulturist, who published "Warder's Hedges and Evergreens." Mr. Warder studied landscape gardening under his father, and traveled a good deal, investigating horticultural experiments. After his appointment he did much to improve the appearance of Lincoln Park, which was extended from its original size of three hundred acres to the six hundred-acre tract it now occupies. He also developed the driveway along the lake shore into the magnificent thoroughfare it now is.

Deceased was a skilled horticulturist, and the value of his services to the people of Chicago, who receive from him an inheritance of beauty, will be dearly prized for many a year.

Mr. Warder is survived by a brother, John H. Warder, secretary of the Western Society of Engineers, and one sister. The body was taken to Cincinnati for interment in Spring Grove Cemetery.

Frank W. Sempers.

Frank W. Sempers died at Baltimore, Md., December 15, 1907. He was a son of the late Dr. Charles T. Sempers, of Philadelphia, Pa., and was born 51 years ago at North East, Md. His educational opportunities were early interrupted, due to disabilities incurred by his father in the Civil War. Though forced by circumstances into a mercantile calling at a time when the average boy is going to school his spare time and energies were assiduously occupied in following the scientific instincts which ultimately resulted in his becoming a chemist by profession.

He was also greatly interested in horticultural work and was the author of a number of publications dealing with the chemical and other aspects of the subject, particularly a work on fertilizers, written while in the employ of W. Atlee Burpee & Co., Philadelphia. He subsequently established at Blythedale, Md., the first commercial seed laboratory in this country, with an annual capacity of 25,000 continuous tests. His death, the result of excessive overwork, was directly due to progressive paralysis, which followed a complete collapse five years ago. Mr. Sempers was unmarried.



The Late John Clark, His Father, Wife and Children
From a Photograph taken in 1901.

John Clark.

John Clark is gone and we can hardly realize that the kind and jovial man, whom all he came in touch with liked so well, is no more. It was a dreadful calamity that carried off Mr. Clark, his wife and three children, early Friday morning of last week, when their home at Watertown, Mass., was destroyed by fire.

The fire started evidently by the explosion or upsetting of a lamp which was kept burning in the hallway. From the position in which the bodies were found it is certain that the father made a heroic effort to save the lives of the two sleeping boys, who were in an adjoining room, he having evidently dashed through the flames, coming up the open stairway. He had one boy in each hand when he succumbed to the dense smoke



The Late Everett B. Clark

and flame. His mother and the two girls were in the front of the house, the parents of the boys were in the rear of the house, and the father made a heroic effort to reach the stairway, but he was unable to do so, and perished with the boys.

The lower part of the house, which had been burned, was not burned to the same extent as the upper part.

His brothers and father went to Boston, U. S., and found that everything had been done as kindly as possible and friends that could be done.

Mr. Clark was born at Edinburgh, Scotland, October 10, 1863. After leaving school he served an apprenticeship of a few years with Messrs. Sang & Sons, seedsmen, Kirkcaldy. Coming to the United States when about 18 years old he was employed for a short time with Peter Henderson & Company, New York. Leaving there he went to Washington, D. C., engaging in business with his brother, William S. Clark. He did not seem to fancy the florist business and returned to Peter Henderson & Company, from there he went about 12 years ago, to Messrs. Joseph Brock & Sons of Boston, Mass. He also served a short time with Mr. Thos. J. Grey and W. W. Rawson & Company. When the latter firm was burned out over a year ago he threw in his lot with the H. A. Fiske Seed Company, Boston, Mass., with whom he was employed at the time of his death.

He married, 12 years ago, Fanny E. Howser of Washington, D. C., who with their children, John, Jr., aged 11; Philip, aged 7; and Doris, aged 4, all perished on the night of December 26.

Mr. Clark was well known among all the gardeners and florists in Boston. He was of a kindly disposition and a genuine home lover. He was a Free Mason, a member of the Royal Arcanum, of the Gardeners and Florists' Club and the Massachusetts Horticultural Society. His father, John F. Clark, is known to all who visit the Botanic Gardens at Washington; two brothers, George D. and James, are with Henry A. Breeer, Philadelphia, the former in the seed store, the latter at the Riverton establishment. Another brother, William S., is a florist in Washington, D. C., and one also lives in Scotland. The funeral on Sunday afternoon, December 29, which was largely attended by members of the horticultural trades, was indeed a sad occasion. The services though brief were impressive. There were many fine floral tributes, notable among which was a very handsome design from the allied seed trades of Boston, another from the Boston Co-operative Flower Market, and the regular emblem from the Gardeners and Florists' Club. The interment was in Ridge Lawn Cemetery, Watertown, Mass.

The father, the brothers, and their families, desire to express to the many friends of the deceased their deep appreciation of many expressions of sympathy and acts of kindness of which they have been the recipients since the tragedy.

Francis Quinlan.

Francis Quinlan of the firm of Quinlan Brothers, florists, 11 Summer street, and one of the best known citizens of Lynn, Mass., died at his home, 76 Johnson street, on Saturday, December 28, 1907, of Bright's disease, after a lingering illness. Mr. Quinlan had been ailing for two or three years, but it was only a few months ago that he was obliged to take to his bed. He fought death bravely, but the ravages of the disease were such that his fight was a losing one, and he finally succumbed, surrounded by members of his family.

Mr. Quinlan was Past President of the localerie, and at one time was an organizer for the Eagles, and in this capacity gained a large circle of acquaintances all over the country. He is survived by his mother, three sisters and two brothers.

Francis Quinlan was born in Charlestown, Mass., in 1859. He attended the public schools and graduated from the Prescott Grammar School in 1879. He then started to work for E. & J. Bowditch, civil engineers of Boston. At that time he had charge of the landscape gardening department of that firm and laid out the grounds of some of the largest estates in the country. Among them were the estate of T. W. Pierce of Topsfield, Mass., and the Vanderbilt and Galet residences in Newport. About 20 years ago Mr. Quinlan started in business for himself in Salem and one year later he moved to Lynn. He also had a store in Charlestown and large greenhouses in East Medford.

Mr. Quinlan was a prominent club man and former president of the Everett Club. He was also Past Exalted Ruler of the Lynn Lodge of Elks, a member of Peter Woodland Lodge of K. of P., the Nanepashemet Tribe of Red Men, former Chairman of the House Committee of the Aher Ego Club, Allan Dale, F. A. M., Boston Florists and Gardeners' Club, and was one of the charter members of the defunct Lynn Press Club. In addition to his large florist business he was a dealer in real estate. About five years ago he purchased a large tract of land on Orient street, in Swampscott.

In 1903, Mr. Quinlan was appointed State Deputy Grand President for Massachusetts of the Fraternal Order of Eagles by Grand President Congressman Timothy D. Sullivan, of New York.

AMONG THE GROWERS

Carrillo & Baldwin, Secaucus, N. J.

The firm of Carrillo & Baldwin, orchid collectors, growers, and importers, of Secaucus, N. J., through George E. Baldwin, who is generally to be found at their establishment, express entire satisfaction with the amount of business done by the concern during 1907. Over 600 cases of orchids were imported during the year, all the plants in unusually fine shape. Among the contracts completed during the season was one for stock to fill three large greenhouses at the establishment of Kromitsch & Junge, in Secaucus, N. J., as described in a recent issue of this paper.

The Carrillo & Baldwin establishment embraces eight large houses, some of them at this time well in crop, and contributing largely to the supply of cut flowers for the New York market. A house filled with plants established just 18 months is an object lesson for anyone about to enter the orchid growing business. The plants were all imported stock as it arrived from the collectors.

Mr. Baldwin is always ready to impart his knowledge to visitors, and his advice to beginners is particularly practical. A brief conversation with him a few days ago on the subject of "How to Commence Orchid Culture" is deserving of record. He said: "Almost any style of greenhouse will answer for orchids. It is not necessary that a house be of a special construction, nor have special heating facilities, a service which will give a temperature of not less than 55 degrees at all times being all that is required.

"The selection of varieties from a cut flower stand-

are two methods of starting; one is to procure newly imported stock; the other to get wholly established plants. Of course, where expense is an object and a beginner is willing to give the attention required by the stock the newly imported plants are all right. But where he wishes to enter the business with the least possible risk, and when expense is not so much to be considered as speedy returns, he should begin with the wholly established stock. Cases are on record where by following the latter course it has been possible to get a crop during the first season, which has in a large measure reimbursed the grower for the first outlay.

"On receipt of the stock in wholly established form all that is necessary is to fill up the benches assigned to it and grow it along. With semi-established or newly imported stock, which comes in cases just as imported from the tropics, the first step is to lay out the plants in a shady place in a greenhouse where it is not possible for the sun to strike it. See that it lies loosely on the ground. Under the benches is as good as anywhere. In this way the plants get moisture from the ground and soon assume a green and healthy appearance; the bulbs start to plump up and lose their shriveled appearance, which latter is due to their being in the cases during transit for so long a period. When in good growing shape they may be potted, the sizes of pots running according to the sizes of the plants, seldom larger than 8-inch and averaging 5½- and 6-inch. The smaller the pot used the better.

"Opinions differ as to the best material to be used for potting, but generally it may be said that osmunda fiber, which may be obtained from any orchid firm, is as good as anything. Fill the pot a quarter to one-third full of crocks for drainage, and then pack with the fiber

florets; now they have gone back to those with the incurved florets. It is not the perfect, well-finished exhibition blooms that are wanted, but those of moderate size, with the florets not so closely packed. Buttercup as grown for market is very pretty. Eudlome Poitevine is another good yellow, also Madame Rivoire. In whites Mrs. Judson was well shown, and this is the best incurved white we see in the market. The crimson incurves do not take so well, as it is only the bronze reverse that is seen. Violet Lady Beaumont is most appreciated as a late crimson. Guy Hamilton secured first prizes in two classes; owing to the long loose floret it is bad for packing and some growers do not like it, yet when properly handled it is a good thing. There is no better yellow than Nagoya. H. J. Jones showed a good yellow sport from Western King which should prove useful. Madame R. Oberthur was one of the finest Japanese whites shown. Tuxedo is still a favorite bronze. Lord Brooke is a better variety, but it is not all growers who succeed with it. In pinks Framfield Pink and A. J. Balfour were the best. Golden Age was one of the best deep yellows.

I find that most market growers like to try new sorts, yet it is remarkable that varieties which were grown over thirty years ago still hold their own. Some of the old incurves are being revived, and W. H. Lincoln, which was grown nearly forty years ago, still remains a favorite. Some of the best pot plants seen in the market have been of this variety. Niveus has been one of the best whites for pots; Guy Hamilton has also been good. Lord Brooke is one of the best bronzes for cutting, but it does not make quite such a good pot plant as many other varieties do.

The show of market varieties was far more instruc-



Treatment of Cattleyas on arrival from Tropics



Cattleya Trianae

Orchids at the Establishment of Carrillo & Baldwin, Secaucus, N. J.

point is, of course, important. The prime requisite is a stock which will give a plentiful supply of flowers at all seasons, consequently cattleyas are the most favored. A selection may be made from the different varieties to give a regular succession throughout the year. December practically marks the beginning of the cattleya year. Cattleya Trianae is in bloom from December 1 to February 1. Then may follow *C. Schroderae*, which comes into crop in February, and continues until after Easter, and is the only cattleya available during the Easter holidays. *C. Mendeli* follows, with *C. Mossiae*, which varieties are in crop until about June 1, and are succeeded by *C. Gaskelliana*, which is in cut until August, with *C. zigas*, which flowers during the same period. *C. Dowiana* follows with *C. labiata* and *Penduliana*, thus bringing the flowering period along until *C. Trianae* comes in again.

"These varieties of cattleyas represent the recognized commercial class for cut flowers. In addition may be selected *C. Warneri*, which is a magnificent orchid, flowering in early Spring. It is not a variety commonly met with in commercial establishments, because of its slightly increased cost, due to its scarcity; but where one is able to get stock there is ample repayment accruing from the great profusion of the variety, and its color, which is similar to that of *C. labiata*, and is not rivaled in any other cattleya flowering in its season. *C. Harrisoniae* is another orchid which is excellent for flowering during the season May to July. It bears a very compact flower, and runs seven to twelve blooms to the spike.

"After making a selection the beginner should take careful steps to secure his stock. There

until it is quite firm in body. This is very important, as when loosely packed the plants are not likely to thrive, due to too great aeration. The roots may be trimmed a little, but be careful to leave sufficient to allow of plants being firmly held in the pots; pack them tightly into the fiber. To start growth give them a daily overhead syringing twice a day, when new roots will soon begin to appear at the bases of the bulbs. They will not at first need much water in the pot, but after the roots have well started they may be given liberal watering two to three times a week. They like water, but care, of course, must be exercised that they do not get too much. Their appearance will generally betoken an excess of water. When the flowering sheaths form very little overhead syringing need be done, as it is apt to rot the sheaths.

"Great latitude is possible in the cutting of the flowers; they are not harmed if allowed to stay on the plants two or three weeks after they are ready to cut."

Our London Letter.

BY A. HEMSLEY.

CHRYSANTHEMUMS.—We have now finished with the chrysanthemum shows for the season. The market show held on December 11, though not quite as good as some we have seen, was instructive. One feature was the number of incurved varieties shown by the market growers. A few years ago all our florists favored the Japanese varieties with the long drooping

flowers than the ordinary chrysanthemum exhibitions, and a great feature was that the exhibits included a good many of the varieties which for competition are grown to a great size with one or two blooms on a plant, while for market they must have from at least 6 to 12 blooms to be profitable.

THE WINTER-FLOWERING CARNATION SOCIETY'S show which was held at the Royal Botanic Society's gardens on the same date, December 11, attracted a large number of trade growers and was in every way a great success. There were few special novelties. Some of the newer American varieties were awarded certificates of merit. Of these Beacon, Melody, Aristocrat, Rose Pink Enchantress and Winsor gained the distinction. Taking the varieties in special colors White Perfection was a long way ahead in the class for white; Britannia took first place in scarlet, Robert Craig being a good second. For blush pink Enchantress was the variety which gained first, second and third prizes. Melody was shown in this class, but failed. In crimson it would be difficult to say which was really the best, for honors were divided, Harlowarden, Governor Roosevelt, President and Harry Penn being of almost equal quality. For deep pink or cerise, Mrs. T. W. Lawson came first in one class and Aristocrat in another. Helen Gould secured first honors in one class for a fancy variety. Mrs. H. Burnett was well shown by several exhibitors and an English grower beat the raiser who comes from Guernsey. It was known that there would be several growers from the Channel Islands, and some English growers were afraid to compete against them, but take the show all through those English growers who did show held their own very well.

LEGAL

A Cold Storage Case.

Julius Roehrs' Exotic Nurseries, Rutherford, N. J., will celebrate the present holiday season with a check for over five thousand dollars, recovered through its attorneys, Hatch & Clute, of 100 Broadway, New York, in a lawsuit which involved points of great importance to florists and cold storage men.

The decision in favor of Mr. Roehrs has just been



Towell's Seedling Crimson Carnation
Number 28

unanimously affirmed on appeal by the Appellate Division of the Supreme Court in New York, and the substantial sum of money turned over by the storage house to make good the loss caused by the sprouting of lily of the valley pips.

It appears, from the record on the appeal in the case, that in the Winter of 1903-04, Mr. Roehrs received about a million lily of the valley pips from well-known German florists. He used about half of the pips in question, at his nurseries in Rutherford, N. J., during the Winter of 1903, and about the middle of March, 1904, he stored the remaining half million pips with the Manhattan Cold Storage Company, New York. The following Summer Mr. Roehrs discovered that the pips, while in the storage warehouse, had sprouted and were growing. He immediately caused an investigation to be made by his lawyers, who represent a number of

local florists and who have given special attention to the legal rights of the trade in the matter of the very heavy losses which have been sustained through the careless storage of goods. As a result of this investigation the demand was made upon the storage company to reimburse Mr. Roehrs for the loss of the pips, and this demand brought about a test of the respective right of the florist and the storage house, under the circumstances disclosed.

It was claimed, on behalf of the storage company that its legal obligation was not to "preserve the goods," in the absence of a special agreement for a specific temperature, and that, as Mr. Roehrs could not establish what occurred in the storage warehouse, he could not recover. It was also claimed that the condition of the goods at the time they were received from Europe as well as their condition at the time they were stored was in doubt, because not all of the boxes were examined at Mr. Roehrs' place.

So important were these points to the trade generally that Mr. Roehrs determined to fight the case to the end, and on the trial many well-known florists and growers of lily of the valley testified as witnesses. Mr. Roehrs' attorneys succeeded in getting before the jury the temperature records of the storage company, which contained some damaging evidence in the way of temperature rises, which experts said were too high to preserve the bulbs. It was also shown that the goods of several other dealers stored there during the same period were found to have sprouted.

Expert storage men were brought from Philadelphia and other cities, who testified that the storage plant of the defendant was constructed according to the most modern plans and was equipped with proved refrigerating machinery; but there was strong substantial evidence offered to establish some special carelessness and oversight on the part of the storage company, during the Spring of the year in question. A sufficient rise in temperature was indicated to start the bulbs from their dormant state, and it was proved by the testimony of experts, that when once the pips had sprouted their growth could not be stopped or retarded without destroying them. This evidence convinced the jury, which decided in favor of Mr. Roehrs, and they brought in a verdict for the full value of the goods. The court ruled against the storage company, on the point which was made by its lawyers, that all of the boxes of the goods should have been opened and examined by the florist before the goods were placed in storage. The court sustained the contention that only a reasonable examination, in ordinary course of business, is necessary.

It is needless to say that the defendant storage company, and other companies in the same line, will take special notice of this case, in the future conduct of their business, and it is also apparent that the decision will attract much attention from florists, who cannot fail to benefit largely by the protection which this decision affords them.

American Rose Society.

The commendations received by the secretary of the American Rose Society from the life members of the organization who have received their certificates, show that these very handsome parchments are highly appreciated.

The Chicago Rose Society, an American Rose Society will open on Wednesday, January 1, 1908, that is, the 25th day of March and will give prizes. The Chicago Florists' Club will also give prizes, all to be held at Marshall Field's on the 4th day of January.

The Rose Society has announced the following schedule of prizes. In Division 1, 1st prize, prizes are thrown open for support from all America that has a good word or wish for roses.

Some fine papers will be read at the meeting. BENJAMIN HAMMOND, Secretary.

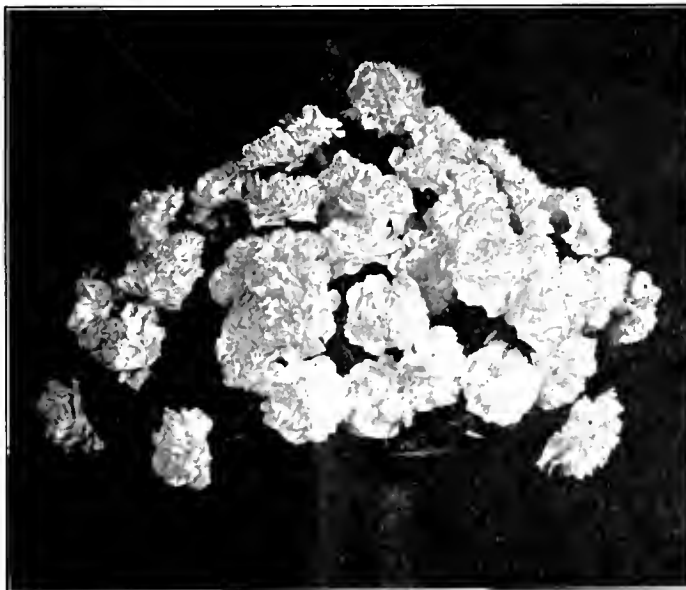


Towell's Seedling Pink Carnation Number 4

Towell's New Carnations.

Joseph Towell, Paterson, N. J., is cutting from an extensive benching of two new seedling carnations which appear to be more than ordinarily promising. A pink, known as seedling Number 4, is the result of a cross between Enchantress and Joseph H. Manley. It is very pleasing in color, somewhat lighter than Mrs. T. W. Lawson. The flowers have attained a diameter of as much as 3 1/2 inches and are well formed. The plants show unusual vigor in growth, and throw up stiff and strong flowering stems of excellent length. The variety, as a profuse bloomer, leaves little to be desired.

The other seedling is a crimson; it is known as Number 28, and is a cross between Harry Fern and J. H. Manley. It is a profuse bloomer, with a vigorous habit of growth, good stem and calyx. Both varieties will probably be disseminated.



Vase of Flowers



House Photographed December 22, 1907. Before Cutting for Christmas Holidays

CARNATION LLOYD

Originator and Introducer, H. A. Jahn, New Bedford, Mass.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYEE, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLOEAL CO., 1706 Broadway, J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Dayton, O.

W. G. MATTHEWS, FLOEIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLORIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BEBTEEMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

A Seasonable Wedding Decoration.

One of the most important weddings of the season took place the day after Christmas, and in spite of the general feeling of lassitude that prevails after a big holiday rush, the decoration was a distinct success and one of the most brilliant of the season.

The usual Christmas decorations were left in place. They consisted of large spruce trees, pine roping, etc. In addition to these, either side of the chancel was banked with large palms reaching to a height of thirty feet. Poinsettias and lilies were used in large numbers, the large double flowering poinsettia being employed exclusively. We find these plants far superior in every way for decorative purposes; if they are once properly hardened up they will retain their freshness for days without wilting. The whole chancel right back to the altar was a mass of these brilliant subjects; they were arranged in groups and clusters relieved by numbers of lilies. Large vases of lilies stood on the altar, the background being formed by a mass of Adiantum Farleyense. The altar rails were draped with strings of Asparagus plumosus, relieved by

table brightened with sprays of the red-berried black alder, and poinsettia bracts. The whole room was festooned with Princess pine roping, from which were suspended large red balls made of red wood ribbon, and lighted by electricity. The guests were ushered into a perfectly dark room and seated; at a given signal the lights were turned on, and the effect was most startling and novel.

A Christmas Novelty.

One of the best novelties seen in the New York stores this Christmas were araucarias decorated and lighted ready for use as artistic Christmas trees or for table decoration. The most attractive method of doing this is to tie ribbons throughout the branches. A red and green ribbon was used in this case, tied in small bows and looped from branch to branch. A number of small red bells were also tied to the branches and the tree lighted with very small electric bulbs. The dry battery was hidden beneath the lower branches of the araucaria. They made excellent centerpieces for Christmas tables, and were also used as small Christmas trees.

A quick method for making a large cross was observed this week. The cross was to be placed on a grave as a Christmas remembrance. A large frame five feet high, with slanting arms, was mossed up. Princess pine roping was used; this was simply wound around the frame and fastened here and there with wire, enough pine being stemmed on sticks to finish off the top of the cross and the ends of the arms. The effect when finished was a massive cross of green. A large wreath of red immortelles was placed over the arms and tied on with a broad bow of ribbon of the same color. Heavy wires, about one foot in length, extended from the base of the cross for the purpose of fastening it into the soil. D. RAYBUN.

A Christmas Rhododendron.

Editor Florists' Exchange:

We send you a photograph of a rhododendron (here-with reproduced) which we had in bloom for Christmas. The plant had 50 flowers also as many buds to come in bloom. We received it from Belgium about six weeks ago, and it was the only rhododendron known to be in bloom for Christmas in our city.

M. COOK SONS.

New Orleans, La.

Carnation Lloyd.

(See page 13)

This sterling new white carnation originated five years ago at the establishment of H. A. Jahn, New Bedford, Mass. It is a pure white, very fragrant, and the beautiful flowers, which easily measure 3, 3½ and very often 4 inches across, are borne on long, stiff stems of from 18 inches to 36 inches. It is a pedigree seedling, with Lawson blood in it. It can be truthfully called the florists' flower. It will stand the most neglect, and a lower temperature than any other carnation the writer knows of. In all of the ten thousand plants grown by Mr. Jahn very few split flowers were seen; in fact, the houses have sometimes got as low as 42 degrees and once or twice down to 34. And when it is taken into consideration that the houses here are old, with very small glass, what would this variety do in a modern establishment with every advantage? To show the free-blooming qualities of the Lloyd, the introducer the first year from the original plant picked 65 blooms, again last October from 10,000 plants the cut for one day was 3,000 blooms. Mr. Jahn is now picking 1,800 blooms weekly; these are shipped to Boston where every single flower commands the fancy price of 6c.

A dozen blooms of this carnation make a handsome bunch. The florists around here are investing heavily in this novelty. Chatterton Warburton of Fall River, will grow about one thousand plants of it for next year, and S. S. Peckham, the Fairhaven carnation specialist, will grow 500 plants of it.

At the exhibitions in Boston and Newport it easily outclassed all other varieties, and was the admiration of all who saw it. The garden committee of the Massachusetts Horticultural Society, who visited Mr. Jahn's greenhouses, were much impressed with this variety. It is all the introducer claims for it; in fact, the description is too modest—a good honest free and ever-blooming clear white carnation, very easily rooted, fragrant, excellent keeper and shipper, size and stem of Enchantress, with the freedom of bloom of Lizzie McGowan, not a cropper, always in flower.

The illustrations herewith show a house of this new variety, and a vase of flowers, which does not do half justice to it. New Bedford is about 56 miles from Boston, some two hours' ride.

HORTICO.

GENEVA, N. Y.—The Chase Nurseries have been incorporated with a capital stock of \$6,000; incorporators, George M. Chase, Thomas H. Chew, and Lausing G. Hoskins, Oswego, N. Y.



Rhododendron for Christmas

Growers, M. Cook Sons, New Orleans, La.

bunches and sprays of gardenias. To each pillar of the church a large Christmas tree had been fastened; a bunch of poinsettias tied with red ribbon was added to each one of these. At every other pew up the center aisle was fastened a basket of scarlet carnations, and lily of the valley.

The house was simply decorated with palms and ferns, American Beauty roses being the only flowers used. These were employed in great profusion. The bride received under an immense specimen kentia; a huge urn of American Beauty roses standing on either side gave a very classic effect. The same rose was also used among the palms to screen the musicians, and on the buffet table.

A Christmas Table Decoration.

Among the many decorations seen this Christmas the following was one of the most attractive. A large round table was set for thirty people. In the center of the table a large pyramidal English holly was placed; five smaller bushes occupied equal spaces near the edge of the table. These hollies, which were a mass of berries, were wired and lighted with numbers of miniature electric lights. They were also connected one to the other by garlands of holly and mistletoe, made over electric wires, lighted every few inches by red and green electric bulbs. A mass of holly covered the

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set sold, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 64 E. Foster Ave.

SITUATIONS WANTED

SITUATION WANTED—By experienced man in first-class store. Designing, decorating, etc. 15 years' experience. Address, T. T., care Florists' Exchange.

SITUATION WANTED—As rose grower or on private place. Sober and reliable. Best of references. Married; small family. Can come at once. Address, G. W. S., care The Florists' Exchange.

SITUATION WANTED—By middle-aged married man; first-class grower of roses, carnations and general stock. Capable of taking full charge. Address, H. H., care The Florists' Exchange.

SITUATION WANTED—By a good grower of roses, carnations, palms, chrysanthemums, bedding stock, etc. State wages. Address, William Kane, 114 Union St., Poughkeepsie, N. Y.

SITUATION WANTED—By seedsman. Good knowledge in all branches, chiefly flower seeds. Age, 20. First-class reference. 5 years' experience. English. Address, W. H. H., care The Florists' Exchange.

SITUATION WANTED—As first assistant gardener. Experienced in roses, carnations, stove and greenhouse plants. Good references. Nationality, English. Age 24 years. Address, R. S., care The Florists' Exchange.

SITUATION WANTED—Young lady wishes position in florist store. First-class maker-up, saleslady, etc. Used to catering to high-class trade. All references. Address, H. W. M., care Florists' Exchange.

SITUATION WANTED—As manager of nursery by competent, practical man with long all-around experience in all branches of horticulture. Good propagator; capable of designing and handling large jobs of landscape work. Sober; a hustler. Would take stock later in good paying concern. State wages. References. Address, Nurseryman, care The Florists' Exchange.

SITUATION WANTED—As manager private or commercial place. 25 years' practical all-around experience. Europe and America, in all branches of horticulture. Landscape gardening in Eastern states a specialty; capable of designing and handling large work. Well recommended as to ability, handling men economically. Address, Hustler, care The Florists' Exchange.

HELP WANTED

WANTED—At once, a good grower of carnations and bedding stock, as assistant must be a rapid potter, \$35 per month, board and room. T. Malbran, Johnstown, Pa.

WANTED—Experienced grower of chrysanthemums, bulb stock and bedding plants. Sober; steady position. Cassidy & Sons, Greenpoint Avenue, Calvary Cemetery, Long Island City, N. Y.

WANTED—A first-class salesman, designer and decorator for fine retail store that caters to highest class trade. One with New York experience preferred. State salary, etc., confidential. Address, E. F., care The Florists' Exchange.

WANTED—A first-class rose grower, single man preferred; must be able to produce the best of references as to character and ability. State wages expected. A steady place for a first-class grower. Apply to S. S. Bain, florist, 463 St. Catherine St., West Montreal.

HELP WANTED

WANTED—On commercial place near Philadelphia where roses and general line of cut flowers and plants are grown, a thoroughly practical florist. Must be sober and reliable and furnish unquestionable reference from former employer. Married man preferred. H. H. Battles, Newtown Square, Pa.

MISCELLANEOUS

PARTNER WANTED—An excellent opportunity for a trustworthy young man with \$1,000 to enter into the florist store business. One who understands designing and decorating. To the right man, full charge and management. In one of the best cities in N. E., of 200,000 inhabitants; 1 hour's ride from New York City. For further information address, G. A. J., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED—One Hitchings No. 4 or 5 saddle boiler, second-hand. Address, S. E. Prosser, Warrensburg, N. Y.

WANTED Echeveria; quote prices per 100 and 1,000, East Side Greenhouses, Dubois, Pa.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED To rent with privilege to buy, about 10,000 feet of glass with ground, on Long Island or New Jersey. Address, E. R., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material; cash paid for dismantled and removed at once. Address, F. X., care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—Four greenhouses, all stocked; seven acres land; dwelling house, etc. Situated on Long Island. Will sell at a bargain. Box 201, Farmingdale, L. I., N. Y.

FOR SALE—Greenhouses, 5,000 feet; heavily stocked; flourishing trade; nearly new bargain, \$1,600. Reason for selling other business. Knuff Floral Co., Perceon, Ind.

FOR SALE—Florist business and greenhouses, in one of the best Connecticut towns, good 8-room house. Plenty of room to raise stock. Owner about to leave town. Address, A. B. C., care Florists' Exchange.

FOR SALE—Old established retail florist's store, in Brooklyn, N. Y., well situated, and with good trade and connections. Good reasons for selling. For particulars address, Bonnet & Blake, 106 Livingston St., Brooklyn, N. Y.

FOR SALE—On account of the recent death of my husband, I desire to sell our greenhouse property located at Farmington, Conn., consisting of seven greenhouses, covering 12,000 square feet of ground, planted principally to carnations and violets. Stock in excellent condition; free from disease and showing lots of bloom at present time. Business established twenty-eight years and a ready market for entire output. With two acres of land, and a six-roomed cottage, with all modern improvements; stable, sheds, implements, etc. A splendid opportunity to a quick buyer. Address for further information, terms, etc., to Mrs. Hugh Chesney, Farmington, Conn.

LEGAL NOTICES

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—The annual meeting of the stockholders of this Company will be held at the office of said Company, Nos. 2 to 8 Duane Street (Rhineland Building), in the Borough of Manhattan, City of New York, on the sixteenth day of January, 1908, at 12 o'clock noon, for the election of a Board of Directors and two Inspectors.

J. H. GRIFFITH, Secretary. A. T. DE LA MARE, President.

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—By order of the Board of Directors the Transfer Books of the above Corporation will be closed on and after January 7, 1908, at 12 o'clock noon, to January 17, 1908, at 12 o'clock noon.

DAVID TOUZEAU, A. T. DE LA MARE, Treasurer. President.

Thirty cents is the minimum charge for advertisements on this page.

STOCK FOR SALE

VIOLETS, Princess of Wales, extra strong bold grown, \$3.00 per 100. Evenden Brothers, Williamsport, Pa.

AQUARIUM PLANTS the year round. Wholesale and retail. Send for price list. Schmidt's Emporium of Pets, 712 12th Street, Washington, D. C.

FOR SALE—Large size Branchleyensis gladiolus bulbs \$8.00 per 1000. Cash with order. Post office money order preferred. Est. of L. Siebrecht, Floral Park, N. Y.

BARGAIN in Stock Chrysanthemums. 150 Yellow Appleton, Joe Robinson, at 232 E. 25th Street, busy Wallflowers, etc. The lot for \$7.00. G. S. Rainsburg, 275 High Street, Somersworth, N. H.

DRACAENA TERMINALIS CANES, 8 to 1 in. diameter, by mail, 12c. per ft. 500 ft. lots at 9c. Express prepaid. C. O. D. Will exchange for plants of other varieties of dracaenas. Wm. H. Hill, Manati, Porto Rico.

FOR SALE

FOR SALE—Cheap for cash, five foot horizontal tubular boiler, complete, good as new. G. S. Rainsburg, Somersworth, N. H.

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parschelsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Tobacco stems and tobacco dust 2c. per lb. in bale lots. F. O. B. Binghamton. S. R. Levy, Binghamton, N. Y.

FOR SALE—Greenhouse material and hotbed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE—On hand, good, sound, second-hand, wrought iron pipe with new threads and couplings. Also sound boiler tubes with end cut square, for greenhouse heating. Pfaff & Kendall, Foundry street, Newark, N. J.

FOR SALE—1000 second-hand hotbed sash, glazed and in good condition, 3 ft. x 6 ft., 6 in., at \$1.25 each. Also one million feet, all sizes, second-hand pipe. Buffalo House Wrecking & Salvage Company, Sycamore street and Erie R. R. crossing, Buffalo, N. Y.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3 3/4 c.; 1 1/2 in. 4 1/2 c.; 1 3/4 in. 5 1/2 c.; 2 in. 7 1/2 c.; 2 1/2 in. 10c.; 3 in. 14c.; 4 in. 19c.; per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1/2-3/4-1 in. \$3.00; No. 2 cuts 1 1/4-1 1/2-2 in. \$4.00; Armstrong Adjustable No. 2 cuts 3/4-1 in. \$4.00; No. 3 cuts 1 1/4-1 1/2-2 ins. \$6.50. Second-hand Armstrong, No. 3 \$5.00; No. 2 \$3.00.

BOILERS one 12 in. grate, round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, round boiler heating 900 sq. ft. of glass, \$40.00. 1 No. 539 Richardson, five section water boiler, Grate 30 by 28, heat about 5000 sq. ft. of glass, used one season, \$125.00. 1 American Radiator Ideal, eight section water boiler, grate 67 by 49, heat about 15,000 square feet of glass, price \$225.00. 1 Pierce Butler and Pierce Sterling Round Sectional boiler, grate 20 inches, heat about 1500 square feet of glass, price \$50.00, in good condition.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in., grips 1 1/2 in. \$1.05; 18 in., grips 2 in. \$1.40; 24 in., grips 2 1/2 in., \$2.10; 36 in., grips 3 1/2 in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$2.50.

GARDEN HOSE 50 ft. lengths 3/4 in., guaranteed, red, 8 1/2 c.; for heavy work, guaranteed, 12 1/2 c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft., 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25 good condition.

GLASS New American, 50 ft. to the box. 10x12 single at \$2.05 per box. 10x12, 12x12, B double, \$2.40 per box. 12x14 to 12x20 and 14x14 to 14x20, B double, \$2.65 per box. 12x24, B double, \$2.90 per box. 16x16 and 16x18, B double, \$2.55 per box. 16x20 to 16x24, double, \$2.55 per box.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Heating.

Growers' Problems Solved by U. G. Scollay.

I am thinking of building one or two houses to grow a good plants for the market such as carnations, chrysanthemums, violets, button chrysanthemums, etc. I intend putting up four 100 foot long by 20 feet wide. At first I will erect one house, 100 x 20 feet even span. I can get an old marine boiler that was rated at 4 or 5 horse power, a large fire box, as wood was used as fuel. Could I utilize this boiler, burning coal, for hot water and would it heat one house 100x20 feet and 10 or 14 feet to ridge? I intended putting 5 rows of 1 1/2-inch pipe, one on each side, and one flow pipe, 2-inch, on each side of the house. Would that be sufficient to keep the temperature up to 55 degrees? The climate here is not severe, the thermometer rarely going to 20, and when it does only for a night or so. I have a large horizontal boiler of under-mentioned dimensions, that is not in sufficiently good condition to use for steam, but is in good enough order for hot water. Please give an opinion on this boiler for use in greenhouses. The boiler has 10 2 1/2-inch flue tubes, and fire box, 4 feet 6 inches x 2 feet 9 inches x 3 feet high. Could this boiler be used economically for coal to heat by hot water, say three houses, 100x20 feet x 10 feet high. The boiler first mentioned is, of course, much smaller, but of the same style as the latter. The freight on boilers is very high here, but coal is high also, so unless the boilers could be used economically it would not pay to use them. Could the boilers be stoked to last say 8 or 10 hours, at night?
H. B. D.

British Columbia.
The small boiler would be crowded pretty hard to carry the house 100x20 feet to 55 degrees, but it could be done on a pinch. I would advise you to place six rows of 1 1/2-inch pipe in each side and feed the six pipe coils with one 2 1/2-inch instead of a 2-inch flow. You will get better results if you do. Even though you may not have very severe weather all the time, when you do have it you want to be prepared for it.

The large boiler mentioned has ample capacity to heat the three houses 100x20x10 feet. If you propose to use the large boiler for hot water, plug up the steam dome and have special connections put on the top of the shell for your hot water mains. The same can apply to the returns. The circulation of your boiler will be much easier if this is done. In case you use the large boiler on the three houses for a temperature of 55 degrees, I would recommend that you have 3-inch main capacity for each house at least; 3 1/2-inch would be better, and it will simplify your work, possibly, if you had the boiler so arranged that you could have three flow and return openings placed on each. You would then save the trouble of running larger pipe than the sizes mentioned.
U. G. SCOLLAY.

Moninger on Money Matters.

The John C. Moninger Company, Chicago, has issued an attractive souvenir in the form of a representation of a bank book containing a fac-simile certificate of deposit for a thousand. Within is given some pertinent and opportune advice on the subject of money. It is also stated "We honestly believe that the florist who builds for next year will make more money than he ever did before on the same amount of capital invested. Don't be scared, but be wise and get ahead of your neighbor. The pessimist never did make money, but the optimist always succeeds." The advice is also given to use the firm's material in building operations.

NEWCASTLE, PA. The death of George C. Butz, a native of this town, occurred on December 14, 1907. He was born on February 1, 1833, and was on the staff of the horticultural department of the Pennsylvania State College, which conferred the degree of M.S. upon him in 1888. Mr. Butz was the author of several horticultural books.

ST. LOUIS, MO. The executive committee of the St. Louis Horticultural Society met recently at the Missouri Athletic Club. Preparations are making for the annual meeting in January, and the question of a Spring flower show is being considered.

FOR SALE—Second-hand boilers. One No. 5 Weathered, capacity 1000 feet, 4 inch pipe; one No. 5 Hitchings, capacity 900 feet, 4 inch pipe; one No. 57 Hitchings, sectional, capacity 2500 feet; two eight-sectioned Weathered boilers. Write for information and prices. Wm. H. Lutton, Opp. West Side Avenue Station (C. R. R. of N. J.), Jersey City, N. J. Telephone 112 Berg-9.

FERNS
MY SPECIALTY

150,000 assorted ferns for jardinières, excellent stock, in 15 of the best market varieties, including *Cyrtotium Falcatum*, *Aspidium Thuscense*, *Pteris Wimsettii* and *Mayli*, in good proportion, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000; at 1000 rate.

- CENTER PLANTS (Exact Size)**
Kentia Belmoreana, 2 1/4 in., \$1.30 per doz., \$10.00 per 100.
 Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Cunentum, fine stock, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Furcyense, 4 in., \$4.75 per doz., \$35.00 per 100; 5 in., \$8.50 per doz., \$65.00 per 100; 6 in., \$12.00 per doz., \$105.00 per 100.
Adiantum Rhodophyllum, 4 in., \$2.50 per doz., \$20.00 per 100; 5 in., \$5.50 per doz., \$40.00 per 100.
Adiantum Graecillum, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000.
Ailantium Regina, 4 in., \$3.00 per doz., \$22.00 per 100; 5 in., \$6.00 per doz., \$45.00 per 100.
Cibotium Schiedelii, 4 in., \$3.50 per doz., \$25.00 per 100.
Nephrolepis Scottii, 5 in., \$7.00 per doz., \$60.00 per 100; 6 in., \$15.00 per doz., worth the double.
Elegantissima and *Pieroni*, 5 in., \$5.50 per doz.
 Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, Short Hills, N. J.

LATANIAS

Fine strong plants, 2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$6.00 per 100, \$50.00 per 1000; 4 in. \$16.00 per 100.
KENTIAS, *Belmoreana* and *Forsteriana*, 4 in. 25c., 35c.; 5 in. 50c., 75c.; 6 in. 1.25, 1.50; large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$1.00 to \$40.00 each.
PANDANUS Urtile, strong 2 in. \$3.50 per 100; \$30.00 per 1000.
AZALEAS INDICA, fine plants, 35c. to \$2.00 each.

FERNS

Boston and *Pieroni*, 4 in. 15c., 5 in. 25c., 6 in. 50c., 7 in. 75c.
Whitman, 4 in. 25c., 5 in. 50c., 6 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.
 Small **FERNS** for dishes in all shapes, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, Mount Troy, ALLEGHENY, PA.

FERNS

- Adiantum Croweanum*
 1-in. pots, \$13.50 per 100, \$100 per 1000.
Adiantum Cunentum
 4-in. pots, \$1.80 per doz., \$15.00 per 100.
Asparagus Plumosus Nanus
 2 1/4 in. pots, \$3.50 per 100, \$30.00 per 1000.
 3-in. pots, \$6.00 per 100, \$55.00 per 1000.
 4-in. pots, \$10.00 per 100.
Asparagus Sprengeri
 3 1/4 in. pots, \$3.50 per 100, \$30.00 per 1000;
 3 in. pots, \$8.00 per 100, \$55.00 per 1000.

A. N. PIERSON - CROMWELL, CONN.

FERNS FERNES

BOSTON, 3 in. \$6.00; 4 in. \$12.50; 5 in. \$25.00; 6 in. \$40.00 per 100; 7 in. 90c. each.
PIERSONI, 3 in. \$6.00; 4 in. \$12.50
ASPARAGUS PLUMOSUS, 2 in. \$3.00; 3 in. \$6.00; 6 in. \$40.00 per 100.
ASPARAGUS SPRENGERI, 2 in. \$3.00; 3 in. \$6.00; 6 in. \$40.00 per 100.

CINERARIA Fine, large six inch, ready for immediate sales, 35c. each.
 Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

FERNS

Boston, *Scottii*, 4 in. 15c.; 6 in. 40c. Some extra heavy *Scottii* at 50c. each. All pot grown.
Asparagus Plumosus, 2 1/4 in., \$3.50 per 100.
KENTIA Belmoreana, 4 in., \$25.00 per 100.
 Standard varieties of carnation cuttings at popular prices.
H. WESTON, Hempstead, N. Y.

CHRISTMAS FERNES

Do not delay. Order your Christmas supply of ferns at once. Then we can ship at just the right time when the weather is not too cold.

Our stock was never better, 50,000 fine, bushy plants to select from.

We will give you very liberal count on any order you may send us during the next ten days. The best of packing and prompt shipments.

R. G. HANFORD, NORWALK, CONN.

NEPHROLEPIS

WHITMANI, 2 1/4 in. \$5.00 per 100; 3 1/4 in. \$25.00 per 100.
FERNES, *Boston*, 2 1/4 in. \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

FERNES

BOSTON per 100, \$10.00; Fine plants.
SCOTTII " " 10.00
WHITMANI FERNES, fine bushy plants, 5 inch, \$6.00 per dozen.

PAUL J. BURGEVIN, Port Chester, N. Y.

FERNES

Assorted for *Jardinières*, good plants, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate; 3 in. \$6.00 per 100; 4 in. \$12.00 per 100.

ERANK N. ESKESEN, Main Street, Madison, N. J.

FERNES

Pieroni, 4 in., 5 in. and 6 in. pots, 10c., 20c. and 35c.
Asparagus Plumosus, 3 in., 3c.
Sprengeri, 3 in., 2c.

J.S. Bloom, - Riegelsville, Pa.

FERNES, FERNES, FERNES

Fine stock of assorted *Fernes* in best market varieties from 2 1/4 in. pots, at \$3.00 per 100 plants, or \$25.00 per 1000.
Cibotium Schiedelii from 4 in. pots, at \$30.00 per 100 plants.

THOMAS P. CHRISTENSEN, Short Hills, N. J.

FERNES

BOSTON, 5 in., each 25c.
PRIMULA CHINESE, 2 in., \$2.50 per 100.
PRIMULA OBCONICA GRANDIFLORA, 3 in., \$6.00 per 100.
DRACAENA INDIVISA, 3 1/2 in., each 10c.
ASPARAGUS Sprengeri, 3 in., \$6.00 per 100.
ASPARAGUS Plumosus, 2 1/2 in., \$2.50 per 100.
PLAINFIELD GREENHOUSES, Plainfield, Conn.

WORCESTER, MASS.—The florists report an unusually good Christmas season. There was a good demand for potted plants and all kinds of green materials. *Poinsettias* were favorites. Box-wood balls were also popular and sold well.

Azaleas had a big run, likewise *Jerusalem cherries* and *holly*. *Mistletoe* of the better quality found a ready market. Prices as a whole were about the same as last year's, excepting for *violets*; these were much higher but of fine quality. In addition to the heavy Christmas trade there was much funeral work.

Lewis reports his first Christmas in Worcester as something great. Mrs. May Fisher was rushed. H. E. Littlefield with his two stores was forced to work several times all night. C. D. Mackie says trade was 20 per cent. ahead of last year's. With him the larger plants sold better than the smaller ones, palms and ferns being in the lead. Hundreds of globe ferneries were disposed of. The Worcester Conservatories, L. C. Midgley, manager, prior to Christmas cut nearly 25,000 carnations of fine quality. Their roses are a little off crop but are beginning to come in. Mr. Midgley has lately bought the Mrs. Potter Brown place of 75 acres in Westboro. There was on this establishment about 5,000 feet of glass which Mr. Midgley has filled with carnations. In the near future he contemplates building more houses on this new acquisition.
 CAROLUS.

Christmas Trade, 1907

(continued from page 9.)

ST. LOUIS.—From reports gathered by your correspondent, it can be safely said that the Christmas business this year was fully up to that of last year and in some cases even better. Our commission men, four in number, say the rush for stock on Monday, Tuesday, and Wednesday was as large as at any previous Christmas in their experience. *Roses*, carnations, *violets* and bulbous stock sold at good prices; the only thing that seemed to be in plenty was cut *poinsettias*. All of the salesmen were loaded down with extra fine quality of these, but they would not move at \$3 to \$4 per dozen. *American Beauty roses*, choice, sold well, the top price being \$12 per dozen and not any too many at that. The \$8 to \$10 per dozen grades went better and more of them, shorts too, sold clean. *Killarney*, *Richmond*, *Bride*, *Bridesmaid* and *Mme. Abel Chateau*, in fancy grades, brought \$15 per 100 and from that down to \$6 for shorts. Everything sold out clean.

Enchantress, Mrs. T. W. Lawson, Cardinal, *White Perfection* and *Pink Enchantress* carnations, in fancy, sold fast at \$8 per 100, in lesser grades at \$5 and \$6. Nothing in carnations was sold under \$4 per 100.

California *violets* were fine and arrived in large lots; these cleaned up at \$1.50 per 100 for the best. The market was well supplied with bulbous stock of all kinds; the prices on these were not advanced.

All kinds of greens went well, with plenty of *smilax*, *asparagus*, *adiantum* and *galax*. *Holly* was a money-maker this year; many of the florists were caught napping by not ordering in advance, as the price went up as high as \$4 per case.

Among the West End florists, who expressed themselves that the Christmas trade was better than they expected, were *Waldhart*, *Ayers*, *Newman*, E. C. *Weber*, *Townsend*, F. H. *Weber*, *Ellison*, *Kalish*, *Windt*, *Sanders* and *Alex. Waldhart*. They say trade was exceptionally large in plants of all kinds. Cut flowers, though high in price, sold as well as ever. The downtown florists had all they could do with cut flower orders; and in greens and *holly*. Among those who did as rushing trade were C. Young & Sons, Miss *Baldarone*, J. J. *Beneke*, *Foster Floral Company*, *John Burke*, *The Riessen Floral Company*, *Alex. Siegel* and *Ostertag Brothers*.

The craftsmen in the southern part of the city who have greenhouses all say that the hard times occasioned by the constricted money market were not apparent with them. *Charles Beyer*, *Schray* and *Son*, *Kruse*, *Engelberg*, *Fillmore*, *Windler*, *Bergestermann* and *Meyer* all claim that trade was good in all lines. The weather too was favorable to delivery of plants.

In North St. Louis the *Bentzen Floral Company*, *Mullamphy*, *Huetteman*, *Koenig*, *Meinhardt*, *Brix*, *Schleeter* and *Rotter* say that they had all they could do with orders of all kinds.

ST. PATRICK.

KALAMAZOO, MICH.—Christmas trade here turned out to be all that was expected. A heavy fall of snow during the early hours of Monday effectively put a stop to much business for that day, consequently the trade in pot plants was affected to the extent of one day's sales. Bright cheerful weather on Tuesday and Christmas morning brought out the buyers and by noon of that day most of the cut flowers, *holly* wreaths and green were disposed of. Pot plants did not go so fast, and my impression is that it was more of a cut flower than a plant Christmas than usual. The retailers all appear well pleased with the amount of business done. Prices were well maintained as quoted last week, and these will probably rule till after New Year.

I think the florists averaged about as well as any other business during the holidays, none making any claims of increase over last year's except the 5c. and 10c. stores, which certainly were rushed.

Funeral work and a few good wedding and party orders keep the cut of flowers well used up, and at present writing there is almost a scarcity of good stock. The cuts of most growers continue light, though in a week or two there promises to be plenty, especially if the present favorable weather continues. *Holly* and greens continue to sell as well as ever, but the business in bells appears to have passed out of the hands of the florists. *Novelties* were not offered this season, as I suppose the circumstances surrounding business conditions here did not warrant more outlay than strictly necessary.
 S. B.

NEW BEDFORD, MASS.—Christmas trade was beyond all expectations and everyone was satisfied. Flowers were all cleaned up. Prices were good; carnations brought from \$1 to \$1.25 per dozen retail; roses \$3 per dozen for *Bride* and *Bridesmaid*. *Violets* were rather scarce; \$2 and \$3 per hundred was the price asked, some nice *Paper White narcissus* were seen; these sold at 60c. per dozen retail.

There was a good assortment of Christmas plants such as *azaleas*, *primroses*, *Gloire de Lorraine begonias*, *cyclamen*, etc. E. H. Chamberlin had a magnificent display of *begonias* which sold very readily; he also had some nice *Fire Fly azaleas* which were very attractive.

Win. P. Pierce had a fine window display of plants and flowers. S. S. Peckham had a very heavy cut of carnations; J. H. Cleary handled the entire cut. Mr. Cleary had some nice pans of *Roman hyacinths*. *Chatterton Warburton* of Fall River handled the entire output of H. A. Jahn's new white carnation *Lloyd* for Christmas. There was a good business done in evergreen wreaths; these sold at from 25c. up to \$2 each. Well-berried *holly* was rather scarce here; some of the florists had consignments of *Delaware holly*. R. H. Woodhouse had a grand trade and reports everything cleaned up. E. Y. Pierce reports a splendid Christmas trade in plants and flowers. A. B. Hathaway had a good cut of *violets*, and sold out of carnations. The weather was grand for delivery; the Winter so far has been very mild.

S. S. Peckham is putting in big batches of carnation cuttings in the sand which he will root for the trade. E. H. Chamberlin reports business good after the holiday.
 HORTICO.

NEWPORT, R. I.—There were fully as many plants sold this Christmas as on any previous similar occasion. Flowering plants were in far greater demand than foliage plants. The former were offered in most lines of better quality than usual, while the latter were, on the whole, very poor when considered as subjects for Christmas sales. There were a few very good *Gloire de Lorraine begonias* and they brought a good price; there were also many very poor ones that did not bring any figure. *Cyclamen* were of good quality and proved good sellers; *poinsettias* went rapidly at a very high figure considering the stock. *Ardiasis* were favorites, as usual. *Jerusalem cherries* were scarcely noticed by buyers as compared with the demand for them in years gone by. In foliage plants medium-sized *Boston ferns* of the *Whitmani* variety in particular sold fully as well as anything else. *Araucarias* went fairly well, too, but there were not as many in stock as usual. *Palms* were not in much demand.

Cut flowers were in good supply with the exception of *American Beauty roses*; the demand for the latter was unexpectedly strong and unfortunately the supply in the hands of most dealers was unusually light. Other varieties of roses were on hand in ample supply, but very little stock in that or any other line had to be carried over. *Red carnations* went well at a good price. *Violets* were not called for in such great numbers as usual.

There was as good a demand as ever for Christmas trees, but I doubt very much if on the whole this part of the Christmas business was as profitable as usual; there were far too many trees in stock. *Holly* sold very well as did roping and all sorts of made-up material such as wreaths and balls. An attempt was made at making-up plants in fancy arrangements in imitation of what is so successfully done in New York and other cities, but here with indifferent success; neither party to the transaction is, so far as Newport is concerned, ripe for that branch of the business.
 D. M.

ALLEN TOWN, PA.—Christmas trade in this vicinity was quite good and, I think, on the whole, compares favorably with that of previous years. People began to buy earlier, and the mild weather gave us a better chance to deliver plants in a more satisfactory way. *Horn Brothers* handled a great many bells and had some very fine *holly* wreaths. *Ernest Ashley* was on the market with a fine lot of cut *poinsettias* and white *chrysanthemums*. *Sawyer*, being near the *Union Cemetery*, commanded a good trade. E. N. *Kroninger*, as usual, had some very fine carnations, but, I understand, he ships most of them to New York and Philadelphia. *Andrew Yeager* seemed to do a good quiet trade at his greenhouse.

Grosch Brothers brought to town some very fine pink *chrysanthemums* and Mrs. *Thomas W. Lawson* carnations. A. B. *Ellsworth* had a fine lot of *Gloire de Lorraine begonias*, red *azaleas*, *Nephrolepis Whitmani* and *poinsettias* in pots, and a nice lot of *mistletoe*.
 X.

(continued on page 22.)

Always in Demand **ARAUCARIA ROBUSTA**
COMPACTA and **GLAUCA**

JUST LOOK! An **ARAUCARIA ROBUSTA COMPACTA** OR **EXCELSA GLAUCA**, worth a ten dollar bill, perfect shape and color, 6-7 in. pots, 6-year-old, 4-5-6 tiers, 28 to 40 in. in height, the same in width, only \$3.00; 6-7 in. pots, 6-year-old, 4-5-6 tiers, 25 to 28 in. height, \$2.00 and \$2.50, 6-7 in. pots, 5-year-old, 3-4 tiers, 18 to 25 in. high, \$1.50 to \$1.75. **Excelsa**, 6-7 in. pots, 5-6 tiers, 25 to 30 in. high, \$1.50; 6 in. pots, 5-year-old, 5 tiers, 22 to 25 in. high, \$1.00 to \$1.25; 6 in. pots, 4-5 tiers, 4-5-year-old, 18-20-22 in. high, 75c.; 2-year-old, 2-3 tiers, nice little plants, 6-8 in. high, 40c.

WHITMANI, larger than 8 in. pot, planted in 7 in. pots, made up in June, three plants in a 7 in. pot, now as large as a bushel basket, price, \$1.25 to \$1.50 per pot; middle size, 75c.; very heavy specimens, \$1.00 per pot, 6 in. pots 60c. to 75c.

PIERSONI FERNS 4 in., 25c.; 5-5½-6 in. pots, 35c.-40c.-50c.

PTERIS WILSONI, 5¼ in. pots, very handsome, much admired ferns, 20c.

AZALEA INDICA, Have an immense stock now planted in 6 in. and 7 in. pots, were grown for us under contract by an Azalea Specialist in Ghent, Belgium. Have only the leading varieties such as, *Mme. Van der Cruyssen*, (2500 of this well known variety of the finest shape, full of buds), *Niobe*, *Bernard Andrew Allen*, *Deutsche Perle*, *Simon Mardner*, *Empress of India*, *Prof. Wolters*, *Apollo*, and by doz. more popular sorts, price 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75, \$2.00, \$2.50 each.

BOSTON FERNS, Have about 2,500 of this variety, 8 in. pots, made up as big as a wash-tub, worth \$3.00, \$1.25 \$1.50 each; 7 in. pots, as large as abushel basket, worth \$2.00, cut down to 75c. and \$1.00 each; 6 in. pots, very large, worth \$1.00, only 50c.; 5½ in. pots, 35c. and 40c. each.

KENTIA Forsteriana and **Belmoreana**, 4 in. pots, 8 to 20 in. high 35c. 5½ in., 5½ in., and 6 in. pots, bushy stocky plants, 50c., 60c., and 75c.

LATANIA Borbonica, 4 in., strong, 25c. each.

COCOS Weddelliana, 3 in. pots, 10-12-15 in. high, 15c.

ARECA Lutescens, 4 in. pots, made up three plants in a pot, 18-20-22 inches high, 20c. each.

FICUS ELASTICA or **RUBBER PLANTS**, home grown and Belgium stock, 18-20 to 40 in., 5-5½ to 6 in. pots, 25c.-35c.-40c.-50c. and 60c. each; 7 in. pots, 75c.

ASPARAGUS plumosus nanus, 3 in. pots, \$7.00 per 100; 4 in. \$10.00 per 100; all bushy plants.

HYDRANGEA OTAKSA, Now is the time to force *Hydrangea Otaksa* for Easter blooming. Remember only pot grown will form successful for Easter; we grow ours in pots in the summer and plant them in cold frames (grow inside), have about 500 to spare, 6 in. and 7 in. pots 25c., 35c., 50c., and 75c. each.

HEGONIA, new improved *Erffordi*, 4 in., strong, 20c.; 5¼ in., 25c. each.

Please mention if plants are to be shipped with or without pots. All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN, Importer, Wholesale Grower and Shipper of Pot Plants
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ORCHIDS

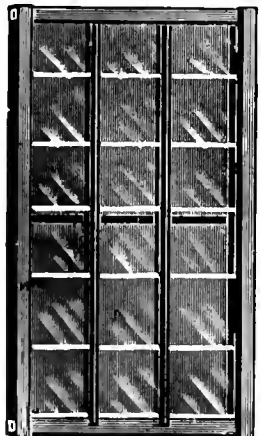
It is with pleasure that we inform our many friends we shall receive this coming Spring large quantities of imported Orchids, namely: **Cattleyas, Dendrobiums, Oncidiums, Laelias, Vandas, Etc.**

Our facilities for handling large consignments are second to none. We have now in our employ four excellent collectors, including our Mr. Carrillo, who collect exclusively for us. We try to give our customers the best that can be got, sparing no expense whatever.

Our quality and price are now too well known to need further comment—a trial order will prove it.

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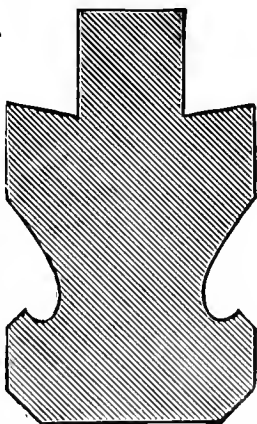


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Estimates and prices cheerfully furnished

TARRYTOWN, N. Y.—The regular monthly meeting of the Horticultural Society was held Thursday evening, December 25, Frank R. Pierson presiding. James Bell and Hector McDonald of Garrison, N. Y., were elected active members. The following officers were elected for the coming year: President, Robert Angus; vice-president, Abel Weeks; secretary, E. W. Neubrand; treasurer, James T. Lawrie; corresponding secretary, L. A. Martin.

James Ballantyne very ably opened a discussion on "Roses Under Glass," after which many of the members took an active part.

The annual dinner will be held at the Florence Hotel on the evening of January 15, 1908. D. McF.

NATICK, MASS.—Percy F. Williams, a graduate of the local high school and of Amherst agricultural college, has left Natick, for Auburn, Ala., where he has secured a position as assistant state horticulturist at the Alabama polytechnic institute. Since graduating from Amherst three years ago he has been in the employ of the State. He enters upon his new duties January 1.

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CHRYSANTHEMUMS and ASTER SEEDS ONLY devoting their entire time and energy to the development and improvement of these Two Popular Florists' Flowers.

Your trade solicited and will receive the same prompt and careful attention as in the past. **CATALOGUE EARLY IN JANUARY.**

Strong, Well Rooted Carnation Cuttings

of the following grand varieties for immediate and later deliveries.

Winsor, silver pink	100	1000	Victory, scarlet	100	1000
White Enchantress, pure white	50.00	50.00	Enchantress, light pink	2.50	20.00
Beacon, orange scarlet	6.00	50.00	Lady Bountiful, white	2.50	20.00
Aristocrat, cerise	6.00	50.00	Cardinal, scarlet	2.50	20.00
White Perfection, white	3.00	25.00	Boston Market, white	1.50	12.50
Rose Pine Enchantress, pink	3.00	25.00	Mrs. T. W. Lawson, cerise	1.50	12.50

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Descriptive catalogue of the season's best novelties now ready. Write for it.

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The flower is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season till late. Considered by the leading florists to be the best and most profitable flower ever grown.

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Hardy Cut Dagger and Fancy Ferns, A No. 1 quality, \$1.50 per 1000.
New Crop Green Galax, \$1.00 per 1000; \$7.50 per 10,000.
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Laurel Festooning, 6c. per yd.
Branch Laurel, 50c. per bunch.
Sphagnum Moss, 50c. per bag; 5 bags \$2.00.

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10,000 lots, 75c. Bronze Galax, \$1.00 per 1000; Fancy or Dagger Ferns, \$1.00 per 1000; Laurel Festooning, 4c., 5c. and 6c. per yard. Can fill all orders promptly and of the finest quality. Laurel Branches, 35c. per large bundle. Extra fine Boxwood now ready. Pine, \$7.00 per 100; Sphagnum Moss, 50c. per sack. Laurel and Pine Wreaths.

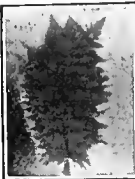
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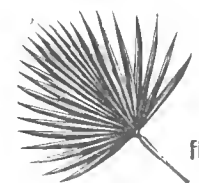
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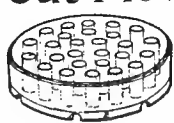
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THE "JAPANA" Cut Flower Holder



A handy article for florists. Sells to the trade on sight. Made of glass in three sizes.

The "Anglais" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

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SPHAGNUM MOSS

\$1.50 per bbl. bale; in burlap \$2.00.

P E A T \$1.00 per 1-bbl. bag.

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10,000, \$1.75; 50,000 \$7.50

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Samples free. For sale by dealers.

Pittsburg.

News Notes.

Erhart & Schwarz, in the North Side market, had some good late chrysanthemums for the holiday trade. This firm opened up a store room near the market to accommodate their trade in the evening after the market was closed.

P. J. Demas spent a few days in Chicago last week looking around for stock.

W. Kroeck of the Pittsburg Market had a sad Christmas; his mother died on Christmas day.

The first meeting of the Florists' Club in the new year takes place January 7. Nominations of officers will be held and an exhibit of roses, some of the new sorts, is expected.

E. C. REINEMAN.

Detroit.

News Notes.

John Breitmeyer's Sons decorated Strassburg's Hall on December 26 for a ball given by Secretary of the Navy Truman H. Newberry, in honor of his debutante daughter. The arrangements for this affair surpassed anything previously attempted. All the walls were masked in white marble, also the stairway railings and marble arches were imitated to cover the gallery. Large tubs of artificial poinsettias were on the galleries. At each end of the hall were 5 to 20 foot high white marble columns. Twenty-five cases of smilax were skillfully entwined to relieve the white, while 1500 artificial poinsettias, judiciously distributed, heightened the effect and produced a truly tropical picture. The background represented a view in an old Italian garden, about 10 feet ahead of which stood an antique Roman well which served as a mask for the punch bowl.

President E. A. Scribner has designated three growers and three retailers to grapple with the question as to whether a Spring or a Fall flower show or both should be held. The names of these members are: E. S. Beard, Thomas Brown, Robert Klage, Albert Pochelen, Bruno Schroeder and J. E. Sullivan.

Mr. Scribner is the only one who keeps his faith in automobiles for delivery purposes and has demonstrated that faith by acquiring a new \$1,000 machine.

Wm. Hielscher, the wire worker, is distributing a very handsome calendar.

The Michigan Cut Flower Exchange has started to use its cold storage ferns, and so far every case opened has contained 26 good leaves to every bunch.

FRANK DANZER.

Boston.

News Notes.

Christmas trade generally has been very satisfactory; the amount of business done was considerably over last year's. Azaleas and Gloire de Lorraine begonias were the best sellers among plants, cyclamen sold well as did ardisias. Plants which happened to be a little out of the ordinary sold like hot cakes in many instances.

Business generally was good last week, a great deal of funeral work having kept many of the retailers busy since Christmas.

The sad death of John Clark and his entire family by burning in their home has been the general topic the past few days. Mr. Clark was well known and popular with the trade in general. President Westwood of the Gardeners and Florists' Club has appointed H. E. Fiske, T. J. Grey, and Peter Miller a committee on resolutions on the death of Mr. Clark.

Robert T. McGorum has his roses in excellent shape at present. He had a heavy cut of extra fine blooms of Bride and Bridesmaid for Christmas and continues to send a daily supply of high class flowers to Welch Brothers.

The first traveler for any of the Dutch firms to get around this season is Felix Bosch, representing K. Vethuys, Hillegom.

J. W. DUNCAN.

New Orleans.

News Notes.

A hailstorm of unusual severity for the South did considerable damage to the greenhouses of J. A. Newsham at Magnolia Gardens, and at the Metairie Ridge Nursery Company's plant on Sunday morning, December 22. Mr. Newsham had only just finished rebuilding two houses brought from his Nashville avenue place, and, as he said, the putty was still soft. He will have to replace about a thousand panes of glass; no insurance. The Metairie Company suffered the greatest loss, their breakage amounting to several thousand square feet, besides damage done to growing crops. These were the only florists in the line of the hailstorm within the city, although I hear that two large cucumber growing establishments situated above the city also suffered considerable damage.

In spite of the cry of hard times there was a good business done here in both plants and cut flowers at Christmas. Good flowering plants were rather scarce, but flowers shipped here were rather above the average for this season, and came in good condition. Last year there was not a Christmas tree to be bought after the first few days, but this year they were more than plentiful in all sizes.

CRESCENT CITY.

Rain and Hailstorm in New Orleans.

Sunday morning, December 22, 1907, at about 3.30 o'clock, there came from the heavens above a record-breaking storm as to rain and hail. Really the hailstones were chunks of ice, as large as hens' eggs, and rough, some weighing one-half a pound, breaking one-quarter inch thick and went through hothed sash piled up six deep. The downpour of rain was general all over and around the city, but the hail came over a narrow strip along the upper section and Metairie Ridge. The Metairie Ridge Nursery Company seems to have been in the thickest of it and suffered most. The probable damage to glass and plants at this nursery is estimated at from \$1,000 to \$5,000, with no insurance. Harry Papworth, having carried insurance since the place was established nine years ago and never having suffered any loss, had decided to discontinue the insurance in the early part of this year.

LOUISIANA.

ESTABLISHED 1894

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DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS

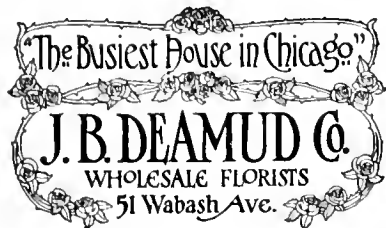
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WHOLESALE CUT FLOWERS
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Wholesale Growers of
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All telegraph and telephone orders given prompt attention.

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All Leading Varieties of Roses and Carnations

PETER REINBERG

Wholesale Cut Flowers

51 Wabash Ave., CHICAGO, ILL.

Headquarters for American Beauty Rose

ST. PAUL, MINN.

Send us your Orders for delivery in the Northwest, which will have our best attention.

L. L. MAY & CO.,
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Choice American Beauty Roses

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35 Randolph Street, CHICAGO, ILL.

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Roses and
Carnations
A Specialty....

WHOLESALE
GROWER of

CUT FLOWERS

Wholesale Prices of Cut Flowers, Chicago, Dec. 20th, 1907

Prices quoted are by the hundred unless otherwise noted

ROSES American Beauty		CARNATIONS	
36-inch stems per doz.	..... to 12.00	STANDARD White.....	3.00 to 5.00
30-inch stems .....	..... to 10.00	VARIETIES Pink.....	3.00 to 5.00
24-inch stems .....	..... to 8.00	Bed.....	..... to 8.00
20-inch stems .....	..... to 4.00	Yellow & var.....	8.00 to 5.00
18-inch stems .....	..... to 3.00	*FANCY White.....	6.00 to 8.00
12-inch stems .....	..... to 2.00	(The high- Pink.....	6.00 to 8.00
8-inch stems and shorts .....	..... to	est grades Bed.....	10.00 to 12.00
Bride Maid, fancy special.....	..... to 25.00	of Sta'd var Yellow & var.....	6.00 to 8.00
" extra.....	16.00 to 20.00	NOVELTIES.....	..... to
" No. 1.....	12.00 to 15.00	LILIES, Harrill.....	12.00 to 16.00
" No. 2.....	5.00 to 8.00	SMILAX.....	12.00 to 16.00
Golden Gate.....	6.00 to 15.00	LILY OF THE VALLEY.....	2.00 to 5.00
Uncle John.....	6.00 to 15.00	HARRY FERNS day 1000.....	..... to 2.00
Liberty.....	6.00 to 15.00	GALAX (green).....	1.00 to 1.25
Richmond.....	20.00 to 25.00	" (bronz).....	..... to 2.00
Killarney.....	6.00 to 12.00	MIKONETTE.....	8.00 to 8.00
" extra.....	20.00 to 85.00	VIOLETS, double New York.....	1.00 to 1.50
Perle.....	6.00 to 10.00	" local double.....	..... to 2.00
Ostenay.....	6.00 to 10.00	" single.....	1.25 to 1.50
K. A. Victoria.....	6.00 to 10.00	NARCISUS.....	3.00 to 4.00
Mrs. Marshall Field.....	..... to	ROMANS.....	3.00 to 4.00
ADIANTUM.....	1.00 to 1.50	POINSETTIAS, per doz.....	1.00 to 8.00
ASPARAGUS Plum & Ten.....	.35 to .50	STEVIA.....	1.00 to 1.50
" sprigged bunches.....	.35 to .50		
Orchids—Oestleyas.....	50.00 to 75.00		
	..... to		

Violets

Vaughan & Sperry

58-60 Wabash Avenue
CHICAGO, ILL.

Poehlmann Bros. Co.

Wholesale Growers of
and Dealers in Cut Flowers

All telegraph and telephone orders given prompt attention.

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MORTON GROVE, ILL. CHICAGO

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AMERICAN CARNATION, 3.50

PLANT CULTURE, 1.00

HOUSE LANTS, cloth 1.00

" " paper .50

RESIDENTIAL SITES, 2.50

TELEGRAPH CODE, 2.50

Book of Water-Gardening 2.50

A. T. De La Mare Ptg. and Pub. Co. Ltd., N. Y.

Chicago.

News of the Week.

The cement show which was held at the Coliseum last week offered a good many happy ideas to the progressive florist, not only for outside work, but for inside bench construction. We understand that as is the case with many other commercial interests this show will now be carried out annually.

Promulgating the possibilities of their products the Scientific Special Crop Intense Culture Ranch of Elmhurst, Ill., has issued a voluminous folder with full descriptions of aster Lady Roosevelt, their improved ginseng and the poultry and pheasant department.

Richard F. Gloede of Evanston has settled with the Drainage Canal Commissioners and taken possession of the new property on which he had a previous option.

W. E. Lynch, treasurer of the E. H. Hunt Company, has been suffering from la grippe for the past week. Knud Gundestrup is also another sufferer from the same malady.

C. L. Hutchison, president of the local committee of entertainment of the annual meeting of the American Association for the Advancement of Science, is well known in horticultural circles in this city.

Vaughan's Seed Store reports one of the most successful holidays in recent years. Treasurer Carl Cropp was particularly pleased with the result.

N. J. Wieter of Wieter Brothers is

still supplying the market with chrysanthemums and has a long list of stock plants, which are being shipped to all sections of the country and across the ocean.

From present appearances it seems evident that Myron H. West, now assistant superintendent of Lincoln Park, will succeed the late Reuben H. Warner, who died on Thursday of last week. Mr. West is a young, capable, energetic and enterprising man, full of vim and vitality, and perfectly able to carry out the plans which will be of most value to the park's patrons.

There is still some question as to whether Mr. West will succeed to the secretaryship of the Park Board which Mr. Warner had also held for a number of years. That matter will be decided by the board.

W. K. WOOD

New York.

The Week's News.

The social whirl in this city during the holiday season does not seem to have been a very strenuous one, and elaborate floral decorations for either dinner parties or receptions are few and far between. The New Year did not seem to create any extra demand for either flowers or plants, but we have got accustomed to the fact that New Year's Day does not bring with it any more business than does any ordinary Saturday, so no one is disappointed.

President of the S. A. F. O. H. Frank H. Traendly was in Philadelphia on Saturday last attending a meeting of the board of directors of that society, of which he was a member at the time of his election to the office of president.

Joseph Frank, retail florist at 764 Third avenue, is in the German hospital, convalescing from a rather serious operation; his complete recovery is looked for.

John Young, the popular secretary of the New York Florists' Club, has been appointed a member of the board of directors of the S. A. F. O. H. by President Traendly. It goes without saying that Mr. Young's many friends, both in the wholesale district and elsewhere, will heartily approve of Mr. Traendly's selection.

James Dean, Freeport, L. I., and his daughter Jeanette left on Thursday for San Antonio, Tex. Miss Dean is in ill health, and it is hoped she will be benefited by a stay in the southern state. Mr. Dean himself will remain there a month.

The employees of Vaughan's Seed Store presented Romer J. Irwin an umbrella on Tuesday evening as a token of their respect to him on his leaving to join the forces of the H. H. Berger Company.

The twelfth annual smoker of the Morris County Gardeners and Florists' Society will be held on Wednesday evening, January 8, in Masonic Hall, Madison, N. J.

Daniel J. Mackintosh, florist at 1141 Broadway, has filed a petition in bankruptcy, with liabilities \$8,780 and nominal assets, \$4,406, consisting of stock, \$20, two wagons, \$500; fixtures \$150, and outstanding accounts, \$3,556 from several hundred customers which he has been unable to collect. The largest creditors are Elizabeth Mackintosh, \$3,000, and Richard Gager, \$853. John R. Mackintosh is preferred for \$798, bequest and legacy under the will of Kate Mackintosh. The petitioner has been in business since 1896.

Thomas Knight, recently with the Julius Roehrs Company, and George F. Struck, salesman for Lager & Hurrell, have formed a partnership, and will deal in decorative and flowering plants with offices in the Metropolitan Building, corner Fourth avenue and Twenty-Third street, under the firm name of Knight & Struck.

The stork visited the home of John Scott, Flatbush, N. Y., on the night of December 31 last. It's again a boy, mother and baby are doing well.

Among visitors in town this week were W. N. Rudd, Chicago, Ill.; W. F. Kasting, Buffalo, N. Y.; P. Welch, Boston, Mass.; and Carl Jurgens, Newport, R. I.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
54 WEST 28th STREET, NEW YORK.
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

Christmas Trade, 1907.

(continued from page 16.)

CLEVELAND, O.—The open Christmas season was responsible for the large demand for cemetery wreaths, of which a great many were sold. The prices were not as high as usual, but more goods were disposed of. The prepared moss wreath has come to stay and is a greater favorite every year. In cut flowers, roses, carnations and violets sold well. Roman hyacinths and Paper White narcissus moved slowly, but were all sold. The Cleveland Cut Flower Company did a bigger business than last year and handled it easier, because of increased facilities in their new store.

The retail florists all declare that Christmas trade was better than ever before. Westman & Getz report an increase of about 50 per cent. over last year; all their cut flowers were sold, and their plant business was phenomenal, owing to the arrangement of simple little blooming plants in baskets of various shapes. Pleasing arrangements of foliage plants in baskets sold extremely well. Crotons and poinsettias in small pans were very much in favor with the buying public.

Simon Anderson, West Park, had some magnificent poinsettias. A Graham & Son report a very good business; they had a large run on red immortelle and boxwood wreaths. Gasser Company are gratified with the results of the Christmas business. C. M. Wagner expresses himself as well satisfied with trade conditions at his new store.

All are confident they will have a prosperous new year. O. G.

MILWAUKEE.—Christmas business averaged up about the same as last year. There was plenty of stock, with the exception of red, to meet all demands. Prices did not soar as high as formerly and the figures obtained were somewhat below last year's; but this may be due to the financial stringency. Retailers state they could not get the high prices even for high grade stock, but with the large variety and abundance of material the sales were heavy and receipts were above expectations. White stock went slowly, but it helped to fill in and much of it was used up in miscellaneous orders. Violets were none, but the prices were below the average for Christmas.

Plants of every description sold well and dealers were well supplied. Poinsettias were cleaned up early; these are more popular than ever. Holly was very scarce and none was obtainable the last few days. Other greens were in plenty. No complaints are heard, so it must have been a satisfactory Christmas all around. C.

DETROIT.—There never was such a variety of opinions as this season in regard to Christmas trade. From a large number of reports business was very good, while some say there was an increased number of sales, but of articles of less value than last year. Very good poinsettias, cut as well as in pots, sold well. Violets at \$4 per 100 were sold out late in the afternoon of the 24th. Carnations retailing at \$1.50 and \$2 per dozen were away behind the demand, while roses ranging from \$4 to \$20 per dozen for best American Beauty were just about in supply to go around.

Flowering plants and palms had a brisk call, and made-up baskets at from \$5 to \$20 also sold very readily. Prices all around were the same as last year, with a better demand for roses than one year ago.

Business since Christmas has been good, with a very limited supply of stock. F. D.

WASHINGTON, D. C.—No more favorable weather conditions could have existed than those prevailing during the holiday season in Washington this year. There was ample stock of good quality to meet all demands and though prices were about 25 per cent. lower than usual at this season, all stock was pretty well disposed of. In plants, baskets, etc. the chief demand was for small and medium grades; where \$15 and \$20 baskets sold readily a year ago, the demand this year was for those ranging from \$5 to \$15. Large azaleas proved undesirable, as a rule, but 500 plants of all descriptions sold readily. Among cut flowers carnations, violets, Richmond and American Beauty roses constituted the chief demand.

The season is averaging up very well, and promises to continue good on into the new year.

JAS. L. CARRERY

COVINGTON, KY.—R. D. Ruttle says: I can report my Christmas trade larger than last year's in spite of the scarcity of holly of which I was only able to get about one-third of my usual supply. Ferns and blooming plants sold better this year than last. Cut flowers held their own; not enough roses were to be had in the Cincinnati market for local trade, though the stock was good and fresh. Carnations were in fine condition and not pickled; I got all I needed. There were too many poinsettias, and few chrysanthemums; lilies were scarce; violets in fair supply.

One novelty we had was glass berry bowls—a live plant with red berries in a closed globe. This was much admired, but the price was too high. Small birch bark canoes filled with dyed green sea moss and red berries sold well. Paper bells were not in demand this year.

ST. PAUL, MINN.—While I have not seen all of the trade, still I think it is safe to say that everyone was well pleased with Christmas trade. The weather conditions were perfect, bringing out the shoppers and materially assisting in making deliveries. Stocks, as a rule, were of good quality and, except in red, equal to the demands. Plants, both foliage and flowering, sold well. Poinsettias, on account of their true Christmas color, were the best sellers both in the cut state and as plants. We did not hear of any made-up plants this year of poinsettias. Last year some were made up by cutting the short stem blooms, sticking them in pans of soil and disposing of them as plants. This is certainly bad practice.

Visitors: J. J. Karins, Philadelphia; C. W. Scott, Chicago; Charles Schwabe, New York. VERITAS.

BROCKTON, MASS.—Wm. W. Hathaway says: As to the Christmas trade this year, I can proudly say that it was on the right side of the ledger this season, as it ran a little ahead of last year's which, I think, is remarkable in view of the conditions of the money market and the short hours the shops are running. Plants sold nicely, azaleas, begonias, cyclamen and Whitman fern taking the lead, with prices about the same as those of last year. Cut flowers also sold well, carnations, roses, violets and Paper White narcissus being in the lead. Not enough carnations were available. Sweet peas and bulbous flowers generally held their own with last year's sales, and prices were about the same as then.

ASHLAND, VA.—J. Palmer Gordon reports his Christmas trade very good; carnations were in greatest demand among cut flowers, ferns leading in the plant line.

CHRISTMAS TRADE IN CANADA

TORONTO, ONT.—Business at Christmas was far better than in any previous year. Early last week trade started in lively and by Tuesday night both cut flowers and plants fit for sale were about cleaned up. Prices for fancy stock were perhaps not quite so high as in some previous seasons, but practically everything went. Flowers appeared to be plentiful, but on Tuesday afternoon some good orders from outside points were received, and then there was considerable hustling to get goods to fill them, and I heard of several that were not filled. The demand for flowering plants was very good, azaleas and poinsettias being the favorites. There was but little call for very cheap flowering plants, most of the retailers feeling that time was too valuable to handle them. There was a fine demand for holly and good holly wreaths, but the quality offered was generally poor. Mistletoe was first class and sold well. Moss wreathing was in over-supply, and at the last could be bought at any price. Some very fine European-grown holly trees were around; they were finely berried, but the price asked for them, and the fact that they cannot stand our winter, was against their being good sellers. The demand for made-up baskets of plants was brisk, and the same may be said of well-filled fern pans; there was also a good call for well-grown ferns, particularly of the Nephrolepis varieties. Clerodendron fallax, grown here for the first time, did not find favor, and very few berried plants were offered. A few small orange trees sold well, as did a few imported cicas. There were a few orchid blooms offered—Cattleya labiata, C. Triane, C. Percivaliana, Laelia anceps, L. albida, L. autumnalis, Cypripedium spectabile and Calanthe Veitchii. Several good vases of them were seen, and all sold. Since Christmas trade has been dull.

T. MANTON

OTTAWA. Christmas trade and weather were right up to the mark. Good sleighing and quite moderately cold weather made delivery of plants comparatively easy. The amount of stock was ahead of other years and with few exceptions was cleaned out. Scrim had a plant amon, the others, with large staves and conservatories attached to stores, did not need one. As everything sold it is difficult to pick out leaders, but perhaps azaleas, Boston ferns, Jerusalem cherries took the lead. It's wonderful how the Boston fern keeps ahead. From \$1 to \$1.50 was the popular price with the customers. The great number of plant baskets now filled take away from the sale of high-priced individual plants. There was a great rush for good solanums; Scrim had about 500 good ones, and they were all gone by Monday. Graham Brothers had a very fine lot of cyclamen which sold at from 75c. to \$2. Azaleas were a source of worry until the last. A big proportion were in, but some of the late shipments did not connect; \$1.50 was the popular price. If one plant could be said to go slower than others it was the polsetia.

The cut flower trade was very good, and the quality of stock from outside above the average. Carnations sold at from \$1 to \$3, the highest price being obtained for red. Roses were of fine quality; a large proportion had to be bought from outside, and the professional chat was, "What kind of Richmond did you get?" I took notice that the replies were "Grand from Boston, Chicago and Toronto." Not the old cry of poor, fair, passable, that we used to hear in the day of Meteor and Liberty. Prices were \$3 to \$4. Violets were good and sold well. Scrim and Graham Brothers had some fine W. H. Chadwick chrysanthemums, which came in very useful, as there was a big call for funeral flowers during holiday week.

So, although many had prophesied a poor Christmas owing to the financial disturbances, yet the trade was right up to the mark, and showed that in spite of the hard time cry the country is yet seemingly prosperous. E.

FREDERICTON, N. B.—Christmas trade far exceeded our expectations. We had predicted an exceptionally dull Christmas from our experience of the several weeks preceding, but our trade was equal to last year's, if not better. We had an exceptionally fine lot of cyclamen, poinsettias, azaleas, primroses and begonias, a few Gloire de Lorraine begonias, Pierson and Boston ferns. Holly all sold out. Several funerals, which called for designs, used up some pickled white flowers. The larger demand was, as usual, for carnations; next roses, violets and lily of the valley. Prices were better than usual, although stock in cut flowers was not quite so good. We were just able to supply the demand and thus pronounce the Christmas of 1907 as good as that of any of the preceding ones.

J. BEBBINGTON & SON.

REVIEW OF THE MARKET

NEW YORK.—The cut flower business suffered a decided setback immediately after Christmas, and prices on all lines went down again. American Beauty roses, on account of their not being so plentiful, held to their values much better than did other varieties. The supplies of Richmond, Bride, Bridesmaid and Mme. Abel Chatenay seem ample for all demands.

Carnations are very plentiful and satisfactory clearances are impossible, even at the moderate prices ruling. Violets, like everything else, are not bringing the usual January prices. Sweet peas are coming in in increased quantities, and fetch about \$1 to \$1.50 per dozen bunches.

Yellow tulips and yellow trumpet narcissus have appeared and no doubt will be regular arrivals in the market from now on. Gardenias are quite plentiful and it is difficult to realize satisfactory returns upon the short-stemmed blooms. Lilies not being so abundant and good keeping stock as a rule, continue to bring fairly good prices. Lily of the valley does not clear out well and there is a plentiful supply all the time. Cattleyas were never before so numerous and prices are down.

Chrysanthemums are over; they have had a long season, if not a satisfactory one.

CHICAGO.—As usual the aftermath has knocked prices down to the level of pre-holiday figures. Though New Year's Day is a legal holiday in this as well as most of the states that this market supplies, there seems to be little advance demand and most assuredly there will be ample stock to fill all requirements.

W. K. W.

PHILADELPHIA.—For New Year's the cut flower business showed an improvement; stocks were plentiful, but moved more freely. American Beauty roses were going slowly on Monday, but by 5 p. m. on Tuesday the price was up to \$9 per dozen with flowers scarce. Tea roses were selling well; \$12 to \$15 per 100 was the average price for general stock. The Pennock-Meehan Company, who are handling the new rose Mrs. Jardine from Robert Scott & Son, obtained \$4 per dozen for all the choice blooms sent in.

Carnations are selling well; \$10 per 100 was obtained for some choice red; general stock went at from \$4 to \$6 per 100. Violets went at \$1 to \$1.50 per 100. Lily of the valley is still very plentiful, selling at \$3 to \$5 per 100. Gardenias are in good demand at \$4 to \$6 per dozen. Japanese lilies have sold very well at from \$1.50 to \$2 per dozen flowers. Paper White narcissus bring \$2 to \$4 per dozen. Bouvardia is now very good and is selling at \$3 to \$5 per 100. Cattleya are still plentiful at from \$50 to \$60 per 100. DAVID RUST.

CATALOGUES RECEIVED.

W. W. BARNARD COMPANY, Chicago.—Illustrated List of Flower and Vegetable Seeds for Early Sowing.

SAMSON & FILLON, Angers, France.—General Catalogue of Seeds, Bulbs, etc., printed in the French language.

SLUIS & GOOT, Enkhuizen, Holland.—General Price List of Vegetable, Flower and Agricultural Seeds, including Novelties.

WILLIAM BULL & SONS, Chelsea, London, Eng.—Illustrated Catalogue of Vegetable and Flower Seeds, Bulbs, Tubers, etc.

JOHN FEED & SON, West Norwood, London, S. E., Eng.—Catalogue of Vegetable and Flower Seeds, Plants, Roses, Fruit Trees, Supplies, etc., illustrated.

DAVID HERBERT & SON, Atco, N. J.—Descriptive Catalogue of Dahlias. A very complete collection containing lists of novelties in all classes. Handsomely illustrated.

CHARLES H. TOTTY, Madison, N. J.—Catalogue of Chrysanthemums, Roses, Carnations, Geraniums, including all the best Novelties and Standard Varieties. The Chrysanthemum has been Mr. Totty's specialty for years, and he furnishes a long list of these plants to select from. He says stock of some varieties is, as usual, limited, and advises early orders. The catalogue is illustrated.

VICK'S GARDEN AND FLORAL GUIDE (James Vick's Sons), Rochester, N. Y.—A well illustrated and comprehensive Catalogue of Vegetable and Flower Seeds, Plants, Bulbs, Supplies, etc. Asters form a specialty of this firm, and on the front cover design are beautifully portrayed, in color, the varieties Early Branching Aster Rose, a novelty, Violet King and Mikado. The Big Boston Lettuce, Swastika Pea, and Vick's Scarlet Globe Radish, in color, have been selected for the back cover. The catalogue, as usual, is embracing in all its departments.

EVERYTHING FOR THE GARDEN (Peter Henderson & Company, New York). This, the sixty-second consecutive annual catalogue of this well known house is the handsomest issued by the firm, which is saying a good deal. Its beautifully embossed cover designs, in white and gold, with representations of "The Garden Beautiful," and "The Lawn Beautiful," in colors, render it at once attractive. The offerings in the many departments are, as usual, most complete and interesting; and the numerous and varied illustrations enhance the book to a marked degree. Among the colored plates shown this year are those of Henderson's Ponderosa Tomato, Henderson's Invincible Asters, which were awarded a gold medal at the Jamestown Exposition, a charming plate of the new Rose Cardinal, and groups of Chrysanthemums and dahlias.

CHANGES IN BUSINESS.

WOONSOCKET, R. I.—Vose, the florist, has opened a new store in the American block.

VINCENNES, IND.—Albert Zepf will erect on North First street a greenhouse and engage in the florist business. He was formerly employed with W. A. Heiman and at Joliet, Ill.

JACKSONVILLE, FLA.—A new floral firm has been established here by Herbert L. Sawyer and James H. Payne under the style of Sawyer & Payne, at 27 West Bay street. Mr. Sawyer for the past two years has been the manager for C. D. Mills, florist. James H. Payne is a popular stock broker, whose offices are in the Baldwin block.

New Violet Boston

IN introducing this new variety to the public I wish to state that I have been growing it in quantity for the past two years and do not hesitate to say that it is *entirely distinct*, a *strong grower*, a *free bloomer* and the *finest single violet in cultivation*.



Ready for distribution in April and May. Orders booked now.

\$12.00 per 100. \$100 per 1,000

WILLIAM SIM
CLIFTONDALE, - MASS.

ORCHIDS

We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices. Write us for information as to kinds and prices.

We have just received the following orchids: *Oncidium Tigrinum*, *O. Sarcoides*, *O. Forbesii*, *Sophranitis grandiflora* and *coccinea*.

LAGER & HURRELL, Summit, N. J.

Thousands of Orchids

In Sheath, Bud and Flower.

Write for particulars and catalogue.

JULIUS ROEHRS CO.
RUTHERFORD, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

Sander, St. Albans, England

and
235 Broadway, Room 1, New York City.

ASPARAGUS, BOSTONS, AZALEAS

PLEMOSUS, 2 1/2 in., \$3.50 per 100; \$30.00 per 1000; 3 in., 5 in., 6 in., 8 in., 10 in., 12 in., 14 in., 16 in., 18 in., 20 in., 22 in., 24 in., 26 in., 28 in., 30 in., 32 in., 34 in., 36 in., 38 in., 40 in., 42 in., 44 in., 46 in., 48 in., 50 in., 52 in., 54 in., 56 in., 58 in., 60 in., 62 in., 64 in., 66 in., 68 in., 70 in., 72 in., 74 in., 76 in., 78 in., 80 in., 82 in., 84 in., 86 in., 88 in., 90 in., 92 in., 94 in., 96 in., 98 in., 100 in.

LONG DISTANCE BELL PHONE, LACKLAND, TEXAS.
J. W. DUNFORD, Clayton, St. Louis Co., Mo.

ROBERT CRAIG & CO. ROSES, PALMS, CROTONS

CARNATIONS and Novelties
In DECORATIVE PLANTS

Market and 49th Sts. PHILADELPHIA, PA.

Could Have Sold More

OUR advertisement in *The Florists' Exchange* has brought us a great many orders from all parts of the country, and we have sold all our cyclamens that were ready.

Dec. 17, 1907 **RALSTON BROS.**,
The Allenhurst Nurseries
Allenhurst, N. J.

GERANIUMS, 2 1/2 in. fine stocky plants from August cuttings. **Nutt, Single and Double Grant**, \$2.50 per 100, \$20.00 per 1000. **Poltevine Hill, Vleud**, \$2.75 per 100, \$24.00 per 1000. **Cannas Dormant, Bouvier, Henderson, Antoine Crozy**, \$20.00 per 1000. Cash.
JAS. AMBACHER, WEST END, N. J.

THE WEEK'S WORK Timme's Timely Teachings.

Starting Anew.

Propagation to the fullest extent from now on and for months to come will hold the grower's interest and claim his undivided attention. Very much of what makes his prosperous line of business depends on the exercise of sound judgment in providing stock for the future. Deliberate forethought should govern his efforts in this direction and clearly defined purpose must point the way. Without this the greatest success in the rooting of cuttings, the starting of bulbs and the raising of seedlings may possibly turn out to be only so much more added to the burdens to be lugged through a wearisome path of profitless endeavor. Every one who is engaged in the production of plants and flowers for profit should from his own individual viewpoint and for the future welfare of his own particular business first find the right answer to the pertinent question of what to grow for the coming season's trade before he goes headlong into propagating anything and everything that bids fair to develop into full-sized plants.

This admonition is by no means a needless one, although it may appear so to the cautious, thoughtful grower at the head of a flourishing and wisely conducted establishment. Aimless mass-propagation of florists' stock is practiced to so great an extent that a word of warning in good season should not be looked upon as being superfluous or out of place. It is safe to say that thousands of plants, acres of indoor and outdoor flowering crops are raised every year that never yield a cent of clear profit; not referring at all to the vast quantities of stock perishing in consequence of unavoidable neglect or improper treatment.

The mere fact of having right and left throughout our houses an abundance of the finest, sturdiest material for propagation very often furnishes the only reason for putting into the sand thousands of quickly rooting cuttings of kinds that for years past are known never to have done any more than just bring back a new dollar for every old one expended in their culture, with a trailing of others which fall short of even that much in point of evening value. The propagation of still other kinds of stock, good though they are, knows no limitation, is continued as long as cuttings can be had, in spite of being already over-multiplied. The temptation to the sanest of propagators to avail himself

of what he has in such abundance and perfect condition right at home instead of risking cold cash for untried new stock, alleged to be better, or to put a halt to working up supplies of such of which he has already more than enough, is great and hard to resist, as everybody will admit. Then there is the hope, always uppermost in the mind of a good grower, that perhaps by giving this or that variety another good trial he might improve on it, make a profitable thing out of one barely worth raising so far. And another season's vain attempt will oftentimes not shake his conviction that good culture and change in methods are all that is required in overcoming its defects the next season.

Such persistent effort is laudable, sometimes highly fruitful in its final results, but not often, and at all times involving an amount of expense out of all proportion to the real returns. Cases of this kind assume an extremely grave appearance when it is known that one or several varieties, better in every respect than the one would ever be likely to be after years of painstaking effort, already existed and could easily be obtained right at the beginning at reasonable cost. While it would, indeed, be an unwise proceeding to discard any fairly well-paying variety or kind of stock for one possibly just as good and probably better, it is certainly folly to keep in stock any longer anything plainly not finding favor with buyers or proving doubtless unprofitable to the grower, when better things in his line of trade are begging at his door to be let in. There is not even need in every such instance to go into something entirely new, untried or high-priced, if there is anything of unquestioned merit commercially on the place deserving of more space and more extensive propagation to take up all the room vacated by discarded stock.

An immense number of stock plants are housed every Fall, which for want of light and room in starting furnish poor cuttings, and these after being rooted and potted up are suffered, for the same combination of reasons, to grow into stock of decidedly low grade, most of it destined to enlarge the dump pile. But that is not all. Some very antiquated varieties of cannas, fuchsias, geraniums, dahlias, chrysanthemums, salvias, etc., hard to dispose of even if ever so well grown, and long since displaced by others that sell at sight, are still grown extensively, undergoing mass-multiplication year after year, and all because it is there and believed to cost nothing.

The very best of florists and plants-

CHRYSANTHEMUM STOCK PLANTS

FROM BENCH

Timothy Eaton, Roslers, O. Tousef, Maad Dean, Robt. Halliday, Alice Byron, White and Yellow Bonaffon, Mary Mann, Yellow Jones, \$1.00 per dozen; \$8.00 per 100.

Mrs. George S. Kalb, Ivory, Estelle, Glory of the Pacific and Crema, \$1.00 per dozen; \$5.00 per 100. Cash with Order.

William Swayne, 101 1/2 Kennett Square, Pa.

Chrysanthemum Rooted Cuttings

MONROVIA, BEATRICE MAY, J. NOLAN, MAUD DEAN, and several others. Rooted Cuttings for February delivery, \$1.50 per 100; \$12.00 per 1000.

ANTON C. ZVOLANEK,
BOUND BROOK, N. J.

Chrysanthemum Stock Plants

Now Ready

Alice Byron, Clementine Tousef, White Polly Rose, Jerome Jones, Golden Wedding, Mrs. Coomba, White Star, October Sunshine, Halliday, Yellow Bonaffon.

In mixed lots, \$3.00 per 100; 75c. per doz.
J. E. Sambrook Co., - Berlin, N. Y.

CYCLAMEN

Splendens Gigantum Hybrids

This strain has no equal or better. Perfect flowers of Giant type from 4 in. pots, \$15.00 per 100; from 5 in. pots \$20.00 per 100.

Primula Obconica Grandiflora
The celebrated Ronsdorfer and Lattmans Hybrids in bud and bloom, 4 in. pots, \$10.00 per 100.

Cinerarias Hybrida Maxima Grandiflora
Well grown plants from 2 1/2 in. pots, \$2.50 per 100, 3 in. pots, \$4.00 per 100, 4 in. pots, \$8.00 per 100.

Asparagus Plumosus Nanus
From 2 1/2 in. pots, \$3.00 per 100, from 3 in. pots, \$5.00 per 100. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

men are not immune from falling into errors when stocking up anew and not exempt from penalty due to faulty judgment in seizing future possibilities and trend of trade, but they very seldom make the mistake of under-estimating the price of time and labor and the earning value of available garden, field and glasshouse space, and always find sufficient spare time to consider fully their future course of action before entering upon it.

FRED. W. TIMME

CATALOGUE OF NEW Chrysanthemums, Roses, Etc., for 1908

NOW READY.

I am headquarters for the new singles and the cream of the world's novelties. Send for a copy. It's yours for the asking.

Charles H. Totty
MADISON, N. J.

Clementine Tousef

500 stock plants, extra strong roots, of this peerless early white chrysanthemum at \$5.00 per 100; \$1.00 per doz.

THE H. WEBER & SONS CO., OAKLAND, MD.

ASPARAGUS SEED

PLUMOSUS
1000 at \$3.50 per 1000
5000 at 3.25 per 1000
10,000 at 3.00 per 1000

THE FLORISTS' EXCHANGE, Baltimore, Md.
Franklin and St. Paul Sts.

CHRYSANTHEMUMS

Miss Clay Frick (White Duckham), strong, stock plants, \$1.50 per dozen; Rooted Cuttings, \$1.00 per 100.

GERANIUMS, from 2 1/2 inch pots, S. A. Nutt and Bruanti, \$2.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

GARDENIA PLANTS SCOTTII FERNS

AND A GENERAL LINE OF

Decorative Stock

JOHN SCOTT

Ruiland Rd. and E. 45th St., Brooklyn, N. Y.

Rooted cuttings of all soft-wooded plants are in demand at this time by florists who do not propagate their own stock. Growers making a specialty of the rooted cutting business will find an advertisement placed in *THE FLORISTS' EXCHANGE* a very profitable investment.

New Carnation DEFIANCE

Mr. W. N. Rudd, Morgan Park, Ill.

Dear Sir: I wish to congratulate you on your splendid red carnation Defiance. I have for three seasons been using part of the cut at my two retail stores and it has made for me customers and money. Its keeping qualities are wonderful, its color pleasing and its form and fragrance are in keeping with its other good merits; its only drawback being the inability to secure enough blooms, as the local retailers all seem to want this particular variety.

Yours truly, GEORGE ASMUS.

\$12.00 per 100, \$100.00 per 1000.

Usual Discounts on Larger Orders.

JENSEN & DEKEMA, 674 W. Foster Ave., Chicago, Ill.

W. N. RUDD, Morgan Park, Ill.

FELTHOUSE'S GERANIUMS

None better, if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$18.00 per 1000.

- Beaute Poitevine, S. A. Nutt, Le Favorite, John Doyle, Richard Breit, Ricard, Brunetti, General Grant, M. Canovas, Jean Vland, Pasteur, Landy and several others.
- FUCHSIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.
- HELIOTROPE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.
- SALVIA BONFIRE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$2.00 per 100.
- COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.
- ROSE GERANIUMS, 2 1/2 in. pots, \$20.00 per 1000.
- AGERATUM, Stella Gurney, 60c. per 100 R. O.; 2 1/2 in. pots, \$1.00 per 100. Cash With order.

J. E. FELTHOUSE, Schenectady, N. Y.

GERANIUMS

- S. A. Nutt, Beaute Poitevine, Buchner, A. Ricard, 2 in. pots, \$2.00 per 100, \$20.00 per 1000.
- FEVERFEW, double white, 2 in. \$2.00 per 100. R. C. \$1.00 per 100.
- FUCHSIAS, 10 best varieties, 2 in. \$2.00 per 100. R. C. \$1.00 per 100.
- DOUBLE PETUNIAS, mixed, R. C. \$1.00 per 100.
- HELIOTROPES, R. C. \$1.00 per 100. Cash with order

ERNEST HARRIS, Delanson, N. Y.

GERANIUMS

- All the best varieties, out of 2 1/2 in., \$2.00 per 100; \$17.50 per 1000
- PETUNIAS, Deor's double fringed, 2 1/2 in., \$2.00 per 100.
- PRIMULA OBCONICA, 4 in., in bloom, \$5.00 per 100; 2 1/2 in., fine plants, \$1.50 per 100.
- BABY PRIMULAS, 4 in., in full bloom, \$5.00 per 100; 2 1/2 in., in bloom, \$1.50 per 100.

J. C. SCHMIDT, BRISTOL, PA.

Geraniums

- S. A. Nutt, 2 in. pots, now ready, \$20.00 per 1000.
- CHRYSANTHEMUM STOCK PLANTS
- WHITE, Alice Byroc, C. Touset, J. Jones, PINK, Maud Dean, Glory of the Pacific, Vivland-Morell, Dr. Enguehard, YELLOW, Col. Appleton, Robt. Halliday, Pennsylvania, Red, Black Hawk, 75c. per doz., \$6.00 per 100. Cash with Order.
- S. N. PENTECOST, 1790-1810 E. 161st Street, Cleveland, O.

GERANIUMS

- Transplants, pot grown. We send all the roots, but little soil. Nutt, Doyle, Dbl. Grant, Buchner, \$14.50 per 1000. Ricard, Pultevine, Perkins, Vland, Castellana, \$10.50 per 1000, P. Hlane \$2.00 per 10. In fine condition. Some limited. Write timely.
- Bedder, R. C., 60c. Plants 80c. per 100.
- GLADIOLI Fine Hybrids, blooming size, \$4.00 per 1000. Cash or C. O. D.
- DANIEL K. HERR, Lancaster, Pa.

GERANIUMS

all booked for JANUARY.
PETER BROWN, LANCASTER, PA.

CINERARIAS!

for Easter sales. Dwarf, giant flowered, all shades and colors. Cool grown, stock plants, 2 1/2 in. \$2.00; 1 in., \$3.00 per 100. Cash with order.
SHELLROAD GREENHOUSES, Grange, Baltimore, Md.

FRINGED Double Petunias

I have had the greatest success this season with my double hybrid Petunia stock, so I have an immense stock of over 40 fine new varieties in solid colors and variegated in every style.

Three Fine New White

- Per 100
- 3 in. pots, in variety.....\$5.00
- 2 in. pots, in variety.....2.50
- Rooted cuttings by mail.....1.25
- LANTANAS, 4 in. dwarf, rooted cuttings.....1.25
- BELLIS, (double daisy), 2 in.....1.50
- ABUTILON, R. C., six varieties, French dwarf.....1.50
- GAZANIA Splendens, R. C.....1.50
- CUPIEA, Cigar Plant, R. C......75
- HELIOTROPE, dark, from soil.....1.00
- WEeping LANTANAS, from soil.....1.25
- ASPARAGUS, Sprenger, 3 in., very strong.....5.00
- PETUNIA, Grandiflora, single in var. R. C.....1.25
- SALVIA, tall and dwarf.....1.00
- STROBILANTHES Dyerianus, R. C.....1.25
- GERANIUMS, Mme. Sallori, R. C.....1.50
- AGERATUM, 4 var......75

Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

J. L. DILLON

The Verbena King
Bloomsburg, Pa.

20,000 Cuttings taken each week from 60 choice varieties of Verbenas.

Rooted Cuttings 75c. per 100; \$6.00 per 1000.

Plants, \$2.50 per 100; \$20.00 per 1000.

A FEW GOOD THINGS YOU WANT

- Cash with Order.
- Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.
- Asparagus Sprenger, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.
- ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.
- Dracena Indivisa, 2 in., \$3.00 per 100.
- FERNS, Scottii, 5 in. 30c. each.
- Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellana, Poitevine and Vland, 2 in. pots, \$3.00 per 100. Rooted Cuttings, \$1.50.
- VINCA VAX, 2 in. \$2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Rooted Cuttings

- HELIOTROPE (dark) 60c. per 100; \$5.00 per 1000
- FINEST DOUBLE FUCHSIAS, 75c. per 100, \$6.00 per 1000
- NEW DOUBLE PETUNIA, The Queen. A fine bloomer, white mingled with purple, requires no staking \$2.50 per 100. SALVIA Zurich, new dwarf ever-blooming variety, \$2.00 per 100
- SALVIA Bonfire, 90c. per 100.
- AGERATUMS, S. Gurney and P. Pauline, 50c. per 100; \$4.00 per 1000
- GERMAN IVY, 50c. per 100; \$4.00 per 1000

Strong and well-rooted. Cash with order.
J. P. CANNATA, Mt. Freedom, N. J.

SELECT STOCK OF STRONG WELL ROOTED CARNATION CUTTINGS READY NOW

- Andrew Carnegie (Scarlet Harlowarden).....\$12.00 \$100.00
- Aristocrat, bright cerise.....6.00 50.00
- Winsor, pink.....6.00 50.00
- Beacon, orange scarlet.....6.00 50.00
- White Enchantress, pure white.....6.00 50.00
- Welcome, pink.....6.00 50.00

- Per 100 Per 1000
- Red Chief, Christmas scarlet.....\$6.00 \$50.00
- Rose Pink Enchantress.....3.00 25.00
- White Perfection.....3.00 25.00
- Enchantress.....3.00 25.00
- Caybreak Lawson.....3.00 25.00
- Victory, Scarlet.....3.00 25.00

CHICAGO CARNATION CO., A. T. PYFER, Mgr. JOLIET, ILL.

Selected Rooted Carnation Cuttings

- WHITE
- White Enchantress.....\$6.00 \$50.00
- White Perfection.....3.00 25.00
- The Queen.....2.00 15.00
- PINK
- Winsor.....6.00 50.00
- Rose Pink Enchantress.....3.50 30.00
- Enchantress.....2.50 20.00
- Lawson.....2.00 16.00
- RED
- Beacon.....6.00 50.00
- Victory.....3.00 25.00
- Flamingo.....2.00 18.00
- CRIMSON
- Harlowarden.....2.00 16.00
- Harry Fern.....1.75 15.00

All cuttings guaranteed clean and true to name.
B. F. BARR & CO., Keystone Nurseries, Lancaster, Pa.

CARNATIONS

- Rooted Cuttings
- 100 1000
- Winsor.....\$6.00 \$50.00
- Beacon.....6.00 50.00
- Mabelle.....6.00 50.00
- White Perfection.....2.50 20.00
- Queen Louise.....2.50 20.00
- Mrs. Lawson.....2.50 20.00
- Victory.....2.50 20.00
- Octoroon.....2.50 20.00
- Rose Pink Enchantress.....3.50 30.00

250 of a variety will be sold at the 1000 rate.

We are now booking orders for both Grafted and Own Root ROSES.

A. N. PIERSON, Cromwell, Conn.

ASPARAGUS PLUMOSUS, 2 in. \$2.00 per 100.

DRACENA INDIVISA. Seedlings, 50c. per 100.

STOCKS, Double white, 5 in. \$5.00 per 100.

REX BEGONIA, Mixed, 2 in. \$3.00 per 100.

ENGLISH IVY, 2 in. \$2.00 per 100.

GERANIUMS S. A. Nutt, Heteranthe, Gloire de France, \$2.00 per 100.

GERANIUMS MIXED VAR. \$1.75 per 100.

J. H. DANN & SON WESTFIELD, N. Y.

AMPELOPSIS VEITCHII

Strong well-rooted, transplanted, 18 to 24 inch tops, heavy roots, \$3.50 per 100. 10,000 well-rooted, 20 to 30 inch, \$2.50 per 100, \$20.00 per 1000. 1000 one-year seedlings, 12 to 24 inch, \$1.50 per 100, \$12.00 per 1000. In lots of 2000 and over, \$1.00 per 1000; fine for transplanting, packed free of charge. For fine samples by mail send 25c. in stamps.
Address, CHARLES BLACK, Hightstown, N. J.

GERANIUMS

- From 2 in. pots, Nutt and Grant, \$2.00 per 100; \$15.00 per 1000.
- CARNATIONS, R. C., Queen Louise, \$2.00 per 100; \$15.00 per 1000.
- Cash with order, please.
- JACOB KOL, EAST NUTLEY, N. J Walnut Street and Avondale Road

ROOTED Carnation Cuttings

- Ready December 26th.
- 100 1000
- 3,500 Pink Imperial.....\$6.00 \$50.00
- 11,000 Winsor.....6.00 60.00
- 7,000 Enchantress.....2.50 20.00
- 6,000 Victory.....2.50 20.00
- 4,500 White Perfection.....3.00 25.00

UNROOTED ready all the time. 1000
Winsor, Pink Imperial.....\$30.00
W. Perfection, Victory.....15.00
Enchantress.....10.00

FERNS—Boston, Scottii, Whitmani, 6 in. \$4. 0 per doz., 8 in. \$9.00 per doz., 10 in. \$12.00 per doz., 12 in. \$15.00 per doz.

LARCHMONT NURSERIES, Larchmont, N. Y.

CARNATIONS

F. DORNER & SONS CO. LAFAYETTE, IND.

- Per 100 Per 1000
 - White Enchantress.....\$6.00 \$50.00
 - Winsor.....6.00 50.00
 - Beacon.....6.00 50.00
- Healthy Rooted Cuttings.
- Scranton Florist Supply Co. SCRANTON, PA.**

CARNATIONS

Winsor, \$6.00 per 100; \$50.00 per 1000
White Perfection and Robert Craig, \$4.00 per 100; \$35.00 per 1000.
Harry Fern, Octoroon, Lawson and Patten, \$3.00 per 100; \$25.00 per 1000.
Macco, Fair Maid and Boston Market, \$2.00 per 100; \$15.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass

CARNATIONS White Enchantress R.

C; this stock originated with and grown by me is the very best, \$6.00 per 100; \$50.00 per 1000. Enchantress, light pink, \$2.50 per 100; \$20.00 per 1000. Lawson, \$2.00 per 100; \$15.00 per 1000. Lord, light pink, \$2.00 per 100; \$15.00 per 1000. Queen, white, \$2.00 per 100; \$15.00 per 1000. The Belle, white, \$2.50 per 100; \$20.00 per 1000.
Get your R. C. early and have blooms when others have none.
FRANK H. KIMBERLY 631 Townsend Avenue, New Haven, Conn

FIELD GROWN CARNATIONS

Heeled in cold frames, 250 Hill, 600 Joss, 1200 May Naylor, 100 Lawson, 1000 Prosperity, 100 Red Seedling. To close out at \$3.50 per 100, packed in moss. Cash with order. The lot for \$100.00.

E. R. SHERWOOD, NORWALK, CONN.

Commercial Violet Culture

PRICE, \$1.50
The FLORISTS' EXCHANGE, 2-8 Duane St, New York

NEW CRIMSON CARNATION HARVARD

THE color of this novelty is a very rich crimson. The blooms are of the finest as to size and quality and the habit is free and continuous, every shoot producing a flower with a calyx which we guarantee as non-bursting. Blooms borne on long, wiry stems from 24 to 30 inches and over. Price \$12.00 per 100, \$100.00 per 1000. Usual discount on large orders.

NEW CARNATION FAUST (BRILLIANT SCARLET)

This novelty very fine for commercial use, owing to its extreme productiveness; a fine one for Christmas trade. Color, form, stems, habit and productiveness all that can be desired. Price \$6.00 per 100, \$50.00 per 1000. Usual discount on large orders.

Address Orders to **JAMES D. COCKCROFT, Northport, L. I., N. Y.** **REMEMBER WE GUARANTEE SATISFACTION**

Standard Varieties

Strong, Healthy, Rooted Cuttings

	Per 100	Per 1000
Winsor	\$6.00	\$50.00
Rose Pink Enchantress	6.00	55.00
Enchantress	2.50	20.00
Lawson	2.00	15.00
Queen	2.00	15.00
Victory	3.00	25.00
Queen Louise	2.00	15.00
Red Sport	3.00	25.00
Patten	2.00	15.00

Rooted Carnation Cuttings

Queen \$18.00 per 1000, \$2.00 per 100. Lawson, \$18.00 per 1000, \$3.00 per 100. Enchantress, \$20.00 per 1000, \$2.50 per 100. Robert Craig, \$25.00 per 1000, \$3.00 per 100. Prosperity, \$18.00 per 1000, \$2.00 per 100. Boston Market, \$18.00 per 1000, \$2.00 per 100. Harry Fenn, \$18.00 per 1000, \$2.00 per 100. All Cuttings Guaranteed.

THE WORCESTER CONSERVATORIES, L. C. Midgeley, Mgr., WORCESTER, MASS.

JOHN E. HAINES

BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908:

John E. Haines, red Pink Imperial, pink \$6.00 per 100 Imperial, variegated Enchantress, light pink \$50.00 per 1000

Place orders early for December delivery.

Rooted Cuttings

CARNATIONS

READY NOW

None Healthier. None Better. Enchantress, Winsor, Pink, Red, White and Variegated Lawson. Write for Prices.

A. W. WILLIAMS, Highland, N. Y.

WHITE ENCHANTRESS

ROOTED CUTTINGS

\$6.00 per 100; \$50.00 per 1000.

E. SCHRADER,

NEW SPRINGVILLE, Richmond Borough, N. Y.

CARNATIONS

Rooted Cuttings

All leading varieties, for delivery after January 1, 1908. Fine Stock.

SMITH & GANNETT, - Geneva, N. Y.

CARNATIONS

	Per 100	Per 1000
Winsor	\$6.00	\$50.00
White Enchantress	6.00	60.00
Aristocrat	6.00	50.00
Beacon	6.00	50.00

December 15th or later delivery.

HENSEN & DEKEMA, 674 W. Foster Av., CHICAGO, ILL.

Cultural Directions

Are leaflets written by practical men especially for the use of amateur customers.

If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases.

(The leaflets embrace over forty subjects.)

We can supply them at \$2.50 per 1000, or \$50 for \$1.50, and can make a reduction of those prices on large quantities.

At a small extra cost we can put your imprint on each leaflet.

Try a thousand and see what a help they are in selling goods.

A. T. DE LA MARE PTG. & PUB. CO., Ltd.

P. O. Box 1697 - NEW YORK

Introducers and growers of carnations who supply the trade with rooted cuttings will find this a very favorable time for placing an advertisement in THE FLORISTS' EXCHANGE.

The New Carnation AFTER GLOW

— WAS AWARDED A —

GOLD MEDAL

by the Rhode Island Horticultural Society at Providence, Nov., 1907. (Exhibited by Wm. Nicholson)

FIRST PRIZE

by the St. Louis Horticultural Society at St. Louis, Mo., Nov., 1907. (Exhibited by E. G. Hill Co.)

SCORED

the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S., Jan., 1907, after arriving 24 hours late from Framingham, Mass.

ASIDE

from these honors, the fact that it has been grown successfully wherever it has been tried, is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation, for well grown, well rooted cuttings at

\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

WILLIAM NICHOLSON, Framingham, Mass.

The E. G. HILL CO., Richmond, Ind.

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.

R. WITTERSTAETTER, Originator, Sta. F. Cincinnati, O.

Rooted Carnation CUTTINGS

Cuttings are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

WHITE:	100	1000
White Enchantress	\$6.00	\$50.00
White Perfection	3.00	25.00
White Lawson and Queen Louise	2.00	18.00

PINK:	100	1000
Rosier and Aristocrat	6.00	50.00
Rose Pink Enchantress	3.50	30.00
Enchantress and Helen Goddard	2.50	20.00
Lawson	2.00	18.00
After Glow	12.00	100.00

RED:	100	1000
Beacon	6.00	50.00
Victory and Robert Craig	3.00	25.00

CRIMSON:	100	1000
Harlowarden	2.00	18.00

VARIEGATED:	100	1000
Mrs. Patten	2.50	20.00

Add \$1.00 per 100, \$10.00 per 1000 to above prices for 2 in. pot plants.

S. J. REUTER & SON, Inc., Westerly, R. I.

CARNATIONS

Rooted Cuttings; Fine Healthy Stock

	Per 100	Per 1000
Winsor	\$6.00	\$50.00
White Enchantress	7.00	60.00
Helen M. Gould and Beacon	6.00	50.00
Melody	4.00	30.00
Dahelm	3.00	25.00
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson	3.00	25.00

Have a few hundred in 4 and 5 in. pots of above varieties. Write for list.

ASPARAGUS

Sprenger, from 3 in. pots	\$5.00
Plumosus Nanus, from 2 1/2 in. pots	4.00

VERBENAS

Best Mammoth	Per 100 \$1.00	Per 1000 \$8.00
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MISCELLANEOUS

	Per 100	Per 1000
Ageratum, Cope's Pat, White Cap, P. Paulino, S. Gurney, L. Bonnett	\$1.00	\$8.00
Achyranthes, best varieties	1.00	8.00
Ampelopsis Valtchil, pot grown	8.00	
Coleus, best bedding and fancy sorts	1.00	8.00
Cuphea Platycentra	1.25	
Fuchsia, double and single	2.00	15.00
Feverfew, double white	1.50	12.00
Geraniums, best double and single	2.00	15.00
Heliopsis, light and dark	1.25	10.00
Ivy, German	1.50	
Moon Vine, true white	2.00	15.00
Salvia Splendens and Bedman	1.25	10.00
Five early flowering sorts	1.50	12.00

WOOD BROTHERS, FISHKILL, N. Y.

VICTORIA

NEW SEEDLING, crossed by Lawson and Harry Fenn, the color of Lawson and the long stem of Harry Fenn; it is more prolific than either. Lawson is past. Victoria is better than Lawson ever was, and gave us last Winter from 20 to 95 per cent. more blooms each month. It is very healthy and a nice grower. I have two houses of it, and it is a sight to see the buds and blooms. It brings more money in the market than Lawson. Read below what J. A. Budlong & Sons Company of Auburn, R. I., say of it. They are growing it this Winter. J. A. Budlong & Sons Company are one of the largest market gardeners in New England, also the largest rose and carnation growers in Rhode Island.

December 10, 1907. Mr. J. H. Cushing, Quindnick, R. I. Dear Sir: We have 1175 plants of your new seedling Victoria carnation which we planted in house the last of July. They

	WHITE	100	1000
Queen	\$1.50	\$12.50	
Perfection	3.00	25.00	
PINK			
Winsor	5.00		
Aristocrat	5.00		
Enchantress	2.00	15.00	
Rose Enchantress	3.00	25.00	

QUIDNICK GREENHOUSES

have made fine plants and we think now will produce as many flowers, if not more, than any carnation we ever grew. The stems are stiff and good length. The flower is also a good keeper.

We have sold these flowers in several instances to some of our best trade in Boston, who thought they were a long-stemmed Lawson.

Up to date, we have cut 4768 flowers from the 1175 plants, and there are as many buds in sight to-day as there have been any time since we started to cut. In other words, the cut has been very uniform and looks as if it would continue so throughout the Winter.

We do not think that you will make any mistake by putting this carnation on the market. Yours truly,

THE J. A. BUDLONG & SONS CO.

Price of Victoria rooted cuttings, \$75.00 per 1000; \$8.00 per 100; 25¢ at 1000 rate

ROOTED CUTTINGS

	WHITE	100	1000	RED
Red Chief				4.00
Victory				2.50
Robert Craig				2.50
Harry Fenn				2.00
VARIEGATED				
Mrs. Patten			2.00	17.50

J. H. Cushing, Prop., Anthony P. O., QUIDNICK, R. I.

New Carnation, PRESIDENT SEELYE

The unexcelled white; a seedling of MRS. T. W. LAWSON x THE QUEEN; now in its fourth year.

A large, well-formed flower, free and fragrant, easy to grow and does best in a temperature of 50 to 52. Calyx does not split.

Long, stiff stems from the start; a constant bloomer. Every cutting guaranteed well rooted and free from disease. The trade is invited to visit the greenhouses and see it growing.

\$10.00 per 100, \$75.00 per 1000. ORDERS Booked Now for JANUARY DELIVERY H. W. FIELD, - - Northampton, Mass.

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CARNATION ROOTED CUTTINGS

of high grade and can give prompt delivery. Pure WHITE ENCHANTRESS, BEACON, WINSOR, ARISTOCRAT, PINK IMPERIAL, \$6.00 per 100, \$50.00 per 1000. ROSE PINK ENCHANTRESS, WHITE PERFECTION, VICTORY, \$3.00 per 100, \$25.00 per 1000. ENCHANTRESS, M. A. PATTEN, HELEN GODDARD, HARLOWARDEN, \$2.50 per 100, \$20.00 per 1000.

Also all the best novelties of the season's introduction at the introducer's prices.

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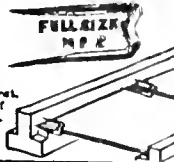
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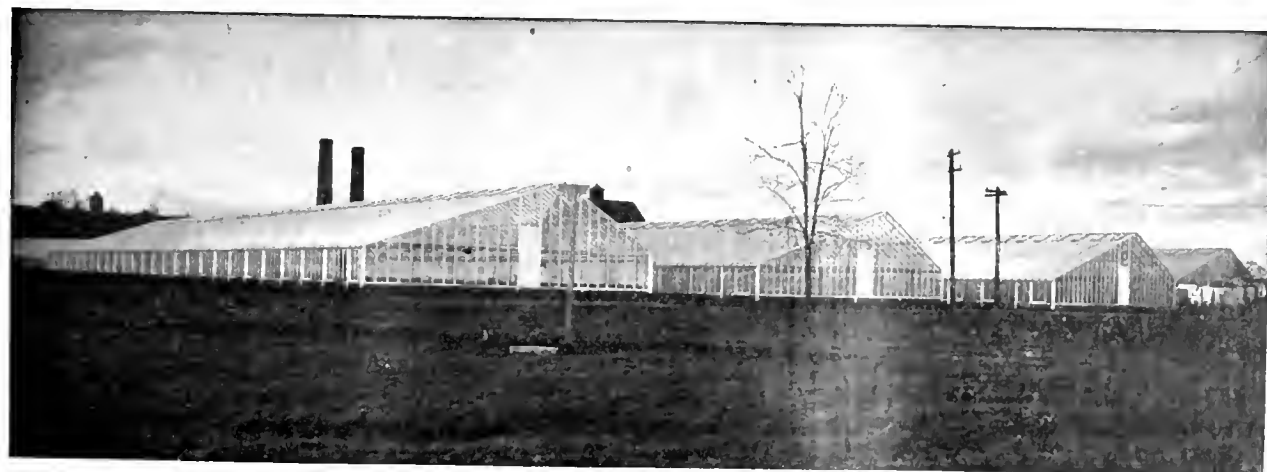
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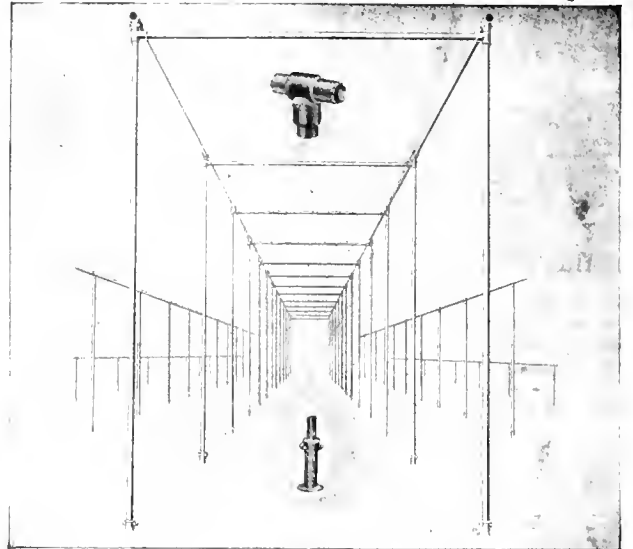
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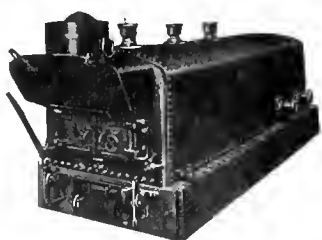
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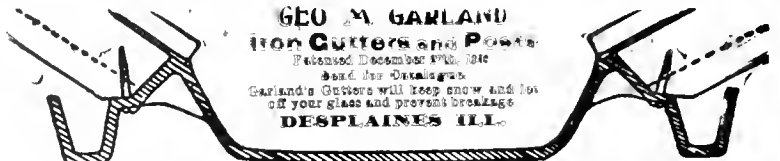
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 Now Ready for Delivery

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Strong rooted cuttings from sand, \$6.00 per 100, \$50.00 per 1,000. Extra strong transplanted cuttings from soil, \$7.50 per 100, \$60.00 per 1,000. Strong established pot-grown plants, \$9.00 per 100, \$75.00 per 1,000.

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Double tuberos root, giant flowered, 1 lb. \$1.25	Salvia Splendens, Clara Bohman (Dwarf) 1 lb. \$1.25
Veronica, new, better than Veronica, 1 lb. \$1.25	"Drooping Spikes" 1 1/2 oz. \$1.25
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Longfellow, dark pink 1/2 oz. \$1.25	Stocks, Large flowering, extra choice, mixed, 1 1/2 oz. \$1.25
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Labellia Crystal Palace Compacta, 1/2 oz. \$1.25	"White" 1 lb. \$2.50
Spodiosa for hanging baskets, 1/2 oz. \$1.25	"Purple" 1 lb. \$2.50
Emperor William, dwarf, 1/2 oz. \$1.25	"Pink shades" 1 lb. \$2.50
Bedding Queen, best dwarf, 1/2 oz. \$1.25	Stipula, on red ground line 1 lb. \$1.25
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New York Market, Packet about 1000 seeds 50c. 1/2 oz. \$1.00; oz. \$2.00	Dahlia, brightest scarlet 1 lb. \$1.25
Mimulus (Musk Plant), 1/2 oz. \$1.25	Dark blue with a white eye 1 lb. \$1.25
Pansies, Vaughan's international mixture, oz. \$1.00; 1/2 oz. \$1.25; 1 lb. \$1.50	
Vaughan's "Giant Pansy Mixture," 1/2 lb. \$1.00; oz. \$1.00; 1 lb. \$1.25	

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ALLIANCE. A Hybrid between a Zonal and an Ivy and which has retained all the good points of both parents, the beautiful soft finish of an Ivy and the hardy constitution of the Zonal; its color is the most exquisite shade of delicate lilac white, feathered and blotched crimson rose, flowers semi-double, habit dwarf; an ideal pot plant in every way. Strong plants from 2-inch pots \$1.00 per doz., \$6.00 per 100.

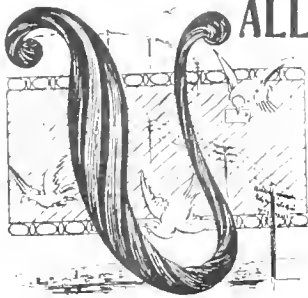
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For **DAHLIA ROOTS** and **MISCELLANEOUS STOCK** see issue of December 28th.

Visitors always welcome. Cash with Order.
 R. VINCENT, JR. & SONS CO., White Marsh, Md.

ALLEY PIPS FOR FORCING



- Perfection Pips, \$1.75 100, case 2000, \$26.00.
- Three Year Hamburg, \$1.25 100, case 2500, \$26.00.
- Spirea Japonica, \$4.00 100.
- Spirea Compacta, \$4.50 100.
- Spirea Astilboides, \$4.50 100.

WM. ELLIOTT & SONS, 201 Fulton St., New York

FOR IMMEDIATE SOWING

We can supply Fresh Seeds of the following
RAWSON'S MAMMOTH VERBENAS in splendid mixture of colors 3 oz. 30c. 1 oz. \$1.00
VINCA ROSEA, in Rose, Pure White, White with Rose Eye and Mixed 1 oz. 50c
SALVIA
SPLENDENS GRANDIFLORA 1/2 oz. 25c. oz. \$1.50 | **FIREBALL** 1/2 oz. 75c. oz. \$5.00
BONFIRE (Clara Bedman) 40c. 2.50 | **ZURICH** (Novelty 1907) \$1.25 8 00



KING OF CARPETS (Novelty 1908)
 Undoubtedly the best **SALVIA** for bedding: when the plant begins to flower, usually early in July, foliage and stem are entirely hidden by the massive display of flowers; grows only 18 in. high and is of the brightest scarlet.
 Per pkt 20c.
Sow Seeds Which Germinate. We Supply Them.
W. W. RAWSON & COMPANY
 5 Union Street Boston, Mass.

Landreth's Seeds

NONE are BETTER
 Try Landreth's Red Rock Tomato, the best Large Red Sort
 Wholesale price \$2.75 per pound.
 Or Shipper's Pride Cantaloupe, \$1.20 per pound.
BLOOMSDALE SEED FARMS, BRISTOL, PA.



GOLD MEDAL STRAIN
BEGONIAS

Tuberous Rooted

	Per doz.	Per 100
Single White.....	\$o 40	\$2 50
" Yellow.....	40	2 50
" Nanken.....	40	2 50
" Pink.....	40	2 50
" Rose.....	40	2 50
" Red.....	40	2 50
" Dark Red.....	40	2 50
" Salmon.....	40	2 50
" Orange.....	40	2 50
" Mixed.....	35	2 25
Double White.....	65	5 0
" Yellow.....	65	5 00
" Orange.....	65	5 00
" Rose.....	65	5 00
" Dark Rose.....	65	5 00
" Dark Red ..	65	5 00
" Red.....	65	5 00
" Salmon.....	65	5 00
" Mixed.....	50	4 00

CALADIUM ESCULENTUM Or **ELEPHANT'S EAR**

Size	Per doz.	Per 100
5x7 inch bulbs.....	\$o 36	\$2 00
" 7x9 " " ".....	48	3 00
" 9x11 " " ".....	85	6 00
" 12 inch and over bulbs.....	2 40	16 00

GLADIOLUS BULBS

Of the following varieties we have exceptionally large and choice stock.

	Per 100	Per 1000	Per 6000
America, 1st size.....	\$7 00	\$60 00	\$250 00
Augusta, 1st size.....	2 50	20 00	95 00
Brenchleyensis, 1 1/4 to 2 in. bulbs.....	1 50	10 00	47 50
" " " 1 1/4 to 1 3/4 in. bulbs.....	1 00	8 00	37 50
May, 1st size.....	2 00	15 00	
White and Light, 1st size.....	1 50	12 00	57 50
Special Mixed, extra large selected bulbs.....	1 00	8 00	37 50
Tuberose Excelsior Pearl, 4x6 1st size.....	9 00	40 00	

STUMPP & WALTER CO., 50 Barclay St., NEW YORK

You do not know what a
GOOD CROP OF MUSHROOMS
 is before you have tried my Spawn. Be sure to try my Spawn this season.
 Write me and I will send you free of charge valuable information on the subject.
FRESH SUPPLY OF SPAWN EVERY MONTH.

KNUD GUNDESTRUP Mushroom Specialist, 4273 Milwaukee Ave., **CHICAGO**

ROSES FOR IMMEDIATE DELIVERY

BABY RAMBLERS, from 5 inch pots—without the pots.....	Per 100 \$15.00
CRIMSON RAMBLERS, extra strong.....	\$12.00 to 15 00
H. P. ROSES.....	10 00
COCHETS.....	7 00

F. W. O. SCHMITZ, Prince Bay, N. Y.



ESTABLISHED 1802
 Send for our wholesale list of seeds for Florists and Market Gardeners, ready in a few days.

GLADIOLUS PRIMULINUS
 \$8.00 per doz.; \$60.00 per 100

PRIMULINUS HYBRIDS
 \$3.00 per doz.; \$20.00 per 100

J. M. THORBURN & CO.
 33 Barclay St., through to 38 Park Place, New York.
 Everything of the highest grade.

XXX SEEDS

VERBENA, Improved Mammoth, finest grown, mixed. 1000 seeds, 25 cts.
PHLOX Drum. pumila, very dwarf, grand for pots, fine colors. Pkt. 25 cts.
HARDY PHLOX, finest large-flowering dwarf vars. mixed. Pkt. 25 cts.
ALYSIUM compactum, most dwarf and compact var. grown; perfect balls when grown in pots. Pkt. 25 cts.
PETUNIA, Star Improved, from finest marked flowers, very fine. Pkt. 25 cts.
PETUNIA, Giant Single Fringed, large and fine. Pkt. 25 cts.
CHINESE PRIMROSE, finest grown, single and double mixed. 500 seeds \$1.00; 1/2 pkt. 50 cts.
CINERARIA, Large-Flowering Dwarf, mixed. 1000 seeds 50 cts.
GIANT PANSY, finest grown, critically selected. 5000 seeds \$1.00; 1/2 pkt. 50 cts.
CYCLAMEN Giganteum. 200 seeds \$1.00.
IRISH SHAMROCK, true. 1000 seeds, 50 cts.
MARGUERITE DAISY, Princess Henry, mammoth flowering, hardy, new, grand for cutting. Pkt. 25 cts.
ANTHRINUM, New Dwarf, fancy colors, exceedingly fine. Pkt. 25 cts.
LOBELIA Emperor William, finest grown. Pkt. 25 cts.
 Cash. Extra count of seeds in all packets.
JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES

The Chiffon Bands
 which we spoke about last week are exceptional in value. The prices are most unusual for qualities so good as these.

3 cents a yard 4 inches wide
4 cents a yard 6 inches wide
6 cents a yard 10 inches wide

In pieces of about 35 yards

Woven firm and evenly, smooth and lustrous. In colors and shades to match or blend with the wanted flowers and all foliage.

A Postal brings you Samples

The Fine Tree Silk Mills Company
 Philadelphia
 Office and Salesrooms: 806-808-810 ARCH STREET
 Address Dept. E, 52-54 N. EIGHTH STREET

Conway's White Branching Aster is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season till late. Considered by the leading florists to be the best and most profitable flower ever grown.
 Trade Packet \$1.00, Half-Ounce \$3.00, Ounce \$5.00
 Cash with order please
F. A. CONWAY & CO. - - **INDIANAPOLIS, IND.**

W. & D.'S SPECIALTIES FOR 1908
 Tomato, "The Don," best for forcing. Cauliflower, First and Best. Onion, Allie Craig. Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spawn, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready. Free on application.
SEED MERCHANTS
Weeber & Don, AND GROWERS
 114 Chambers St., NEW YORK

Lily of the Valley
FINEST BERLIN \$12.00 per 1000
Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
 37 EAST 19th STREET, Near Broadway,
 Tel. 4235 Gramercy NEW YORK CITY

NEW CROP FLOWER SEEDS READY

RHUBARB ROOTS FOR WINTER FORCING

LILY OF THE VALLEY, BEGONIAS and GLOXINIAS, HYACINTHS and TULIPS

for Easter forcing at half price

WRITE FOR FLORISTS' WHOLESALE LIST JUST ISSUED

JOHNSON SEED COMPANY, 217 Market Street, Philadelphia, Pa.

GLOSING OUT OUR SPIRAEAS

Japonica and Compacta, multicolora	Doz.	100
Astilboides floribunda	\$0.60	\$1.00
Superba	.75	1.25

"FRESH FERNSPORES." SEND FOR LIST. Our new Seed and Bulb Catalogue for Spring, 1908, ready during January. Send for it if your postman does not bring it.

H. H. BERGER & CO. 70 Warren Street New York

SEEDS - NEW STOCK

Begonia Vernon	Trade Pkt.	Oz.
Begonia Erfordit	.50	\$2.00
Candytuft Empress	.15	
Carnation Marguerite	.25	1.00
Centaurea Gymnocarpa	.10	.25
Cyclamen Giganthem in colors per 1000 seeds	\$1.00	
Lobelia Crystal Palace Comp.	.25	1.25
Mignonette New York Market	.50	5.00
Myosotis Victoria	.10	.50
Salvia Splendens Grandiflora	.25	1.00
Salvia Splendens Bonfire	.50	2.50
Stack Boston Market in colors	.50	5.00
Verbena Mammoth mixed	.25	1.00
Vilca Rosea and Alba	.10	.40

W. E. MARSHALL & CO. 146 West 23rd Street - - New York

Mushroom Spawm

the best Mushroom Spawm in the market, is sold by all leading seedsmen.

A fresh sample brick, enough for a small trial bed, together with large illustrated book on "MUSHROOM CULTURE," will be mailed postpaid on receipt of 40c. in postage stamps. Address American Spawm Company, St. Paul, Minn.

"Quality is remembered long after price is forgotten." What Quality Means.

Quality means the best and finest types procurable in their respective classes. We go to specialists for our flower seeds. Our customers, the florist, the private gardeners demand the highest grade. We have no cheap catalogue trade. "Quality" may mean a little higher in price. "Quality" in fact, means "Quality" and we know that when you buy from us you get it, and our customers know it, too. Catalogues now in press; 40 pages. Write for one; it's free. We sell bulbs too.

ARTHUR T. BODDINGTON, SEEDSMEN, 342 West 14th St., NEW YORK

NEW CROP FLOWER SEEDS

Verbena Mammoth, in colors or mixed, 1/4 oz. 30c, oz. \$1.00.

Salvia Splendens, 1/4 oz. 35c, oz. \$1.25.

Salvia Bonfire, 1/4 oz. 75c, oz. \$2.50.

Lily Valley, Early Forcing, to close out, per 1000, \$11.00.

Fresh Tobacco Stems, Bale of 300 lbs. \$1.50.

W. C. BECKERT, Pittsburg, N. S., Pa.

BURPEE'S SEEDS PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

Cyclamen Superb English Strain

Second to none in size of flowers

Giant Crinon
" Pink
" White
" White with Claret base.
" Mauve.
" Sidmon Queen.
" New Fringed.

100 seeds \$1. 1000 seeds, \$9.

H. E. FISKE SEED CO. 12 and 13 Faneuil Hall Sq., BOSTON, MASS.

PANSIES THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500. PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

E. B. JENNINGS, Lock Box 254, SOUTHPORT Conn. Grower of the Finest Pansies

CHOICE GERMAN FLOWER SEEDS

Wholesale catalogue free on application.

FRED ROEMER, Seed Grower QUEDLINBURG, GERMANY

C. C. Morse & Co. SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.

ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES

Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Gilroy

S. M. ISBELL & CO. JACKSON, MICH. CONTRACT SEED GROWERS

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence Solicited

Write for Prices on Surplus Stocks for Immediate Shipment

ROSES

Hybrid Perpetuals, 1 in. pots, \$30.00 per 1000

Annie Mueller, all sizes. Prices on application

ATHENIUM PLEICATUM for transplanting, 1/2 in. pots, 5 to 10 inches, \$2.00 per 100

HYDRANGEA P. G., for transplanting, 8 to 10 inches, \$2.00 per 100

DAHLIAS, large clumps, \$1.00 per 100

MADAM PLANTIER ROSE, extra strong, 1/2 in. pots, \$2.00 per 100

CRIMSON RAMBLERS, all sizes

PRIVET and HYDRANGEA CUTTINGS. Prices on application

THE ELIZABETH NURSERY CO. ELIZABETH, N. J.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

"The Culture and Uses of Bromegrass," is the title of bulletin 111 of the Bureau of Plant Industry, just distributed by the Department of Agriculture, Washington, D. C.

IOWA SEED COMPANY IS OPTIMISTIC.

—Writing on November 27, 1907, to Agricultural Advertising, the Iowa Seed Company, Des Moines, says:

"Most assuredly we are optimistic. Why shouldn't we be? Our trade is as good as we can expect for this time of the year. Our mail and local sales during October of this year were 16 per cent more than sales during the same month of last season. Our mail and local sales for November up to this date are 23 per cent more than during the same time last year. It is true that the wholesale trade is not up to that of the previous year, but this is doubtless owing to the financial condition. Our experience is that no one is scared except the bankers and the speculators. Business men doing a legitimate trade have had a favorable season. The farmers are the most prosperous that they have ever been and we believe that they will spend fully as much money during the coming season as usual."

[We should be pleased to be favored with the views of other seed houses for publication.]

IMPORTS OF SEEDS, ETC.—January 1.

—Vaughan's Seed Store, one case bulbs; J. M. Thorburn & Company, 13 packages seed; F. B. Vandegrift & Company, 133 packages plants; H. Frank Darrow, 186 packages seed; L. J. Spence, 520 packages seed; McFutchison & Company, 43 packages plants. January 2.—Kraemer & Foster, one case plants and bulbs; H. Frank Darrow, one case bulbs; Maltus & Ware, two cases plants, 13 cases shrubs; J. M. Thorburn & Company, eight bushels seed, one case seed. January 3.—W. Elliott & Sons, one case seed; F. R. Pierson Company, one barrel seed; Weeber & Don, one barrel seed; T. Meadows & Company, two cases bulbs. January 3.—Thos. Meadows & Company, two cases bulbs; Wm. Elliott & Sons, one case seed; F. R. Pierson Company, one barrel seed; Weeber & Don, one barrel seed; T. W. Turner, 47 cases seed. January 1 and 5.—Peter Henderson & Company, five packages seed; Luhn & Fink, 15 bags seed; Murray Nickel Manufacturing Company, 235 packages seed, etc.; Julius Roehrs Company, two cases plants; J. M. Thorburn & Company, one case seed; J. Ter Kulte, 30 cases bulbs; Vaughan's Seed Store, 20 cases seed; Kennedy & Moon, 78 bushels garden seed; R. J. Godwin's Sons, 84 packages garden seed; J. W. Hampton, Jr. & Company, four packages seed, etc.; Maltus & Ware, 13 cases plants; Rooney & Spence, one case plants; C. B. Richards & Company, 22 packages trees, etc. January 6.—H. Frank Darrow, 105 packages seed; Peter Henderson & Company, 19 packages seed; J. R. Roosa, 43 packages seed; F. B. Vandegrift & Company, 33 packages seed, etc.

VICK'S ASTER SEED THE STANDARD OF EXCELLENCE

Vick Quality ASTERS

INTRODUCED BY US GROWN EVERYWHERE

Vick's Branching (8 colors)
Vick's Snowdrift
Vick's Royal Purple
Vick's Lavender Gem
Vick's Daybreak
Vick's Purity
Vick's Sunset
Vick's Mikado
Vick's Cardinal
Vick's Violet King

HOW TO GROW ASTERS, Revised Full of information for Aster Growers. Price 10c. Free with an order of Aster seed.

FLORISTS' NOVELTY COLLECTION

Six of our latest introductions including Sunrise (New) and Early White Branching (New). Price
Vick's Early White Branching \$0.25
Vick's Imperial Aster Sunrise .25
Vick's Violet King .20
Vick's Cardinal .25
Vick's Lavender Gem .25
Vick's Rosy Carmine .25
How to Grow Asters .10
\$1.55

All of the above, including our "Aster Book for Florists" for 90c.

SEND FOR OUR NEW Illustrated and Descriptive Aster Book for Florists

It describes in detail, not only the varieties originating with us, but also all other leading sorts.

The largest and handsomest work of its kind ever issued.

Intended only for wide-awake florists who appreciate the fact that

The Best Quality is Always the Cheapest

Mailed free upon request.

JAMES VICK'S SONS ROCHESTER, N. Y.

The Leading Specialists and Largest Growers of High-Grade Asters in the World.

Two New Varieties for 1908

VICK'S IMPERIAL SUNRISE

A novelty of extraordinary merit. Seedling from Vick's Daybreak, but distinct in form of flower, each petal being perfectly quilled. Color, delicate pink. Plant a robust grower, upright branches, each crowned with magnificent double flowers, three to five inches in diameter. Type securely fixed. Sure to be a winner. Packet 25c; two packets or more 20c, each.

VICK'S EARLY BRANCHING

Developed from Vick's Late Branching. Flowers of this new variety can be placed on the market ten days ahead of Late Branching sorts. Plants have few branches which are free from side buds, the whole strength of the plant being given to the development of large perfectly double flowers. Long stems. Two colors, White and Rose. Packet 25c; two packets or more 20c, each.

For prices in quantity see our "Aster Book for Florists."

OTHER FAVORITE VARIETIES

Hohenzollern Early	Hohenzollern Late
White Fleece	Early Wonder
Empress Frederick	Giant Comet
Sempie's Branching Pink	Queen of the Market

For prices see our "Aster Book for Florists."

Seed Trade Notes.

Every branch of the seed business is rapidly assuming a strong activity, which will in fewer days than many of us realize, push us, ready or not, into the rush of the selling season of 1908. As I said some weeks ago, the seed catalogues, especially of the larger houses, are coming out and being distributed into the hands of the customers much earlier than ever before. In fact, Burpee's and Henderson's superb catalogues have been out almost a month, and Thorburn's some two weeks; and all the others will now follow rapidly day by day. I will here take just a line to speak of the real elegance of the three standard American seed catalogues now mentioned. Every reader of 'The Florists' Exchange' can very profitably spend not minutes but hours in absorbing all that is grandly good in each of these magnificent seed books. The conservative conscientiousness of the Thorburn catalogue must be studied, and earnestly, to be fully appreciated; the gorgeous splendor of the Henderson book is most impressively grand; and by no means last is the Burpee personality, as stamped on one of the most elegant seed publications of the year. One can afford to study all three of these catalogues, and thereby imbibe the right doing of the seed business that is in them.

Appropos of doing our seed businesses rightly, I was very much interested and most agreeably impressed, when in Boston this week, by the extensive and thorough preparations for conducting a seed business that the Haskell Implement & Seed Company is making at 21 and 22 South Market street, in that city. This firm is not new to the trade, as it has for a great many years been conducting an extensive seed and kindred line at Lewiston, Me. In Boston, this firm has been able to secure, many will say, perhaps the best location in the whole seed section, for its new venture. A whole building will be occupied, with the retail salesroom on the street floor, where the modern and elegant plate glass windows will attract surely a good volume of Boston's ever-increasing transient counter cash business. I wish this new firm in the Boston trade every success; if it puts out only the very highest grade of seeds it will in time obtain its full share of the Boston business—and not otherwise.

The very mild weather for the season that has and still so agreeably and persistently continues, seems to have given the Holland bulb trade a new lease of life. All bulbs that do well in the window garden have during the past month or more been in very active request; in fact, hyacinths and those bulbs especially that can be grown in water, have sold very nearly as well for this purpose, some houses claim much better, than at any time during the regular bulb season. The bargain bulb hunters are still with us, but they find little to repay them for the time taken in hunting bulb surpluses; for, in fact, there are now no real surpluses in any direction. It has most certainly been a very satisfactory season for all handlers of Dutch, French and Japanese bulbs.

Some weeks ago I stated that almost all the Japanese bulbs were so late in being received in this country this past Autumn that very few shipments of them could be made until Spring again; but so comparatively mild and steady has been the prevailing temperature that many lots of Japanese bulbs and roots are being delivered every day which will relieve the always over-rushed active Spring business just so much. Of course, the most careful packing to keep the bulbs from freezing in transit has been necessary; but even the labor of this is preferable by far to adding all these orders to the unable to handle rush of the coming four months.

As regards the disclaimer of crop responsibility, as printed on seedsmen's packets and bags, and approved by the American Seed Trade Association, it is certainly a cause for satisfaction among the entire seed trade that the recent Baltimore seed house case was decided by a jury in favor of the seedsmen. But the other side to this matter is this: The seed trade as a whole should see to it that no irresponsible seller of seeds takes advantage of this protection and under cover of it distributes seeds of doubtful quality. The seed planter has just as much right to be protected as the seedsmen.

Among the ranks of our trade there have been an unusually large number of

deaths lately; but out of them all not one approaches in sadness and sorrow, the untimely death by fire of John Clark, his wife, and his three children. Mr. Clark at the time of his death was with the H. E. Fiske Seed Company, Boston, Mass. All have read the full reports of this tragedy; I wish to take just a line to speak of John Clark as I knew him in his daily life. The deceased was absolutely square and honest in all his dealings, a thorough seedsmen, and a true friend to all who knew him, no matter how slightly, and such were legion. I have nothing but good to say of my dear old friend, John Clark, and I know that the seed trade as a whole, who knew him, will grieve sincerely for his untimely death.

Another very sudden death that came last week as a great blow to the seed trade was that of Everett B. Clark, Milford, Conn. In all America no seedsmen was ever held in higher esteem than the deceased. For many decades Mr. Clark had been recognized as the highest authority on sweet corn in this country; and as president of the trusted seed growing corporation that bears his name was universally respected by all whose good fortune it was to have known him. Mr. Clark's death has come upon us so very suddenly that as yet we realize little the great loss the American Seed Trade has thereby sustained. But let us profit if we can by the splendid qualities for good that made him so well beloved by all. It makes me sad, indeed, to feel that Mr. Clark will no longer be with us; we can ill afford to lose such men.

European Notes.

The music of the Christmas bells has brought us a full week of fine dry weather, bracing both to body and mind and especially helpful to our belated seed crops. If it only lasts for one more week, the harvest of 1907 will be completed before New Year's Day and our shipments may yet arrive in good season.

Unfortunately some serious accidents have befallen some of the Atlantic cargo steamers, which cause not only loss but vexatious delays. The losses are all the more serious because many articles cannot be replaced.

The slump in the value of European onion seed continues and such varieties as White Spanish (jamne paille) are freely offered at 50 per cent. below the early November prices. The German varieties are dropping in value daily, but Italian Silver White earliest strains are advancing, owing to some heavy orders from your side. The red fleshed varieties are firm all round.

The European markets are being flooded with offers of heavy surpluses of nasturtiums from the lowland districts, but the germination is weak and will soon perish. Some firms report a great falling off in the demand from your side. There may be some truth in this, but it is not the principal cause of the heavy losses which some speculating growers of this article will sustain this season. Some greedy lunatic hears that a grower has made 25 per cent. profit on 100 pounds of seed and he forthwith grows 10,000 pounds, hoping for the same results. And then—"there comes a frost."

EUROPEAN SEEDS.

EUROPEAN CLOVER AND GRASS SEEDS.—R. Liefmann Sons, Hamburg, Germany, through their agent, J. L. Radvanyer, New York, report that the crops of red clover have now been estimated, but that the quantity in Europe does not approximate that of last year. The crop of Great Britain is a total failure, and that country will have to import its supplies—estimated at from 6,000 to 7,000 tons. The arrivals from Chili amount to about one-half of last year's. Austria-Hungary has harvested on the average less than a medium crop, a large part of which has already been consumed, principally by England and Germany. The crop in Germany has also been over-estimated; only a quarter of an average crop in that country can be calculated upon. Belgium and Holland will have to import, the crop results in both countries being rather unsatisfactory. It is expected that France will have to import seeds later on. Italy has a small medium crop. As regards the Russian supply, Central Russia has nothing to spare; the North has been compelled to buy from the South, which latter district can only dispose of seed for the export trade

and the supply of domestic wants. America and Canada have bought considerably less than last year; the demand is not now as brisk as it was at the beginning of the season, possibly owing to the precarious state of the money market. The prices have declined from about one-quarter to one-half a cent.

As regards alfalfa, a large part of the crop has been spoiled by rain, which set in just before harvest time. Prices have advanced considerably. Turkestan has also yielded a much worse result than last year, with a consequent advance in prices. Alsike has also suffered by the rain, much of the seed having a bad appearance. Germany will, therefore, have to import to a much larger extent from America and Canada. The European supply of timothy is apparently smaller than last year, and qualities in many cases are dark, only a few being silvery-colored. Large quantities were purchased from America recently. The firm's crop of cocksfoot is small, the Australian crop being also limited; prices, therefore, have advanced rapidly. There is a feeble business as yet in red-top grass, but it may become brisker

TUBEROUS BEGONIAS

Single Flowering | Large bulbs, per 1000, \$9.00
| Small bulbs, per 1000, 5.00

Double Flowering | Large bulbs, per 1000, 15.00
| Small bulbs, per 1000, 8.00

GLONIXIA, large bulbs, per 1000, \$16.00; in separate colors

ALB. TABOUREAU

Plants and Bulbs GHEENT, BELGIUM

DAHLIA ROOTS

Strong field grown, all good cut flower varieties. Also KALMIAS and other native plants.

J. M. BASSETT, Hammonton, N. J.



A. Mitting

Calla Lily Bulb Co.

WHOLESALE

17 to 23 Kennan Street

Santa Cruz, Cal.

U. S. A.

DAHLIAS

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. PEACOCK, Inc.
ATCO N. J.

Finest Lily of the VALLEY EXCELLENTA

the very finest Valley for particular florists, \$12.00 per 1000.

JOHN SCHEEPERS & COMPANY
4 & 6 Old Slip, NEW YORK CITY

BARGAINS!
BARGAINS!

In Fine Condition

Astilbe Gladstone \$3.00 per 100.

Astilbe Compacta \$3.00 per 100.

Astilbe Alexandra \$2.75 per dozen.

MOORE & SIMON, Bulb Importers,
339 Market Street, PHILADELPHIA, PA.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM
BERLIN, N. Y.

Stokes Standard Seeds.

I am a MARKET GARDENER'S SEEDSMAN. Send me in your list of wants for next season. You will like my stocks and my prices. Wholesale list ready.

Stokes Seed Store.

219 Market Street, PHILADELPHIA

Honest Seed at Reasonable Prices

What your garden will yield all depends upon the seed you plant.

GREGORY'S SEEDS

are known everywhere as the standard for purity and vitality.

We offer this year two New Horticultural Bush Beans—tremendous croppers and rust proof. Send for our free catalog. J. J. H. GREGORY & SON, MARLBOROUGH, MASS.

ASPARAGUS SEED

PLUMOSUS

1000 at \$3.50 per 1000
5000 at 3.25 per 1000
10,000 at 3.00 per 1000

Maryland Grown Valley

PIPS \$5.00 per 1000
CLUMPS 6.00 per 100

Fisher Carnations

\$10.00 per 1000

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BULB GROWERS
FORMERLY OF ETRICKS, VA.
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NORTH SIDE, HIGHLAND PARK
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Gladiolus "America"

FOR FORCING

Strong bulbs, \$60.00 per 1000.
Florists' white and light, mixed,
\$12.00 per 1000.

Iris Kaempleri, named, \$50.00 per 1000.

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Phoenix Roebelenii, 2 inch pots,
\$7.00 per 100.

Phoenix Roebeleni seedlings, \$4.00 per 100.

Lilium in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.

Your Money is well spent when you
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THE FLORISTS' EXCHANGE

later on. Tall meadow oat grass is a small crop, and prices are the cheapest in proportion to those of other grass seeds. Of Bromus inermis there is an average crop, but the quality is inferior to that of last year.

The Bolgiano Seed Case.

J. Bolgiano & Son, seedsmen, Baltimore, Md., have favored us with copies of the ruling of Hon. Judge Harlan in the recent Chinese giant pepper seed case decided in favor of the firm named; and also of the prayers of the defendants and plaintiffs. These various documents are published herewith, as we feel sure they will be of great interest to the American seed trade generally.

Opinion as to the Admissibility of Proof on Question of Usage and Custom.

BY THE COURT: Gentlemen, I feel very much indebted to Counsel for the manner in which the case has been presented. I have not had the opportunity to make an examination of all the cases that have been cited, but I have tried, as well as I could, to follow the decisions as they have been read, and after having examined with a good deal of care some of the cases that have been cited, and, I believe, the whole run of the Maryland cases with reference to the admissibility of Usage and Custom, I feel I ought, without further delay, and in order to go on with the case, to decide now the question that has been raised, and that question is as to the Admissibility of Usage and Custom in this case, under any aspect of the case or for any purpose.

As I understand it, the offer of proof is made generally and if the evidence is admissible for any purpose in the case it would not be proper at this time for the Court to exclude it, whatever it might be proper for the Court to do hereafter in the way of limiting the effect of the evidence when it becomes necessary to give instructions to the jury.

It, according to the contention of the plaintiffs, the contract between these parties was absolutely closed as to all its terms and conditions by the letter of July 11 and if thereby there was made a contract by which the defendants agreed to ship to the plaintiffs by mail a pound and a half of Chinese Giant pepper seed, and if, as a necessary result of that contract, when the Chinese Giant pepper seed agreed upon was not shipped, the defendants would be responsible to the plaintiffs for the difference between the value of the crop, which might probably have been produced had Chinese Giant pepper seed been sent and the crop which was produced by the seed that was shipped, I would say that this evidence was not admissible. But, in my judgment, that letter does not close the contract, and is not an acceptance of the offer made by the plaintiffs to the defendants; on the contrary, the letter of July 11 from the plaintiffs was itself the offer to take a pound and a half of Chinese Giant pepper seed, and no contract was made until that offer was accepted by the defendants.

It, therefore, becomes necessary for the Court to consider what else there was as to an acceptance, and what bearing this evidence now offered, if introduced into the case, might have upon that question. I take it, to paraphrase the letter into an offer, that if the plaintiffs had written to the defendants, "we offer you two dollars and a half and the postage for a pound and a half of Chinese Giant pepper seed, to be sent to us by mail," and the defendants had written back, "we accept your offer and mail you the seed, but we cannot warrant that these seed will produce Chinese Giant peppers, or that they will fructify and produce a good crop, and if you are not willing to use the seed with that understanding you can return them, and we will return you your money," and the plaintiffs on receiving a letter of that kind had used the seed, that then although they might claim under the doctrine that there was an implied condition that the seed supplied would answer the description of the seed asked for, and that under that doctrine there was a breach of the contract, the rules of law would not allow them to recover anything more than the ordinary damages which are allowed upon the failure to deliver a thing which has been ordered, which is ordinarily the difference between the market value of the thing asked for and the market value of the thing which was supplied.

When the case of the plaintiffs was first presented and the defendants asked me to say there had been a fatal variance between the contract declared on, and the contract proven, they virtually said the acceptance was by the sending of a package marked "Chinese Giant pepper seed," and containing upon the bag or package the substance of the language which, as I have said, if put in a letter, I thought would bind the plaintiffs. I refused to so rule, and did so for this reason: of course, contracts are made by the meeting of the minds



Ageratum

	Trade Pkt.	Oz.
AGERATUM Blue Perfection, best dark blue	\$0 15	\$0 50
Cope's Pet, light blue	15	35
ALYSSUM Little Gem (Carpet of Snow, very dwarf	10	30
ASPARAGUS Plumosus nanus, (true) greenhouse grown, \$1.50 per 1000 seeds, \$20.00 per 5000 seeds.		
Sprenger's See, per 1000 seeds, \$3.00 per 5000 seeds.		
BEGONIA semperflorens Gracilis, rose	25	
semperflorens Vernon, red	25	
CANDYTUFT, Empress, white, extra select stock	10	20
CARNATION Marguerite, finest mixed	20	60
Marguerite, Giant mixed	30	150
Chabaud's Everblooming, mixed	30	150



Lobelia

of the parties; they must both agree to the same thing. But we gather the meaning of people from what they say, and from what they do. And if the thing which a man says, or does, ordinarily means a certain thing, that is the meaning which the law attaches to it, or the meaning, at least, which the jury is authorized to attach to it. And when the case stood only upon the facts that the parties had been dealing by letters, and that when the letter of July 11 was received there was no reply by a letter, and the defendants changed the method of communication and sent a package and put on the back of the package the alleged disclaimer in language so small that it was almost analogous to the case of the Roman Emperor who wrote his laws so fine, and put them up so high the people could not read them, there being no evidence that the defendants knew anything about such a use of the alleged disclaimer, it did not seem to me that the Court could say as matter of law that that language or that disclaimer became a necessary part of the contract, or that the plaintiffs in the case were bound to take notice of it.

But the offer of proof now is to show, according to my understanding of it, that there is a general custom among seedsmen to mark their packages in that way, that the same disclaimer appears in the catalogues of all seedsmen, and that a copy of the defendants' catalogue containing that disclaimer was sent to the plaintiffs, and not only was that the case, but at the same time the package

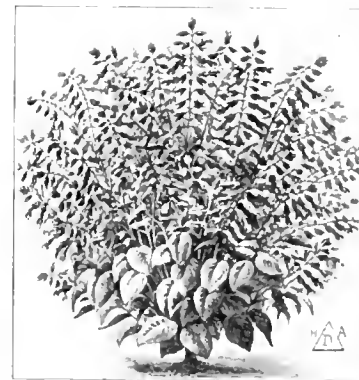
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	Trade Pkt.	Oz.
CENTAUREA Imperialis, (Royal Sweet Sultan), in white, rose, lavender, purple, blue, etc., each	\$0 15	\$0 50
Candidissima, white leaved	25	1 00
Gymnocarpa, white leaved	15	35
CINERARIA maritima candidissima (Dusty Miller)	10	20
COBAEA Scandens, purple	10	30
DRACAENA indivisa	10	30
HELIOTROPE, Lemoine's Giant mixed	10	2 00
Pine mixed	25	1 00
LANTANA hybrida, mixed	10	20
LOBELIA Crystal Palace Compacta (true)	30	1 25
Speciosa, dark blue trailing	15	50
Gracilis, light blue trailing	15	40
heterophylla major, fine large flowering	25	1 00
MATRICARIA canensis, fl. pl., double white flower	10	25
MIMULUS Meschatus (Musk Plant)	25	1 25
MIGNONETTE, Defiance	15	40
Goliath	25	1 00
Miles Hybrid Spiral	10	15
Machet	10	25
PETUNIA Dreer's Superb Single Fringed, the very best, Trade Packet 50c., 1-16 oz. \$1.00, 1-8 oz. \$1.50.		
Dreer's Superb Double Fringed, the very best, 75c. per 500 seeds, \$1.50 per 1000 seeds.		
Rosy Morn, soft pink	50	2 50
Brilliant, brilliant carmine pink	30	2 00
Striped and Blotched, mixed	20	75
SALVIA splendens (Scarlet Sage)	50	2 50
splendens "Bonfire" dwarf	10	2 25
splendens "Ball of Fire," very dwarf	50	1 00
splendens "Burning Bush," large flowered	50	1 50
SMILAX	10	30
STEVIA serrata	20	60
STOCKS, large flowering, 10-week in separate colors	40	2 50
Large flowering, 10-week finest mixed	30	2 00
Cut and Come Again, in separate colors	50	3 60
Cut and Come Again, finest mixed	50	2 50
THUMBURGIA, finest mixed	15	40
TORENTIA Fournieri	30	1 50
VERBENA Dreer's Mammoth, in separate colors	30	1 25
Dreer's Mammoth, finest mixed	25	1 00
hybrida, fine mixed	15	50
VINCA rosea, deep rose	15	50
rosea alba, white, rose white	15	50
rosea, alba pura, pure white	15	50
rosea, mixed, all colors	15	40



Salvia Bonfire

WE offer a fine line of Asters, Sweet Peas, Antirrhinum, Cosmos, etc. etc. Our list of Novelties contains many good things for Florists, all of which are fully described in our Garden Book for 1908. Copies on application.

HENRY A. DREER
714 Chestnut St., PHILADELPHIA

of seed was sent, a bill of parcels or a receipt was sent which contained upon it the same disclaimer. And it does seem to me that evidence of that kind might put an entirely different aspect upon the case. It bears upon whether the defendants' method of acceptance was ordinary or usual in the trade, and again while not equivalent to actual knowledge, it does seem to me it is admissible to go to the jury, for them to determine if the plaintiffs know of that custom, and whether when they received the seed, or when their agent received it and saw or could have seen what was on the back of the envelope or package containing the seed, it became his duty to read it.

Now, gentlemen, I have said this so the Court might appear to be no inconsistency between the Court's ruling before, and the Court's ruling now.

I think the evidence offered is admissible, but in order that I may reserve all questions, if it does not amount up to what I think it ought to be, I will admit it subject to exception. The objection, however, at this time is overruled.

Plaintiffs' 13th Prayer.

If you believe from the pleadings and the evidence in this case that the plaintiffs were trading in July, 1904, as T. A. Winfield, and wrote to the defendants the letter of July 4, 1904, and that in reply thereto the defendants wrote to the plaintiffs the letter of July 6, 1904, and that the plaintiffs received the said letter of July 6, 1904, and through T. A. Winfield, wrote the defendants the letter

of July 11, 1904, and enclosed the defendants in said letter of July 11, 1904, a check for \$10.25 and that the said defendants received the said letter and check at the same time, and deposited the said check in their bank account on the day of its receipt, in case you find it was received, and that they received the money on the said check in payment for the said seed, and that the alleged usage of which evidence was offered was not known to the plaintiffs and was not so uniform, well known and well established that the plaintiffs should be presumed to have known it, and that neither the plaintiffs nor their foreman, George B. Reed, in case you find he was their foreman, either read or was informed of the nature or terms of said disclaimer, either on the receipt mailed to the plaintiffs, if you find the mailing and receipt thereof, on the bag in which the quantity of seed was sent by the defendants to the plaintiffs, in case you find a quantity of seed was so sent in a bag by the defendants to the plaintiffs, and that the said bag there was stamped, printed or appearing thereon the said disclaimer mentioned in this case, and that the said disclaimer was not so distinctly called to the attention of the plaintiffs or their foreman by the defendants as to have made it the duty of a man of ordinary prudence and caution, under the circumstances which surrounded the plaintiffs or their foreman at the time, to read the said disclaimer before planting the said seed (in case you find the said seed was

(Continued on page 36.)

ROSES FOR FORCING Immediate Delivery
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American Beauty, Clothilde Souper, Gloire de Dijon, Hermosa, Kaiserin A. Victoria, Killarney, Liberty, La France, Maman Cochet, Marechal Niel, Mrs. R. G. Scharman-Crawford, Marchioness of Londonderry, Souv. de la Malmaison, including all the leading varieties of Hybrid Perpetuals.

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 3 to 4 ft. \$1.50 per 10, \$12.00 per 100.
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 Hybrids. All leading varieties, \$1.50 per 10, \$12.00 per 100

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Smooth, evenly graded, especially selected for Florists' use

Grafting Size, 3-5 m/m, \$8.00 per 1000; \$75.00 per 10,000.

Extra Size, 5-9 m/m \$10.00 per 1000; \$90.00 per 10,000.

First consignments expected soon; order NOW for prompt shipment on arrival and avoid disappointment.

Send for Price List of **NURSERY STOCK FOR FLORISTS**

Roses, Clematis, Ampelopsis, Lilacs, Deutzias, Spreas, Etc.

Jackson & Perkins Company, Newark, New York

ROSES

Propagating.

About the middle of this month or the first week or two in February, enough cuttings should be made to provide sufficient good stock for benching next June or early July. On the larger establishments, or where a plant business is carried on, thousands of cuttings are already made, and in some instances are ready to pot off; but for the majority of growers the middle of this month is early enough to start operations. Where any large number of plants are to be raised a regular house for propagating should be provided. This is the best and most economical in the end, but where this cannot be had, select a part of a bench where a goodly amount of bottom heat can be provided. Clean out the old soil and wash out clean, then apply a coating of hot lime. Some coarse cinders can then be put in the bench; on top of these about four or five inches of screened sand. This, as has been suggested before, should be clean and sharp; pack it down well with a brick, the firmer the better; then level off again, so that it is nice and even.

To strike a batch of rose cuttings well is an easy matter if the work is done with any amount of care at all; the principal thing is to keep the temperature even, say 62 to 64 degrees in the sand and, if possible, 10 degrees cooler on top. This, of course, cannot be done, unless a propagating house is used. American Beauty is perhaps the only rose that is difficult to root; this variety requires very careful handling. The wood of which the cuttings are made should be as near as possible of the same degree of hardness, thus insuring an even strike. It should never be permitted to wilt, and the cuttings must be made with a sharp knife. For this rose two-eye cuttings are the best. The lower cut should be just below the eye, the upper one above. Two leaves left on each cutting is sufficient; if more foliage is allowed to remain, the cuttings will not dry off as well after each watering. It should be borne in mind that each cutting is an embryo plant, and one cannot expect a good plant from a weak cutting, or one taken from a dis-

Grafted Roses

\$12.00 per 100; \$100 per 1000.

If you can furnish the scions, we can quote you lower prices in any quantity you wish.

Edward J. Taylor, Greens Farms, Conn.

Everything goes

to prove that our own root, summer grown, winter rested **ROSES** are the best for florist and nurseryman. 400 leading sorts.



eased plant. Therefore, look out for the quality of the wood used for this purpose, and let it be only from thrifty stock. Do not crowd the cuttings in the bench too much; they should have at least 1 1/2 inches between the rows and 3/4 inch in the row. After putting the cuttings in the sand, give a fair watering, using but little force, after which, if the sand and drainage are right, a light watering every morning will be required, unless the weather is warm and little bottom heat can be used; but on no account should the sand be permitted to get dry, for this would mean death to the cuttings. The foliage would get hard and dry, turn yellow and drop off, and a cutting without foliage, no matter how well rooted, will seldom make a satisfactory plant. Allow no draughts or sun to strike the cuttings at any time until roots appear, which in the case of American Beauty will be in about four to five weeks, Richmond three weeks or sometimes less, while the cuttings of nearly all other varieties will take a few days more. Richmond is the easiest and quickest to root.

The soil that will be used for potting should now be in a warm place, where it can be got at when required. It will not do to take cuttings from the warm sand and pot them in soil just above the freezing point.

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Fruit and Shade Trees, Evergreens, Shrubs, Roses, etc.
 Specimen Tree Box. Pyramidal Standard and Bush Form.

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Specimen Evergreens

SUITABLE FOR TUBS AND VASES

HEMLOCK, WHITE PINE, RETINOSPORAS, A. VITAE, etc.

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The greatest pot rose for florists extant. A superb forcing variety. We have proved it. Color a deep pink. Price, \$3.50 per 10; \$30.00 per 100.

WHITE BABY RAMBLER (Catherine Zelman), with double white perfect flowers; fragrant, a good forcer, \$3.50 per 10; \$30.00 per 100.

PINK BABY RAMBLER (Anny Muller), a perfect bedding rose; as such there is nothing to equal it. Its color is charming. \$3.00 per 10; \$25.00 per 100. Above all in field-grown plants.

JOHN CHARLTON & SONS, University Ave. Nurseries, Rochester, N. Y.

5000 EVERGREENS Retinispora Filifera and Aurea, 3-5 in. 5c. White Pine and Hemlock 5 to 7 in. 2c.; 10-12 in. 4c.

2000 WILLOW—Laurel Leaved and Colden, 4-5 ft. 9c.; 6-8 ft. 18c.

2000 PRIVET—Ibota, 5-8 in. 3c.; 12-18 in. 7c.

3000 BERBERIS—Thunbergii and Vulgaris, 4-8 in. 2c.; 12-20 in. 4c.

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Shrubs a specialty.

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| Etoile de Lyon | Bridesmaid |
| Meteor | Mme. Abel Chatenay |
| Bride | Queen Scarlet |
| Mme. Jules Grolez | Climbing Kaiserin |
| Snowflake | R. M. Henrietta |
| Climbing Meteor | Striped R. M. |
| Bessie Brown | Henrietta |
| Isabelle Sprunt | Sufrano |
| Coq de Lyon | Marechal Niel |
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ENGLISH IVY, field grown, \$4.00 per 100; \$35.00 per 1000.

FERNS, Boston, 4 in. 12c., 5 in. 25c., each.

Pteroni, 3 in. 8c.; Scottii, 3 in. 10c., 4 in. 15c.; Elegantiama, 2 1/4 in. 6c., 3 in. 10c., 4 in. 15c.

HYDRANGEA OTAKSA, field grown, 6c., 8c., 10c., and 15c., by the dozen or bundled. October delivery.

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 Strong one-year plants. 18 to 24 inches, branched, \$2.00 per 100; \$15.00 per 1000. 12 to 20 inches, strong, \$1.50 per 100; \$10.00 per 1000. Two-year all sold.
ASPARAGUS ROOTS Palmetto, Conover's Colossal and Giant Argentine, extra strong, 2-year, 75c. per 100; \$4.00 per 1000. Strong 2-year, 75c. per 100; \$3.00 per 1000. All tied in 25s. Address,
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 Just Received From Our Holland Nurseries
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J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

FRANKLIN, MASS.—The Continental Nurseries have purchased an additional 10 acre plot which will be devoted entirely to the growing of trees and evergreens, while the 28 acres contained in the home grounds will be reserved for the growing of shrubbery and hardy plants only. Plans have been completed for fitting up the interior of the large barn into an up-to-date packing shed with storage cellar underneath.

Japanese Walnut, *Juglans Sieboldiana*.

The writer has referred before to the *Juglans Sieboldiana* as producing a nut of no merit whatever. If the tree has any value at all except as an ordinary ornamental tree, it has not been claimed for it; it may be valuable for its wood, just as the black walnut is. The name Japanese walnut leads many to wish to grow the tree, thinking to get something different and better than any of the older kinds. It is different, but not better—not so good, in fact, as the well-known black walnut or the English. The fruit of *Juglans Sieboldiana* has all the appearance of a hybrid nut such as the English walnut sometimes gives rise to. In appearance there is more resemblance to the English than the black walnut. On cracking the nut the thick shell is just like that of the black and what "meat" it contains is of the same quality, or not so good, if there is a difference. The nut is smaller than the black walnut, and is in every way inferior to it. This being so, there is no use in anyone growing it for its nuts.

The English walnut, *Juglans regia*, heads the list of desirable walnuts. The large thin shelled are hard to be improved on, and as improved ones need grafting to increase them ordinary buyers take seedlings raised from large fruited sorts.

Walnuts do not always fruit satisfactorily and it is sometimes because of lack of lime in the soil, as this tree delights in soil of a carbonaceous nature. Where an absence of lime is suspected, fork in a good dressing of it early in Spring over the surface where the roots extend, and look for good results to follow.

Preserving Hollow Trees.

Florists are often asked advice by those who visit their establishments on the preservation of hollow trees. There are not only trees on their own grounds but also in public places which they take an interest in preserving. The use of cement for the purpose of filling up hollow spaces is coming to be understood. Trees are not always hollow from some outside hurt. Some become hollow that have no outside scar at all, and then it is not possible to tell easily that they are hollow. Were it otherwise it would be a good thing to doctor them for their good. Cementing the hollows until the cavities are filled up solid is the way to do it. First all decayed substances are to be scraped out, to intercept any spreading of fungus. Then the cement is filled in. Some trees that are blown down because of their hollowness could have been saved had they been cemented. The writer a few weeks ago saw a fine specimen of wild cherry, *Cerasus serotina*, blown down in a gale because of its hollow trunk. This would not have occurred had a body of cement been in its heart, for that would have been a prop that would have prevented the trunk from severing and splitting.

Cementing should be done when the weather is not freezing. The portion of the cement visible after the completion of the work may be painted the same color as the bark of the tree.

Layering Hollies.

In a private letter from a florist in North Carolina he mentions his success in propagating hollies by layering them. The plan is to cut down a strong holly to within a foot or so of the ground, in order that shoots may break forth below that for the purpose of layering them without trouble. As soon as the shoots are of proper length they are cut below a joint in an upward direction, a small stick or stone inserted to keep the cut open, and then sand is heaped around the plant, covering the

shoots all but their top. This work is done in Spring, and by Fall the layers will have made some roots, but hardly sufficient to maintain them as individual plants after they are cut off, so to be safe it is much the best way to leave them undisturbed until two Summers have passed.

This layering plan would be worth following with a fertile plant. It is well known some hollies are fertile and some not, and of the latter class seedlings can be relied on to give what may be wanted. A true fertile holly has to be increased by budding, grafting or layering. To be certain it is a fertile plant the flowers must be carefully examined as well as the noting of its bearing berries, unless the plant is entirely isolated from all others and is bearing berries, in which case its being a fertile one is to be assumed.

It would be an easy matter to sell hollies could nurserymen guarantee them to be berry-bearing, indeed as it is, a holly can always be sold by those who keep them, for there are rarely but few to be had in nurseries.

Growing the Fig Outdoors.

Considering that figs can be grown very well in our Northern gardens it is a surprise that they are

not more common. The writer has seen a few in Western Virginia, but the most common are those planted after the manner described in the article on figs and fruit at once bearing a plentiful crop every year.

The writer has two or three well built figs. They he digs up completely, takes them to a corner of his garden, and turns them under a board, sometimes with leaves, at other times with just soil, or covers. A slight covering is enough, as it does not hurt them if they freeze when covered up.

The fig will stand more cold than imagined. One Winter a plant that had but two long shoots to it had the shoots placed prostrate with the ground and a plank put over them, kept down by placing heavy stones on it. When Spring came the board it seemed had been ample protection; the shoots were uninjured. The moist ground with the shade the board afforded had been sufficient, and in sheltered places here figs have been known to live out unharmed in mild Winters.

Pinus koraiensis.

Pinus koraiensis, a Japanese pine, is a remarkably beautiful species, and one which considering its great merits is far too seldom met with in collections. There

is a beauty of outline in its growth, and its foliage is of such a pleasing character that it is entitled to first rank among ornamental pines. Allowed to grow naturally, it forms a tree of broad, pyramidal outline, such as the photograph shows. Its needles are soft, an advantage over those of a rigid character, and they are closely arranged on the short jointed shoots. But the chief beauty of the leaves, and a prominent feature, is the color of the needles. They are dark green on the back and a bluish white on the inner side, the contrast of the two colors being very pleasing. Considering it in all its characters it is one of the most beautiful of pines.

In some collections it has been met with under the name of *P. mandshurica*, but this species is thought to approach *P. cembra* closely. A great deal of the confusion in names of evergreens from Japan arises from lack of care by the shippers from that country, the same plant coming from there at different times under different names. With the better knowledge we are all gaining of Japan this confusion may be cleared up and further prevented as a more intimate knowledge of the country and its floral treasures becomes public.

The cones of this pine are borne in clusters, and those familiar with the cones of our native *P. pungens* will find a close resemblance in the two, as they are cylindrical, scales hard and with recurved points, but in length those of the *P. koraiensis* exceed the cones of *P. pungens* by an inch or two.

Seeds of the *Pinus koraiensis* are now easily obtainable from Japan, and it is to be hoped young trees of it will soon be had for sale in our leading nurseries, not by ones or twos as now, but by dozens. And when they are to be had plant them in deep, well-drained soil and they will thrive as well as they do in their home in Japan.

JOSEPH MEEHAN.



Pinus Koratensis

not oftener seen than they are, in fact, they are rarely observed. Occasionally a gardener takes hold of them, and knowing how, produces fine crops of fruit every year. Some, however, do not know how. The writer was surprised a few days ago when passing a private place to see that a fig bush he had noticed through the Summer had been fixed for the Winter and in this way: It had been cut down to three feet from the ground and what was left of it had had leaves heaped up around it and straw over that. Now all that had been done was worse than useless. All the fruiting branches had been cut away, and the time spent in protecting the roots was thrown away, as they live without protection.

In the garden of Mrs. Thomas Meehan of Germantown are some of the finest fig bushes one could wish to see and these bushes each bear hundreds of figs every year. The bushes are dug around on one side to loosen their roots, and thrown over on the other side; then root and branch are covered with leaves and other material. This is done after the first freezings come in November. The bushes

BALTIMORE, MD.—Professor T. B. Symonds, State Entomologist for Maryland, has been elected secretary of the American Association of Horticultural Inspectors, in session at Chicago, and appointed as one of a committee of three to represent the Association of Economic Entomologists at the annual meeting of the American Association of Nurserymen next June to be held in Milwaukee, Wis. The report of the joint committee on a form inspection of nursery stock, submitted by its chairman, Orlando Harrison, of Berlin, was accepted and appropriate resolutions passed urging legislation to bring about uniform inspection of nursery stock.



Fern for Name.—G. D. Mass.—One of the Aspidiums; probably tsussimense.

(1) **Thrips on Carnations.**—I send you some affected carnation foliage; please tell me what the trouble is and what will prevent it. The varieties most affected are Pink and White Lawson. Penna. J. W.

—The carnation leaves are spotted from the attacks of thrips, to keep down which frequent sprayings with some good tobacco insecticide should be given.

(2) **Brazilian Melon Fruit.** I have several plants of Brazilian melon fruit that are looking fine, about three feet high, but no sign of any fruit coming on them. I have never grown this plant before, and would be pleased to receive some information concerning its treatment. P. B. New York.

—We do not know the Brazilian melon fruit. Can any of our readers assist this inquirer?

(3) **Camphor from the Camphor Tree.**—From what part of the tree is gum camphor made—the leaves or trunk? S. S. Louisiana.

—Camphor is obtained from the roots, trunk and branches, by exposing the chips in closed vessels to the vapor of boiling water.—(The Century Dictionary and Cyclopaedia.)

(4) **American Wonder Lemon not Fruiting.**—What can I do to make an American Wonder lemon tree produce fruit? It is growing nicely and is three years old, planted in a thirteen-inch tub in the best of soil—leaf mold and sand. P. B. New York.

—As the lemon tree appears to be in perfect health, and is growing nicely, there is nothing further that can be done; the flowers and fruit will show in due time. No doubt if the plant had been kept in a smaller pot or tub, where the roots would have been confined a little closer, fruit would have been borne this year; but as the plant is now established in such a large tub, there is nothing to do but wait.

(5) **Hardiness of *Cycas revoluta*.**—I would like to know how much cold *Cycas revoluta* will stand without injury. S. S. Louisiana.

—We do not know that any tests have ever been made with respect to the cold-resisting qualities of *Cycas revoluta*. It is safe to say, however, that the dormant stems would not be injured at any temperature that is above freezing point. A well-grown plant with its leaves thoroughly ripened would not be harmed in a temperature of 40 degrees, but a plant with newly made leaves would suffer at a temperature lower than 45 degrees.

(6) **Roses for Summer Trade.**—Please give the best method of handling roses in Winter in the greenhouse for Summer cut flower trade. We intend growing a stock for Summer trade exclusively. F. R. W. New York.

—Roses for Summer flowering under glass must be kept absolutely dormant during Winter. This is easily brought about by letting the plants dry down, naturally in the Fall, not permitting any fire heat in the houses until it is desired to start the plants growing, which should be about the beginning of March.

(8) **To Prevent Wilting of Poinsettias.**—We had some fine poinsettias, growing on a bench, which we cut for Christmas. A short time after being cut and placed in a vase in water we found them wilting. We at once removed them to a water tank; they remained there until the next morning, when they were mostly revived. We read an article somewhere which recommended the dipping of the stems in boiling water for a minute or so, which we did to another dozen; this seemed to stop the wilting. Can you give us any process better than the foregoing? CANADIAN. New Brunswick.

CYCLAMEN

Splendens Giganteum Hybrids

Extra well grown plants all colors in bud and bloom from 4 in. pots \$15.00; from 5 in. pots \$20.00 per 100.

Primula Obconica

The celebrated Roundford & Lattmans Hybrids in bud and bloom from 3 in. pots \$5.00; from 4 in. pots \$10.00; from 5 in. pots \$15.00 per 100.

Cinerarias Hybrida Grandiflora

From 2 1/2 in. pots \$2.50; from 3 in. pots \$4.00 per 100.

Asparagus Plumosus Nanus

Well-grown plants from 2 1/2 in. pots \$3.00; from 3 in. pots \$5.00 per 100.

Cannas

Standard varieties 2-3 eye tubers \$2.00 per 100, \$17.50 per 1000.

Geraniums

Standard varieties cool grown stock from 2 1/2 in. pots \$3.00 per 100, \$22.50 per 1000. SATISFACTION GUARANTEED

PAUL MADER, East Stroudsburg, Pa.

Asparagus

Plumosus Nanus, Sprengeri, 2 in. 2c.

ROSE GERANIUMS, 2 in. 2c.

ROOTED CUTTINGS below prepaid per 100. *Petunia*, double, 10 kinds, \$1.00; *Swainsona Alba*, \$1.00; *Cuphea*, 2 kinds, 75c.; *Heliopsis*, 3 kinds, \$1.00; *Vinca Variegata*, 90c.; *Fuchsia*, 5 kinds, \$1.25; *Paris Daisy*, yellow and white, \$1.00; *Flowering Begonias*, \$1.25. *Coleus*, 10 kinds, 60c.; *Hardy Pinks*, 5 kinds 75c.; *Ageratum*, Gurney, Pauline, Inimitable, white, 60c.; *Alternanthera*, 3 kinds, 50c.; *Salvia*, *Banfire*, *Splendens*, 90c.; *Fevertree*, Gem, \$1.00; *Impatiens*, 3 kinds, \$1.00; *Parlor Ivy*, 75c. Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

AZALEAS

In bloom, from 60c. up to \$1.50. 2,000 **CHRYSANTHEMUM** stock plants, all good commercial varieties; true to name, \$2.00 per 100. R. C. **CHRYSANTHEMUMS**, ready in February.

SWEET PEAS in 4-in. pots, 3 to 5 plants to a pot, 12 to 18 in. high, 2c. each.

Correspondence invited.

ARTHUR CORNELIS, SOMERVILLE, N. J.

Asparagus Sprengeri

3 inch pots. \$4.00 per 100

S. G. BENJAMIN, Fishkill, N. Y.

—Burning the ends of the poinsettia stems with a lighted match or candle, or dipping them in very hot water, are both equally good methods for preventing the bracts and foliage from wilting. The object in doing this is to seal the end of the stem so that the sap will not flow away.

(9) **Marketing Parsley.**—Please inform me about forming bunches of parsley leaves for market, how many leaves to the bunch, etc. Also, please give me some idea of the prices obtainable, as I have no experience in regard to the matter. A. J. B. Fla.

For the New York market, parsley is bunched by tying the stems together with enough of them to form a bulk of from one to one and a half inches in diameter at the bottom of the stems. The leaves are left in a spreading form and usually average from six to eight inches long. Prices at this time for southern grown parsley are from \$3 to \$3.50 per 100 bunches; for greenhouse grown parsley, about \$1 to \$1.50 per 100 bunches.

BARGAIN PRICES IN A NO. 1 PLANTS

VARIETIES OF ERICAS FOR EASTER GROWING

Erica Cypripedium, well budded, pink, 4 in. pots, dozen \$3.00; 100 \$20.00.
Erica Cavendishi, for growing on, yellow, 2 1/2 in. pots, dozen \$2.00.
Erica Cavendishi, well budded, 5 1/2 in. pots, doz. \$18.00; 100 \$100.00.
Erica Cavendishi, well budded, 6 in., large, doz. \$20.00; 100 \$200.00.
Erica Persoblia Rubra, well budded, light pink, doz. \$2.50; 100 \$25.00.
Erica Translucens, well budded, 4 in., pink trumpet, doz. \$3.00; 100 \$25.00.
Erica Translucens, well budded, pink trumpet, 5 1/2 in. pots, doz. \$24.00; 100 \$150.00.
Boronia Elatior, red, fine, 4 1/2 in. pots, doz. \$2.00; 100 \$15.00.
Boronia Elatior, red, fine, 5 1/2 in. and 6 in. pots, doz. \$15.00; 100 \$100.00.
Genista Racemosus, fine, globular-shaped plants, from 5 in. pots, doz. \$4.00; 100 \$30.00; larger plants, 4 in. pots, doz. \$12.00; 7 in. pots, doz. \$18.00. Specimens and Standards, \$2.00 each.

FOR EASTER BLOOMING

Azalea Princess Victoria, finest pink, new, doz. \$6.00; 100 \$40.00.
Azalea, new lavender color, 10 to 12 in. crowns, \$12.00 per doz. No other such nice color among azaleas; fine, large, bushy plants.
BLOOMING NOW!
Epacris alba, 1 in. pots, doz. \$2.00.
Primula obconica, 4 1/2 in., doz. \$2.00.
Cyclamen Persicium, 5 in. pots, doz. \$4.00; 100 \$35.00.
Daisy Plants, well budded, 7 in. pots, doz. \$3.00; 100 \$30.00.
Daisy Plants, 3 in. pots, 75c. doz.; \$5.00 per 100.
Boston Ferns, 2 1/2 in. pots, doz. \$1.00; 100 \$6.00.
Boston Ferns, 4 in. pots, doz. \$2.00; 100 \$15.00.
Whitmani Ferns, 2 1/2 in. pots, doz. \$1.00; 100 \$8.00.

ANTON SCHULTHEIS, 316 19th St., P. O. Box 78, COLLEGE POINT, L. I., N. Y. Telephone: 1682 Flushing

Whitmani Ferns, 3 1/2 in. pots, doz. \$2.00; 100 \$15.00.
Whitmani Ferns, 5 1/2 in. pots, doz. \$9.00; 100 \$60.00.
Whitmani Ferns, large, \$1.50 each.
Scottii Ferns, 2 1/2 in. pots, doz. \$1.00; 100 \$5.00.
Scottii Ferns, 6 in. pots, doz. \$6.00; 100 \$50.00.
Cibotium Schiedeii, 6 in. pots, doz. \$18.00.
Cibotium Schiedeii, 7 and 8 in. pots, doz. \$24.00.

FOR GROWING ON!

Erica Fragrans, the great Christmas variety, 4 1/2 in. pots, 100 \$15.00.
Erica Regerimians, white Christmas variety, 4 1/2 in. pots, doz. \$2.00.
Erica Arborea, new, 1 1/2 in. pots, doz. \$2.00.
Baby Rambler Roses, 5 in. pots, in growing condition, doz. \$6.00; 100 \$45.00.
Baby Rambler Roses, 5 and 5 1/2 in. pots, dormant, doz. \$5.00; 100 \$35.00.
Baby Rambler Roses, Annie Muller, 6 in. pots, started, doz. \$9.00; 100 \$60.00.
Baby Rambler Roses, Annie Muller, 6 in., dormant, doz. \$6.00; 100 \$45.00.
Hiwatha, started, 6 in. pots, doz. \$9.00, not started, doz. \$7.00.
Asparagus Plumosus, 3 1/2 in. pots, doz. \$1.00; 100 \$10.00.
Asparagus Plumosus, 4 1/2 in. pots, doz. \$3.00; 100 \$20.00.
Aspidistra, green, low and bushy, 5 in. pots, doz. \$9.00.
Aspidistra, green, taller, 6 in. pots, doz. \$12.00.
Gardenias, 3 1/2 in. pots, doz. \$2.00.
Oranges, well fruited, 5 1/2 in. pots, doz. \$18.00; 6 in. pots, doz. \$24.00; 7 and 8 in. pots, specimens, \$5.00 and \$6.00 each.
Araucaria Excelsa, 5 1/2 in. pots, doz. \$6.00; 6 in. pots, \$9.00 and \$12.00 per doz.
Kentia Belmoreana, from \$1.00, \$1.50, \$2.00, \$2.50 to \$3.00 each; fine and perfectly shaped plants.
Rubbers, \$6.00 and \$9.00 per doz.; 3 in. pot, \$2.50 each.

Above prices are net. Cash with order. No charges for cases or packing.

Stock You Will Need

MARGUERITE, QUEEN ALEXANDRA, \$3.00 per 100.
SPIRAEA CLUMPS, Large field clumps full of eyes.
ASTILBOIDES FLORIBUNDA, \$4.25 per 100, \$40.00 per 1000.
ASTILBOIDES SUPERBA, \$6.00 per 100.
NANA COMPACTA, \$4.50 per 100, \$40.00 per 1000.
JAPONICA, \$1.00 per 100, \$35.00 per 1000.
BOXWOOD, Fine lush shape plants, 30-36 in. high, 18-20 in. through, \$2.00 each. Pyramid shape, 30-36 in. high, 15 in. through, \$1.75 each.
RHODOENDRON, Short well formed plants for pots, full of buds, 18 in. size, \$9.00 per dozen, 24 in. size, \$12.00 per dozen.
AZALEA MOLLIS, Bushy plants, full of buds, force very easily, 12-15 in. high, \$25.00 per 100, 15-18 in. high, \$35.00 per 100.
AZALEA INDICA, Some especially fine plants in Mad. Van der Cruyssen, Niobe, 16-18 in. crowns, \$1.00 each, 18-20 in. crown, \$2.00 each.
BOUGAINVILLEA GLABRA SANDERIANA, Short well trimmed plants that will bloom full for Easter 4 in. pot plants, 6-8 in. crowns, \$30.00 per 100, \$2.75 per 12.
CANNAS, One of the best collections of market varieties including *Beaute Poitevine*, *Crimson Bedder*, *Charles Henderson*, *Florence Vaughan*, etc., strong 2-eye divisions, \$3.00 per 100, \$25.00 per 1000.
BOSTON FERN, 2 1/2 in. well established, \$1.00 per 100, \$35.00 per 1000.

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ASPARAGUS, BOSTONS, AZALEAS

PLUMOSUS, 2 1/2 in., \$3.50 per 100; \$20.00 per 1000; 3 in., 6c.; 3 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. *Comorosensis*, 2 in. 10c.; 2 1/2 in. 30c. *Sprengeri*, 2 1/2 in. 30c.; 3 in., 40c.; 4 in. 10c.
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PLANT CULTURE

Price \$1.00
The best book for the Plant Grower.
A. T. DE LA MARE PTG. & PUB. CO. LTD., 2 to 3 Duane St., NEW YORK

THE WEEK'S WORK

Timme's Timely Teachings.

The Cuttings.

For the propagation of most species of florists' stock January and February are the most favorable months. Cuttings of many kinds of greenhouse plants, slow or unwilling to form roots at any other time, can now most rapidly and with probably least expense to the grower be made to root. The item of expense in providing stock for an ensuing season's trade, though never entirely disregarded by any grower, affords many angles from which it may be viewed, some of them frequently not taken. Thus the fact is often lost sight of that in many instances, especially when "ill-luck and mishap" are harassing companions of the propagator, the home-raised stock costs really much more per every dozen or hundred plants than if it had been purchased for cash. A sturdy cutting, taken from a good variety of a carnation, for instance, represents a future flower, and if but a small percentage of these cuttings strike, the others perishing, the actual cost of plants thus obtained is easily figured.

But success in the rooting of cuttings not only means minimum cost of the stock so produced, but also highest quality. Every one cutting of the ninety-five or more of the hundred put in the sand found to be well rooted is worth twice as much, will be more apt to make a fine plant than any one rooted cutting of the few picked out from a lot of decayed matter or hopelessly worthless stumps. This, as a general rule, furnishes exceptions, but they are very few, not enough to justify any propagator in busying himself working up stock belonging to this exceptional minority, to any great extent, when his time could be occupied to better advantage.

The Cutting Bench.

Of the many factors which contribute each its share to success in the rooting of cuttings proper construction and working condition of the bench selected for the purpose is one of the first to be considered. A bench conveniently located in a house where the heating, ventilating and shading facilities are under the complete control of the grower, any bench on which it is possible to grow the very best of plants and flowers, is also the one that gives best results in the rooting of cuttings of such kinds as at this season are to be propagated in quantity by the majority of greenhouse men. Any grower has such a house and such a bench at his disposal, and there is no need of fixing up any sort of an out-of-the-way affair for propagation, a place where probably everything else refuses to do well. The propagating bench should have sufficient piping underneath, arranged so that every part of the sand in the bench is uniformly warmed from below, its incline in the runs of pipes—if it is a hot water circuit—resulting in bottom heat slightly differing in degree at one end of the staging from that of the other, a decided advantage where many kinds of stock must be propagated. In constructing the bottom of the bench openings should be left to drain off surplus moisture, not the customary wide cracks which render the holding of an even moisture in the sand a difficult task, nor widely separated, little slits, which quickly fill up and mischief is sure to follow. In the matter of shading, for which provision must be made, there is probably nothing better than movable frames on which muslin is tacked, two sets being preferable to but one, so that a heavy or a light shading may be afforded as the propagator deems best. These frames are quickly made, last long and cost little. They should be of a size easy to handle in putting them up or taking them down from places fitted up for the purpose.

The Propagating Bed.

Cuttings that should now be struck, such as are to grow into fine plants in good season, are roses, carnations, vincas, German and English ivies, pelargoniums, scented, fancy and ivy-leaved geraniums, fuchsias, heliotropes, lemon verbenas, begonias, salvias, double petunias, lantanas, snapdragons and many others of which at present good cuttings can better be had than could be found earlier or are likely to be as fine for later



NEW PINK BABY RAMBLER, ANCHEN MULLER

increase of stock. For all these the usual medium in which to root them is sand, because it is cleaner, holds the unrooted cutting better in position, drains off more readily and can generally be obtained everywhere more easily in large quantities than any of the various other substances used here and there for the same purpose and with equally fine results if properly employed. Success with cuttings of any of the above named kinds has very little to do with color, coarseness or fine texture of the sand, but very much depends on its being pure, free of all decaying or decay-inviting matter; and if it is pure it serves the purpose just as well whether it has already been used in succession for several times or has been brought in fresh from the sand pit. The first and original cause of failure with cuttings is never the sand. Where cuttings rot and die off in great numbers and the wilting and dead matter is not promptly removed as soon as espied, there and then, of course, contamination of the sand is sure to be the immediate consequence and renders it unsafe and, indeed, unfit for any further use in any sort of cultural process of whatever kind. If, therefore, there is the least doubt in the mind of the propagator as to the sand being pure or not, he had better replace it with fresh sand, renew the sand for every batch of cuttings rather than to run the risk of losing his cuttings from a cause so easily removed.

The Taking and Treatment of Cuttings.

Much more of what stands for failure in the propagation of plants by cuttings is due to hopelessly unfit condition for root formation of the cutting when taken from the stock plant than to any other cause. A cutting with a too hard butt-end may finally root, but lots of time is wasted—root, too, in waiting for it to do so—when by cutting it again and at the right joint in preparing it for the sand, it would have proved all alive to business. The prime cause, however, of all the cutting bench troubles is the cutting taken when yet too soft and sappy or cut at too high a joint. These, unless managed with unusual skill, are certain to succumb to decay either before or after they are rooted. In the case of some kinds of stock, cuttings of this character give little trouble if pulled or cut off from the plant with a heel of harder wood left on. In most cases of this kind, however, it is better to give the shoots time to ripen or to attain size and sturdiness before considering them fit cuttings, and perhaps by being too hasty lose time and cuttings both and besides infect the sand for the destruction of anything ever so promising and in the best condition inserted in place of what died right after being started.

Cuttings and sand should be well

PINK, WHITE and CRIMSON Baby Rambler Roses

We offer a very nice lot of strong two year old dormant plants, which if potted up now will make elegant Easter stock.

PINK BABY RAMBLER

(Anchen Muller). A beautiful luminous shade of pink, a color which is always admired, \$3.50 per doz.; \$25.00 per 100.

CRIMSON BABY RAMBLER

(Mme. Norbert Levassent). Fine plants of this popular variety, \$2.00 per doz.; \$15.00 per 100.

WHITE BABY RAMBLER

(Katherina Zeimet). Pure white with yellow stamens, flowers produced in large candelabra shaped trusses, \$3.50 per doz.; \$25.00 per 100.

HENRY A. DREER

714 Chestnut St., PHILADELPHIA, PA.

Always in Demand ARAUCARIA ROBUSTA COMPACTA and GLAUCA

JUST LOOK! An ARAUCARIA ROBUSTA COMPACTA OR EXCELSA GLAUCA, worth a ten dollar bill, perfect shape and color, 6-7 in. pots, 6-year-old, 4-5-6 tiers, 28 to 40 in. in height, the same in width, only \$3.00; 6-7 in. pots, 6-year-old, 4-5-6 tiers, 25 to 28 in. height, \$2.00 and \$2.50; 6-7 in. pots, 5-year-old, 3-4 tiers, 18 to 25 in. high, \$1.50 to \$1.75. **Excelsa**, 6-7 in. pots, 5-6 tiers, 25 to 30 in. high, \$1.50; 6 in. pots, 5-year-old, 5 tiers, 22 to 25 in. high, \$1.00 to \$1.25; 6 in. pots, 4-5 tiers, 4-5-year-old, 18-20-22 in. high, 7-8-9-10-year-old, 2-3 tiers, nice little plants, 6-8 in. high, 40c.

WHITEMANI, larger than 8 in. pot, planted in 7 in. pots, made up in June, three plants in a 7 in. pot, now as large as a bushel basket, price, \$1.25 to \$1.50 per pot; middle size, 75c.; very heavy specimens, \$1.00 per pot, 6 in. pots 60c. to 75c.

PIERSONI FERNS 4 in., 25c.; 5-5½-6 in. pots, 35c.-40c.-50c.

PTERIS WILSONI, 5½ in. pots, very handsome, much admired ferns, 20c.

AZALEA INDICA, Have an immense stock now planted in 6 in. and 7 in. pots, were grown for us under contract by an Azalea Specialist in Ghent, Belgium. Have only the leading varieties such as, **Mme. Van der Cruyssen**, (2500 of this well known variety of the finest shape, full of buds), **Nidus**, **Bernard Andrew Allen**, **Deutsche Perle**, **Simon Gardner**, **Empress of India**, **Prof. Walters**, **Apollo**, and 12 other more popular sorts, price 20c., 75c., \$1.00, \$1.25, \$1.50, \$1.75, \$2.00, \$2.50 each.

BOSTON FERNS, Have about 2,500 of this variety, 8 in. pots, made up as big as a wash-tub, worth \$3.00, \$1.25 to \$1.50 each; 7 in. pots, as large as a bushel basket, worth \$2.00, cut down to 75c. and \$1.00 each; 6 in. pots, very large, worth \$1.00, only 50c.; 5½ in. pots, 35c. and 40c. each.

KENTIA Forsteriana and Belmoreana, 4 in. pots, 8 to 20 in. high 35c. 5½ in., 5½ in., and 6 in. pots, bushy stocky plants, 50c., 60c., and 75c.

LATANIA Borbonica, 4 in., strong, 25c. each.

COCOS Weddelliana, 3 in. pots, 10-12-15 in. high, 15c.

ARECA Lutescens, 4 in. pots, made up three plants in a pot, 18-20-22 inches high, 20c. each.

FIGUS ELASTICA or RUBBER PLANTS, home grown and Belgium stock, 18-20 to 40 in., 5-5½ to 6 in. pots, 25c.-35c.-40c.-50c. and 60c. each; 7 in. pots, 75c.

ASPARAGUS plumosus nanus, 3 in. pots, \$7.00 per 100; 4 in. \$10.00 per 100; all bushy plants.

HYDRANGEA OTAKSA, Now is the time to force **Hydrangea Otaksa** for Easter blooming. Remember only pot grown will form successful for Easter, we grow ours in pots in the summer and plant them in cold frames (row inside); have about 500 to spare, 6 in. and 7 in. pots 25c., 35c., 50c. and 75c. each.

BEGONIA, new improved **Erford**, 4 in., strong, 20c.; 5½ in., 25c. each.

Please mention if plants are to be shipped with or without pots. All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN, Importer, Wholesale Grower and Shipper of Pot Plants
1012 West Ontario Street, PHILADELPHIA, PA.

Asparagus Plumosus

2½ pot \$2.00 per 100

Pansy Plants 50c. per 100
\$2.50 per 1000
Ganna C. HENDERSON dry bulbs, \$2.00 per 100
Geraniums 10 var.; 2½ pot, \$3.00 per 100; \$25.00 per 1000

—CASH—
JOS. H. CUNNINGHAM, DELAWARE, O.

turned. If all else is right, a pretty close stand in the rows will not hinder roots to form, nor will it invite decay or be objectionable in any way, provided the cuttings are potted up in time to prevent needless tangling of roots. Until roots appear the bed should be kept pretty moist by frequent sprinkling; after that it is safer to practice moderation in this respect, but not to the extent of allowing the sand to become dry.

FRED. W. TIMME.

J. L. DILLON

The Verbena King
Bloomsburg, Pa.
20,000 Cuttings taken each week from 60 choice varieties of Verbenas.
Rooted Cuttings 75c. per 100; \$6.00 per 1000.
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FOUNDED IN 1888



Weekly Medium of Interchange for Florists, Nurserymen
Seedsman and the Trade in General

Exclusively a Trade Paper.

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Evergreens for City Gardens.

It is always of interest to a florist or a nurseryman to note the evergreens to be found in city yards. The general impression is that not many sorts will thrive in such positions—an impression fostered by ill-looking specimens often seen there. But to the close observer it will be apparent that it is not so much the atmosphere of cities that is to blame for the condition spoken of as it is the soil. Every one knows what the building of houses means to the soil that is to surround them. Oftener than not the clay and sand from a cellar are used to make level the surface, or the surface is carted away to fill up a depression, both ways resulting in having a surface of the worst kind for trees to grow in. In many cities are side or front gardens in which trees are thriving, within sight of similar gardens in which like sorts are half dead. The reason for this is, that the flourishing ones are in good soil, the poor looking trees not. There is but little doubt that this is the true reason for the difference. Those loving trees should be sure that the soil is good where trees are to go, even if it becomes necessary to cut away what is there and bring in new soil, and this should be represented to customers by their neighboring florists.

Box bushes and the evergreen euonymus, E. japonicus and its golden and its silver-leaved varieties, are known to do well in cities. Both of these evergreens are suited when in partial shade, as they are pretty sure to be when near dwellings. There are two evergreen privets, the Ligustrum lucidum and L. japonicum, which thrive well in similar positions, but these two are not as hardy as the box and the Euonymus japonicus. L. japonicum may be called hardy in Philadelphia gardens; L. lucidum needs a sheltered place there. The last named is a lovely evergreen, having large, thick, shining green leaves. It gets through our Winters when well sheltered from wind and sun. The Nordmann, Colorado, silver and other firs do very well; so do the pines; the Austrian, especially, is often observed in a thriving condition. In fact, all pines are to be recommended. Not so much can be said of the spruces—Norway hemlock, white, etc., nor of the retinisporas. Insects infest them to a great degree; still, where a line of hose is handy, as it is in city gardens, insects can be kept under control very well by frequent sprayings. J. M.

Some Evils Worth Correcting.

Having just emerged from a year that has not been without its gloomy aspects, nevertheless tinged with the proverbial silver lining, it may be well for us, at the beginning of a new year, to pause and give a little consideration to some of the most important factors that during the period of depression have to a greater or less degree helped to intensify the untoward conditions through which we are passing, and, happily, have all but left behind.

First in importance among these conditions stands the subject of credits. The exigencies of business have demanded a better regulation of this necessary concomitant in all trade dealings, and not without success, be it stated; but much along this line has yet to be accomplished before the credit system of the country is placed on its smoothest working basis.

It cannot, we think, be questioned that during the financial panic, advantage has been unduly taken of the money constriction to withhold payment of bills long past due; some of these of large amount, others smaller, yet the failure or delay to liquidate all of them has had the tendency to generalize business, making it a much harder matter for all of us to tide over the unfavorable state of affairs with which we have been confronted. As a writer in a recent issue of the Outlook correctly puts it:

"In every stringency a host of people begin by not paying their bills. It is the delay in paying small bills even more than large ones that prolongs hard times, and unjustly and unnecessarily lays the burden on the backs of some of the most prudent and honest members of the community. An honest man always pays his debts. If misfortune overtakes him, the day of the discharge of his obligation is only postponed, it comes as soon as he can make ready for it. But in a time of panic it is every man's pressing duty to pay his debts with the utmost promptness."



E. V. Hallock
Re-appointed Director S. A. F. O. H.

And a curtailment or restriction of credit privileges put in operation, enforced and adhered to as far as possible and practicable, would make the resulting burden of hard times when they do come fall less onerous upon all concerned.

We hope the credit system inaugurated last year so auspiciously and, apparently, successfully, in some quarters will become general in this business, being amended for betterment all around whenever needed improvements assert themselves.

Another evil existing in this as in other industries is unfair competition. This important subject was dealt with in a forceful manner by S. S. Skidelsky in a paper read before the Florists' Club of Philadelphia at its meeting this week. The paper appears in another column, and to it we especially direct the attention of our readers.

All of us have the greatest respect for and admiration of the man who fairly and squarely fights the business battle in which he is engaged; conversely, nothing but contempt is meted out to the individual so well described by Mr. Skidelsky who practices what he terms "foul competition," cutting prices, decriing his neighbor's wares, and generally indulging in methods that are tabooed by all business men possessed of sound principle, of the liberal spirit, and of the view that the world is big enough for all to make an honest living if permitted to do so. It is, of course, a very difficult matter to change the leopard's spots; the "foul" competitor's detested and detestable derogatory drivel is his best and some-

times only asset, and he uses it to the limit, unfortunately not without effect. But when it comes to prices, he who cuts under his neighbor is generally the fellow who is operating under the advantages which credit and delayed or non-payment of bills due and owing afford. Here is his vulnerable point and where he should be attacked. To fight him by employing tactics similar to his own would but lower the status of all business dealings and tend to general demoralization. Deprive him of the weapon where with you furnish him to harm yourself—credit—and the end of his business career will not be long in materializing.

We have referred on several previous occasions to the evil of substitution, the practice of supplying stock not ordered or wanted. It is worth while giving some consideration to this matter, which, harmful alike to buyer and seller, creates lack of confidence and consequent loss of trade, on the one hand, and disappointment and monetary loss on the other.

So in making resolutions for the new year just entered upon, include among your good intentions the helping forward of movements that will tend to regulate our much abused credit system, to ensure fair competition, and to establish within our ranks the reputation of at all times regarding as the highest and strongest promoter of business interests—the "square deal."

Society of American Florists and Ornamental Horticulturists.

Executive Board Meeting.

Pursuant to call by President Stewart, the executive committee met in special session at Horticultural Hall, Philadelphia, on December 28. There were present Messrs. Stewart, Elliott, Kasting, Westcott, Beatty, Farquhar, Traendly, Hallock and Rudd. The president appointed Messrs. Robert Craig and William F. Gude to act in the places of Messrs. Wirth and Murray, who were not present. The president announced that he had appointed W. N. Rudd as secretary of the society, in accordance with the by-laws, to fill the vacancy caused by the death of P. J. Hauswirth, which action was approved by the committee.

President Stewart prefaced his formal announcements of the business before the meeting by a few words, setting forth most felicitously the loss which had been sustained by the society and by the trade at large through the death of P. J. Hauswirth, and on motion a committee consisting of W. F. Kasting, Frank H. Traendly and William F. Gude was appointed to draw up resolutions, which committee later on presented the following report, which was adopted:

Whereas, we, the Executive Committee of the S. A. F. O. H., in special session assembled in the City of Philadelphia, Pa., this 28th day of December, have learned of the sad death of our beloved secretary, which occurred in the City of Chicago, on December 1, 1907. Therefore, be it

Resolved by the Executive Committee of the S. A. F. O. H. that in the death of Mr. Hauswirth, the society has lost a good worker and a loyal friend. His motto always was the greatest good to the greatest number, and best interests of all concerned. For time and ability freely given to the best interest of our society, he stood without a peer. With him the common good was always first; he was ever ready to sacrifice his own interests for those of others. If he had a fault, it was that in his generosity he sacrificed his own interests too much. For time freely given in the best interests of this society and for the welfare of horticulture at large, we are indebted beyond expression.

As an acknowledgment of this debt and as a token of grief we feel at his sad death, these resolutions are to be spread upon the records of this society and a copy sent to his bereaved family.

(Frank H. Traendly,
Signed, W. F. Kasting,
William F. Gude.)

The secretary stated that there was a net balance of the society's funds in the hands of the estate of the late secretary amounting to approximately \$1,500 and that the family were ready to turn this sum over, but under the advice of their attorney had asked that a complete check of all society matters, which had been in his hands, should be made and in order that there should be no uncertainty. The secretary had deemed this also an eminently proper course to pursue, so that any fears on the part of members of the society, arising through groundless rumors which always are circulated in such unfortunate cases, might be set at rest beyond peradventure.

At the afternoon session Mr. Farquhar was unable to be present and the president appointed Edwin Lonsdale to take Mr. Farquhar's place. On motion of Mr. Kasting the Flower Show Committee was authorized to use for awards at the National Flower Show, to be held in Chicago, November, 1908, ten silver gilt medals, 25 silver medals, 25 bronze medals and as many certificates of merit as would be needed for worthy subjects there shown.

The thanks of the members of the committee were then formally tendered to President Stewart for his long service as secretary and president of the Society of American Florists and Ornamental Horticulturists.

Appointment of Director.

President Traendly has appointed E. V. Hallock of Queens, N. Y., as director, to fill the vacancy on the executive board of the S. A. F. O. H., occasioned by Mr. Traendly's election as president.

W. N. Rubin, Secretary.

Registration of a Hydrangea.

Once more, in his usual vigorous style, and with his natural impulse to attempt to clear the real issue in the now well-known hydrangea registration case, the "editor of our Boston contemporary, who is also the ex-secretary of the S. A. F. O. H.," as well as the ex-registrar of the national society, responsible for the "official" publication of the name *Hydrangea arborescens alba grandiflora*, tenders an additional excuse; and, as is his wont, in doing so plunges himself deeper into the mire of condemnation, for his official act complained of, in which he has been wallowing from the time exception was first taken to the registered name in question. He now advances the innocent statement: "The truth is that nothing has appeared thus far to show that Mr. Hill's variety of *Hydrangea arborescens* has been compared with the specimens named by Torrey and Gray in 1849. This could be done next Summer when the plants are in bloom and the question of identity, at least, settled properly." And then he goes on to tell about what "may" and what "might be," etc. Facts, not speculative theories, are now demanded. It may enlighten our contemporary to state that the self-same hydrangea is being listed and sold by firms other than the one he mentions under the name given it by Torrey and Gray—*H. arborescens var. sterilis*. Evidently these concerns, at least, were convinced of the "identity" of the plant.

It is admitted by the firm registering the hydrangea that they knew plantmen who had the hydrangea in question "growing under their very noses for years and years," before the new name was sent in to the S. A. F. O. H. registration department (see letter in Horticulture, page 573, issue of November 2, 1907), thus demonstrating a prior knowledge of the plant's existence, and it requires no "distorted" imagination to assume, at least, that before registering their name, an effort should have been made to establish their right to register the appellation now called in question before submitting the same to the "Brother Registrar" of the S. A. F. O. H. for publication. This was all the more necessary in view of the fact that the national society and its official "accept without question all names submitted for registration," a condition which admits of the registration of a name for any plant, new or old, or for no plant at all so far as the society knows, and which at the same time holds the S. A. F. O. H. responsible for the registration entry, not a wise measure, to say the least.

Again, if comparison as to "identity" of the plants referred to is possible "next Summer," it is no "distorted" imagination that would conclude that a similar comparison was possible, if desired, anterior to the registration entry being made, the conditions for such comparison being available then as well as next year, both to the firm registering and the S. A. F. O. H. registrar.

The better plan for all concerned in the meantime is, as we have previously suggested (never demanded), for the Messrs. Hill to withdraw the name they have attached to the hydrangea until the "mays" and "might bes" propounded by our shifty contemporary have been indisputably settled in the most practical and convincing manner; and this course the usual good judgment of this well-known and careful firm will doubtless debate, especially in view of their statement that "had they known of the previous name they would not have suggested any other." On this latter point, it seems to us, they now have been convincingly informed.

At all events, further "excuses" tendered with the view of assisting our esteemed friend out of his "plight," though characteristic, are worse than useless; and there has, we think, been adduced evidence enough, and no doubt more can be forthcoming if wanted, to call for the necessary action in the premises on the part of the S. A. F. O. H., to the end that the work of its registration and nomenclature department shall be backed up to an authoritative and reliable, and not regarded as being a mere farce.

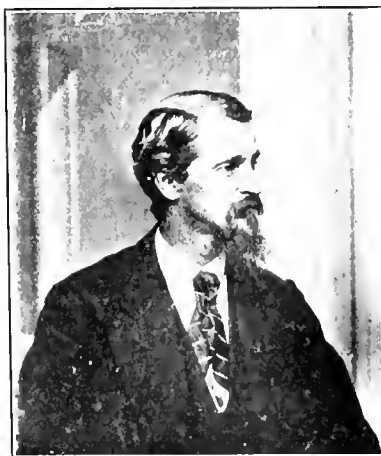
The matter is closed so far as we are concerned. It was referred to more to demonstrate the weakness of what should be, if properly conducted, an unassailable and reliable national registration system, than to confirm the acknowledgment of the ex-secretary of the S. A. F. O. H. that he was not "omniscient" in horticultural matters, a fact so

it would be hard to prove, at least, needed to be directed to it. The speech, just he has shown in this discussion is as much to be regretted as his attempt to gloss over something that surely demands investigation, if not condemnation, is far from creditable.

The Late A. B. Howard.

Arthur B. Howard, one of the oldest and best known florists, seedsmen and fruit growers in Massachusetts died at his home in Belchertown, Mass., December 26. He was born in Belchertown, June 1, 1838, and had lived on the place where he died nearly all his life. He leaves a son, Everett C., and a daughter, Naomi, both of whom live at home. Mr. Howard was a man of strong personality, sterling integrity and tireless energy. When in his late teens, he lived about two years at Oneida, N. Y., where he got his first training in horticulture. He was the originator of the best varieties of yerbenas and zinnias, which have been widely distributed, and his Star petunia, introduced six years ago, is now catalogued by nearly all seedsmen in this country and Europe and regarded as the best of bedding varieties. His standard of perfection was very high, and he usually worked on his new varieties many years to get them as near his ideal as possible before introducing them. It required twenty years of breeding and selection to fix the characters he desired in the Star petunia.

Mr. Howard was also a large and successful grower of the apple, pear, peach and strawberry. He grew the latter fruit for market more than fifty years, and was the first to grow it for that purpose in this section. During the past twenty-five years he raised and fruited over ten thousand seedling strawberries from crosses of the best named varie-



The Late A. B. Howard

ties, working to produce the ideal sorts and some of these proved so much better and more profitable than the best named kinds with him that he grew them almost exclusively for fruiting. None of them was disseminated, as he proposed to keep them for his own use, and his fruit usually sold for higher prices than the best from other growers. He was a frequent contributor to agricultural and horticultural papers and a regular exhibitor of his products at fairs, his exhibits having been awarded about two thousand premiums during the past thirty years.

The business will be continued by his son Everett C., who is also a capable and enthusiastic horticulturist. L. W. G.

What is the Value of a Fruit Tree Four Years in Orchard?

A few years ago I was called upon to assess the loss upon an orchard that had been burned, the tree originating from a railroad. The trees in this case were about twelve years old, and were bearing fair crops of fruit. I assessed the damage at fifty dollars a tree.

The New York Central Railroad recently called upon me to estimate the value of two trees about thirty years old that had been injured and partly torn out by having a derrick cabled to them. I examined the trees, which were in a fairly good condition, and bearing quite regularly from five to six barrels of apples some years and from three to four barrels others. The value of these trees I assessed at one hundred dollars apiece, as they pay above six per cent. annually on their value. Had they been in perfect condition, and as large as many trees are that produce from seven to ten barrels, I

should have assessed them at one hundred and fifty dollars apiece.

The value of a tree of this size, four years old, can be had not only on the four year's time, but in their development. For the four years additional required to get another lot of trees up to their value, which will make eight years. At that time many varieties will produce from \$1.75 to \$2 income per tree. I would place the damage at \$2 a tree, in this case, as they would produce an interest of six per cent. upon their value with an increase each year thereafter. GEORGE T. POWELL, in National Nurtureman.

OUR READERS' VIEWS

Salvia Zurich.

Editor Florists' Exchange:

We were much pleased with this new idea the last season and advise anyone growing salvia to try it. It has proven superior with us and other florists here to the well-known Eouire and Lord Familyroy, which we grew before, and we are now growing it exclusively. We were surprised to see our plants in bloom by the end of June, though they were much younger than the older kinds, and they kept on blooming just as long as the rest. We did not have very many plants last year and used it as far as we could with our particular trade, who must have a bed of scarlet sage every year, and they were delighted to have the plants bloom so early, where in other years the older early flowering varieties were hardly at their best by the end of August.

The growth of S. Zurich is not nearly so tall as that of the older sorts and it seems to flower much more freely, while the color is of the brightest scarlet. All who have a trade in bedding plants should grow this new kind in large quantities; it is a good thing and out of the experimental stage. S.

Ohio.

The Cost of Seed Catalogues.

Editor Florists' Exchange:

It is not often that the columns of The Florists' Exchange afford opportunity to the critics to "jump on" statements therein conveyed, but by that of your correspondent, signing himself "V.," page 8, issue of January 4, 1908, wherein he says that every seedsmen must "deplore the fact that every seed consumer in America who purchases \$1, or even less, of seeds, naturally will receive at the very least seed books whose absolute printing cost has been surely much in advance of \$2," such an opening is afforded.

The writer has never seen census or other statistics giving the number of purchasers of seeds in the United States, but a conservative estimate would be that there are at the very least 2,000,000 such. This, according to "V.," would place the total value of the seed catalogues distributed, including mailing cost, great and small, at \$1,000,000. I figure the cost of his catalogue to each dealer in the trade does not average \$2,000. If this is at all correct, "V.'s" statement would give us 2,000 seedsmen in the United States handling fairly large catalogues, but the actual fact is there are not 250 such firms. After we have listed some 50 to 75 of the largest of these, issuing all the way from 400,000 catalogues down to 25,000, the other 175 to 200 dealers will not average a circulation of 10,000 copies. There may be in addition from 500 to 5,000 small seed houses issuing catalogues whose average cost would not exceed \$250 to \$300.

How in the world "V." figures a loss of \$1 on each purchaser of seeds puzzles me! In this connection where do the seedsmen of the United States come in at the end of their financial year after pocketing a loss of a straight \$2,000,000?

A rough calculation shows about 7,500,000 seed catalogues issued annually, which at an average cost of six for one dollar, including mailing, and which I think a very fair allowance, indicates a manufacturing cost annually to the seed trade of \$1,250,000.

STATISTICIAN.

A NOVELTY IN TOMATOES. The Southern California Acclimatizing Association, Santa Barbara, Cal., draw attention to the new *Tomato Regina Sabae*, introduced by that firm from Rhodesia, South Africa, which, they say, ranks high among the best of bigonias and bromas, for many years great favorites in California gardens. It is described as being "an extra vigorous grower; foliage shining, light green, most finely cut; flowers measuring three inches across are in terminal panicles. They are of a rich, rose-garnet color, and also sweet scented, and continue to appear from the end of September until May.

It is named after the Queen of Sheba, of Biblical fame, this plant having been found rambling over the ruins of Zombazi, Rhodesia, where recent investigations have located the capital of her ancient kingdom of Ophir."

American Carnation Society.

The seventeenth annual meeting and exhibition of this society will be held in the National Rifles Hall, No. 918 G street, N. W., Washington, D. C., January 28, 29 and 30, 1908. Exhibition on the first floor, sessions on the second floor. Address all exhibits to Chas. McCauley, National Rifles Hall, No. 918 G street, N. W., Washington, D. C.

Express charges on all exhibits must be prepaid.

Special tables will be provided for exhibits not intended for competition.

For exhibits other than carnations arrangements must be made through Chas. McCauley, Washington, D. C., Eighteenth and Kearney streets, N. E.

The society provides vases of uniform size for exhibitors' use respectively for 100, 50 and 25 blooms. It is obligatory upon exhibitors to use these vases for classes A and B, and for entries for certificates of merit.

In all other classes exhibitors have the option of using the society's vases or providing their own, as they may elect.

Rules and Regulations.

1st. All entries must be forwarded so as to reach the secretary, Albert M. Herr, Lancaster, Pa., not later than Wednesday, January 15. Exhibitors from a distance will please note the date and mail accordingly, as a charge of \$1 for each variety entered will be made for those not entered as above requested.

2nd. All entries not staged by 1 p. m., January 28, will be disqualified from any and all competition excepting for "certificate of merit."

3rd. None but members of the society are eligible to compete for any prizes, medals or certificates.

4th. All exhibits for competition must have the variety correctly labeled, if a named sort, or numbered if an unnamed seedling. The society will furnish a uniform card for this purpose, and varieties not labeled or numbered with this card will not be judged in any of the classes. The secretary will typewrite these cards for exhibitors who get their entries in early enough for him to do it, and furnish them to the exhibitor in Washington any time during the morning of January 28.

5th. The same vase is not allowed to compete for more than one prize, excepting those entered for certificates and where otherwise stated.

Papers.

The following papers will be presented:

"Experiments in Carnation Growing by the Department of Agriculture," by Dr. B. T. Galloway, Washington, D. C.

"Carnation Breeding," by Prof. J. B. Norton, Washington, D. C.

"What the buyer of a New Carnation should expect from the Originator," by S. S. Skidelsky, Philadelphia, Penna.

"What the Originator of a New Carnation should expect of the buyer," by W. N. Rudd, Morgan Park, Ill.

"Special Points on Carnation Hybridizing," by Peter Fisher, Ellis, Mass.; C. W. Ward, Queens, N. Y.; Fred. Dornier, Lafayette, Ind.; and Richard Witterstaetter, Cincinnati, Ohio.

"Cultural Methods for Carnations," by Irving Gingrich, South Bend, Ind.

Question Box.

This feature of the society is always open and if members will kindly submit their questions to the secretary, Albert M. Herr, Lancaster, Pa., before January 20, their questions will be assigned some competent party to answer.

Rules Governing the Award of Certificates of Merit.

A variety must have been bloomed not less than three years; not less than fifty blooms must be shown, and an entrance fee of \$5 is charged for each variety. The variety must be properly labeled with the society's card. (See Rules and Regulations.)

Preliminary Certificate.

This can be competed for by two-year-old seedlings, twelve blooms or more to be shown, and an entrance fee of \$2 paid for each variety. The variety must be properly labeled with the society's card. (See Rules and Regulations.)

General Premiums.

Class A is open to all varieties, seedlings or standard sorts. For vases of 100 blooms the first prize is \$10; the second, \$6, the classification being as follows: White, Enchantress shade of pink, Lawson shade of pink, Winsor shade of pink, scarlet, crimson, yellow variegated, white variegated, and any other color.

Class B, vases of 50 blooms, open to all varieties disseminated prior to July 1, 1907. The prizes are, first, \$5; second, \$3, the classification being: Lady Bonnetful, White Perfection, any other white, Enchantress, any other Enchantress shade of pink, Winsor, Pink Enchantress, any other pink (this shade), Lawson, Aristocrat, Pink Imperial, any other dark pink, Robert Craig, Red Chief, Victory, Beacon, any other scarlet, Mrs. M. A. Patten, Imperial, any other white variegated, Harry Penn, Harlowarden, any other crimson, Eldorado, any other yellow variegated, Prosperity, any other color; three prizes may be awarded in the last named class.

The American Carnation Society Medals.

Gold, silver and bronze medals will be given for the best, second best and third best vase of 100 blooms, any variety, any color.



Carnation President Seelye

Grower and Introducer, H. W. Field, Northampton, Mass.

Special Medals of the Society of American Florists.

A silver medal and a bronze medal, respectively, will be awarded for the best and second best vase of 50 blooms of carnations not yet disseminated; the variety to be in all cases of American origin.

Judges are to reserve awards in this class if in their opinion the exhibits are not worthy of the medals.

Special Prizes.

The Henry E. Michell Company, Philadelphia, Pa., offer a silver vase valued at \$10 for the best 100 blooms of carnations in four varieties, twenty-five blooms to a variety. Open to private gardeners only.



Part of Bench of Carnation President Seelye

Grower and Introducer, H. W. Field, Northampton, Mass.

Photo taken after Christmas Week, 1907

Peter Bisset, Washington, D. C., offers \$10 in gold for the best display of carnations grown by a private gardener distinct from Michell's prize.

Peter Fisher, Ellis, Mass., offers three prizes for the best fifty blooms of Beacon, first, \$12; second, \$8; third, \$5.

Geo. H. Cooke, Washington, D. C., offers \$10 in gold for the best 25 blooms pink seedling or sport darker than Enchantress and lighter than Lawson, never before winning a prize or medal. Those having a preliminary certificate eligible. Entries for this prize will not be eligible to compete for any other prize.

Geo. C. Shaffer, Washington, D. C., offers \$10 in gold for the best vase of 50 blooms, not more than three varieties, open only to growers having less than 20,000 feet of glass.

S. C. Briggs, Washington, D. C., offers \$10 in gold for the best vase of white carnations, 50 blooms, distinct from other entries.

John Robertson, Washington, D. C., offers \$5 cash for best 25 blooms of Winsor, distinct from other entries.

J. J. Harty, Washington, D. C., offers a silver cup to the exhibitor making the largest display—all vases in all classes being counted as part of this display.

Z. D. Blackstone, Washington, D. C., offers \$10 in gold for the best 50 blooms of white carnations, distinct from other entries.

C. A. Goldsmith, jeweler, Washington, D. C., offers a cup or stein for the best fifty blooms of red—new or standard variety. Vases for this prize not to be entered in any other class. Red meaning Beacon, Victory or Craig shade of red.

Notice.

The one and one-third fare (railroad concession) has been again secured, and in order that we may not fall short of the required number every member is requested to use this certificate method and solicit the company of some fellow florists from his vicinity. We want not only a good show but a big meeting, and your hearty cooperation is requested. Come and meet old friends and make new ones. Come, get acquainted with the men with whom you do business.

Special.

With an attendance of almost two hundred at our last year's meeting, we had to hustle to get the required number of certificates, and could not get the agent to sign them until the last minute, causing much annoyance and delay. Even if you do not save money or do not intend to use your return certificate, kindly take a few minutes and get one to help the fellow along to whom it means dollars and cents.

Come.

With the meeting in the Capital of the United States the Breeders' Association meeting at the same time and a program such as is here offered we ought to have the largest meeting in the history of this society. To assure this we want not only our own members to come, but as many prospective members as you can persuade to accompany you.

Hotels.

The Raleigh will be headquarters. It is a first-class hotel and can accommodate all of our members who wish to stop there. The rate is from \$2 per day upward.

Special Notice.

If you wish to save yourself and the society trouble at the next meeting, kindly send check to the value of \$2 for your dues for 1907, and \$3 for new members. Make checks payable to Albert M. Herr, secretary, and mail the same to him at Lancaster, Pa.

Two Judges and One Director to Elect.

There will be two judges to elect at this meeting to replace Wm. Nicholson, whose term expires, and William Scott, who has resigned on account of ill health.

There will be one director to elect at the meeting to replace J. S. Wilson, whose term expires with this meeting.

ALBERT M. HERR,
Secretary.

FRED LEMON,
President.

Carnation President Seelye.

This carnation is a seedling from Mrs. T. W. Lawson and The Queen, and is now in its fourth year. During the past three years we have thoroughly tested it and under every condition it has proved to be a profitable variety. The condition under which it has proved to develop best is in a moderately heavy soil and in a night temperature of not more than 50 to 52 degrees. With this treatment a splendid growth is developed which produces an abundance of long-stemmed, fine-formed flowers, 3 to 3½ inches in diameter, with absolutely no split calyxes and very few second grade blooms.

The photographs herewith shown were taken Christmas week of last year and for weeks previous to this time the flowers were fully as good as those seen in the picture, which prove it to be a fine Midwinter carnation. The flower when opening is creamy white, sometimes shaded with pink; when fully open a pure white.

Northampton, Mass.

H. W. FIELD.

Competition, Fair and Foul.

Read before the Philadelphia Florists' Club by S. S. Skidelsky, January 7, 1908.

Competition, it is claimed, is the life or trade, and so perhaps it is, provided, of course, the "live and let live principle" is not lost sight of. It is an axiomatic truth—and we are beginning to realize it, to some extent



S. S. Skidelsky

at least that success in its broader sense hinges, not upon the failure of others, but upon the general welfare and prosperity of the community. The idea that one man's failures constitute another man's success, or vice versa, as we have been led to believe by those whose vision is circumscribed by the

ramifications of their pocket-books, has long since been relegated, in theory at least, to the rubbish heap of similar fallacies, having no foundation in fact.

The progressive business man of to-day is inclined to take a more rational and a broader view of business conditions and business opportunities. It begins to dawn upon him that the fundamental principle underlying the success of any enterprise, great or small, must first of all be sound in itself, else no enterprise can possibly endure.

Go where we may and look where we choose, the signs of the times point clearly to a general awakening of public conscience to a general revival of that spirit of justice which, since times immemorial and throughout the whole range of history—both ancient and modern—was never known to fail in its struggle for a worthy cause.

We seem to realize at last that the "corrupt man of business," to quote President Roosevelt, "is as great a foe to the country as the corrupt politician." We hear it also from the pulpit, at the banker's table, in the corner grocery store. We seem to realize that the time has come to call a halt to iniquities, that God Almighty had never intended to concentrate all the privileges and all the opportunities in the hands of the few, that the world is broad enough for all willing to try their chances in it.

It is claimed—and not without good reason perhaps—that the wave of materialism which has swept our country is gradually expending its force and that the succeeding generation will witness a complete transformation in our ideals and in our moral make-up. Be that as it may, the fact is patent that our tendencies and aspirations are still steeped in the mire of greed, that we are still resembling our brothers in the jungle, one arrayed against the other, the strong preying upon the weak, the mighty crushing the small.

That green monster, jealousy, prompted by the inexorable dictator, the almighty dollar, does not only rule us but it rules us with an iron rod that, at times, and to many of us, is well-nigh unbearable.

"Peace on earth and good will toward men," is a beautiful injunction, having the right ring to it—in church, but nowhere else. In our daily intercourse with our fellow men we cannot possibly be governed by such obsolete rules.

"Business is business" bears a more practical sound to our ears. It is our favorite slogan and, in our estimation, it is broad and powerful enough to cover up a multitude of sins.

It is not my object, however, to deal in platitudes, nor do I wish to assume the role of the preacher, whose business it is to exhort his audience.

The subject I have chosen for my paper need not necessarily take me into a labyrinth of figures and data in order to prove that two multiplied by two makes four. Nor need I depart far from my course in quest of examples in order to illustrate the striking contrast between the methods of fair and those of foul competition. Examples of either and both are at our very doors. We behold the one with a feeling of satisfaction and we become inspired with confidence in our fellow-man—the sight of the other fills us with disgust and suspicion.

Fair Competition.

Fair competition courts the light of day. Having nothing to fear and nothing to conceal, it stands upon a pedestal of its own creation, firm and indestructible, in full view of an exacting multitude, being eager to prove and to convince, striving to achieve its success not by the chthonian way of fraud and deception, but by the straighter path of honorable means and honest business methods. Fair competition believes in the "live and let live principle." Having learned that lesson in its own school of experience, it is eager to promulgate its truth to the world at large, causing no detriment to its own interests, no ill results to its own pocket-book. It is like an open book, accessible to all wishing to peruse its pages. Fair competition goes into the open market, firmly convinced that merit must and will win in the end, that success, if it is to be permanent, must rest not upon a quicksand of uncertainty, but upon a bed rock of stability. It makes no rash promises, it shuns reckless statements, it abhors fabrications and adulterations of all sorts, ever aiming to improve rather than to cheapen quality, ever striving to win and to hold public confidence without which success is impossible.

Fair competition does not eringe, does not fawn and does not sham, such despicable methods being foreign to its business policy. Nor does it concern itself with the affairs of its rivals for the purpose of ascertaining their methods in order to underbid and to undersell them.

ing profit. A race of people who are free from eating examples of concern that may go to the wall because of such reason, and of others that are being that way by leaps and bounds.

Having arrived at this logical conclusion, fair competition becomes conscious of its own impregnable position. It has cast its anchor, as it were, in the harbor of safety, never fearing the assaults and calumnies of the numerous "cheap Johns" who would fain see a tidal wave engulf their successful competitor.

Foul Competition.

I doubt if any of the gentlemen present here will take exception to my assertion that foul competition is a curse to the business world. Being utterly devoid of business or any other principles, foul competition works on the assumption that there are fools plenty eager to swallow the tempting bait—hook and all—called "cheap." Cheap! The very word has a sinister meaning if considered in its proper light. Cheap bulbs, like cheap clothes, yield but cheap results. Cheap plants come dear in the end, a cheap design, a floral monstrosity at so many nickels or dimes per foot, is a veritable eyesore, as well as an insult to the dead, and so all along the line.

Foul competition does not end here, however. There is a type of it, so low and degraded, so vile and treacherous, that the wonder is how any respectable and self-respecting business man can tolerate the moral stench of its very presence. Conceal-



Christmas Plant Display of John Coombs, Hartford, Conn.

If John sees fit to peddle his Finch geraniums at 60c, or 75c per dozen, heralding that fact for months in advance in the "locals," with a view of cornering the geranium market and incidentally to put his rival out of business, it is John's own affair, of course. Fair competition does not attempt to follow his methods, much less to "go him one better," knowing full well that such prices do not cover the cost of production, let alone a living profit; realizing that by attempting to corner the market John will inevitably get into a tight corner himself, and it is seldom indeed that it errs in its judgment.

Fair competition has nipped out its own way of doing things and it follows its own business methods. It reasons thus:—All things being equal, the cost of production plus the cost of marketing the product, plus a legitimate profit, the price to the consumer must be clearly defined and based upon strict business lines, that any deviation from this straight business course either one way or the other must inevitably result either in a loss of confidence and custom, if the quality of the product be cheapened, else in financial ruin to the concern itself if quality be maintained at the expense of its legiti-

ed in iniquity and fostered in an atmosphere of fraud and corruption, unscrupulous, morally distorted, suave and cunning, foul competition has but one object in view and that to attain its ignoble end regardless of means. In its anxiety to grasp everything within sight it is by no means content with the "purse" only, which the greatest poet of all times characterizes as "trash" and the slave of thousands. It goes a step or two further, considering it good business tactics to reflect upon the name and the honor and to attack the reputation of a rival in business. It never occurs to these fellows that "he who steals my purse steals trash, but he that filches from me my good name robs me of that which not enriches him and makes me poor indeed." Honor and justice mean empty sounds to their ears, and business ethics are an unknown quantity to them. They will not at all hesitate to tell you that the design or the decoration put up by Mr. Brown is not worth half the price paid for it, that the work is poor and that Mr. Brown is a foxy fellow anyway, one who will bear watching, on the road they will make it their business to sling dirt in every direction, in the hope of striking some competitor or other, leaving a trail of moral

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 23rd St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Delivers anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2310 and 4065.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Dallas, Texas.

LANG, THE FLORIST, the largest flower store in the South. Floral designs and all flowers in season; personal supervision and prompt service in Oklahoma, Texas, Louisiana. Mail and telegraphic orders solicited.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National reputation and we are prepared to execute commissions in that best style in Chicago and its environs.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

fifth behind them that, to the fair minded man, is nauseating in the extreme. They will pick up a plant of a rival concern and will pass judgment upon it there and then; in their estimation it is a very poor specimen, indeed, the price paid for it being most unreasonable, of course.

New varieties of carnations lend themselves especially to attacks and to "knock-out blows," and these are often dealt without mercy. "Don't touch it," you will hear them say, "it is a cropper, it has a weak constitution, it makes a measly growth, the calyx bursts, the blooms are ragged, the stem is short, and you had better leave it alone." And all this result without having the faintest idea of the true merits or faults of the variety in question.

If it be a bunch of lily bulbs going or gone to the bad, as often happens, here is a splendid opportunity to put in their ghastly work. As a matter of course, the concern that supplied these bulbs is to be blamed for the poor results. The concern in question, they will tell you, is a back number anyway and is losing prestige and ground every day. In fact, there are all sorts of rumors. Has not somebody told him of somebody somewhere in Missouri or Connecticut who had a similar experience with lily bulbs bought of this very unreliable concern? In fact, Mr. So and So had the same trouble during the past few seasons, "but now that he has our bulbs, you ought to see his lilies—perfect peaches and no mistake."

To be sure, men of this ilk soon show their true colors and, like all scamps, they will sooner or later defeat their own ends. Nevertheless, the mischief they create has, for the time being at least, a demoralizing effect upon an otherwise clear business horizon.

The Remedy.

How to discourage such abominable practices, how to counteract such pernicious influences upon the trade are indeed vital questions that are well worth our while to consider seriously. If it be true, as somebody has aptly put it, that "no shady transaction can stand the limelight of publicity," it may be worthy of our effort to turn on that light in its full force. Says Dr. Torrey, the evangelist, "A business man who says that every other business man is dishonest or a liar is a liar and a thief himself." An evil that affects us all alike must not be ignored. A sneak at random, to say the least, is a troublesome creature indeed.

CLUB AND SOCIETY DOINGS.

NEW JERSEY FLORICULTURAL SOCIETY.—Installation night was observed on the 3d inst. by this society when president, Malcolm MacRorie; vice-president, Henry Hallig; secretary, Orson A. Miller, and treasurer, William Reid entered upon their duties for the current year. Satisfactory reports for the past year were read by secretary and treasurer, and the winners of the prizes in the competitive monthly shows announced as follows: First, Peter Duff, gardener to Mr. J. Crosby

Brown; second, William Reid, gardener to the Colgates; third, Max Schneider, gardener to Mr. Charles Hathaway; and for the special prize for growers without glass, Arthur T. Caparn, gardener to Mr. Stewart Hartshorne. Among the awards for exhibits entered not for competition, certificates were given to E. R. Pierson Company, Lager & Hurrell, Julius Rochus Company, W. A. Manda, Robert Scott, Thomas Jones, Joseph A. Manda, J. C. Williams and Henry Hornacker. Cash prizes aggregating forty dollars were given by the following: Peter Henderson & Company, J. M. Thorburn & Company, Vaughan's Seed Store and E. R. Pierson Company.

Orchids were shown by Lager & Hurrell, Thomas Jones and Orson A. Miller, East Orange, N. J., the new secretary, who has come out as a grower for the trade. All of these men speak of a revival of interest in the cypripedium, which of late has been partially eclipsed by the more brilliant but now so common cattleya. A vase of Anthurium Andreanum giganteum was displayed by Joseph A. Manda; roses by Mr. Douglas Robinson (John Garvan, gardener) and violets by Mr. Charles Hathaway (Max Schneider, gardener). Two new members were elected—E. Dare, Maplewood; and Stewart Dickson, West Orange. It was decided to hold special carnation, rose and dahlia nights, also a Fall chrysanthemum show. An invitation to the smoker of the Morris County Gardeners' Society on the eighth was read and a committee appointed to represent the home organization. J. R. D.

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

A Unique Christmas Window Display.

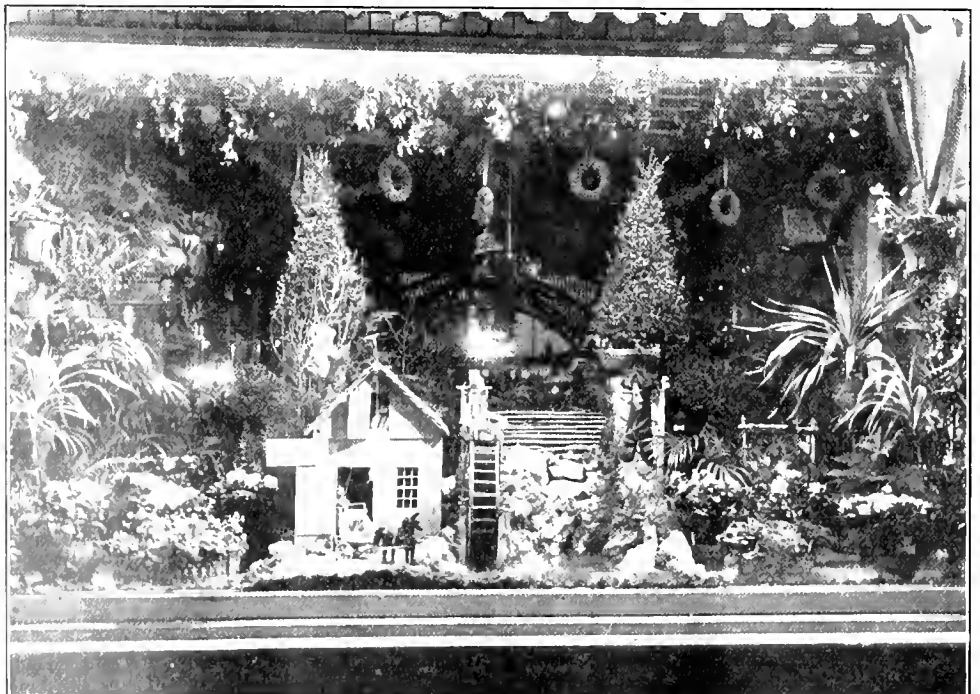
Our illustration herewith shows how the window of John Coombs, florist, Hartford, Conn., was decorated for Christmas. A local paper thus describes the picture:

"For the holidays a woodland scene is laid, with an old grist mill and wheel grinding away as natural as life. The scene is supposed to be laid in Scotland and a verse nearby runs as follows:—

"There was a jolly miller
Once lived on the River Dee;
He wrought and sang the hale dae lang,
Sae lark mair blithe than he."

"At other times this window is piled high with rough stones and the water comes trickling down, and the real fish swim in and out among the plants. One can almost hear the brown thrush among the blooming plants singing his roundelay."

The other illustration represents the Christmas display of Mr. Coombs.



Christmas Window Decoration of John Coombs, Hartford, Conn.

Dreer's Seventieth Anniversary.

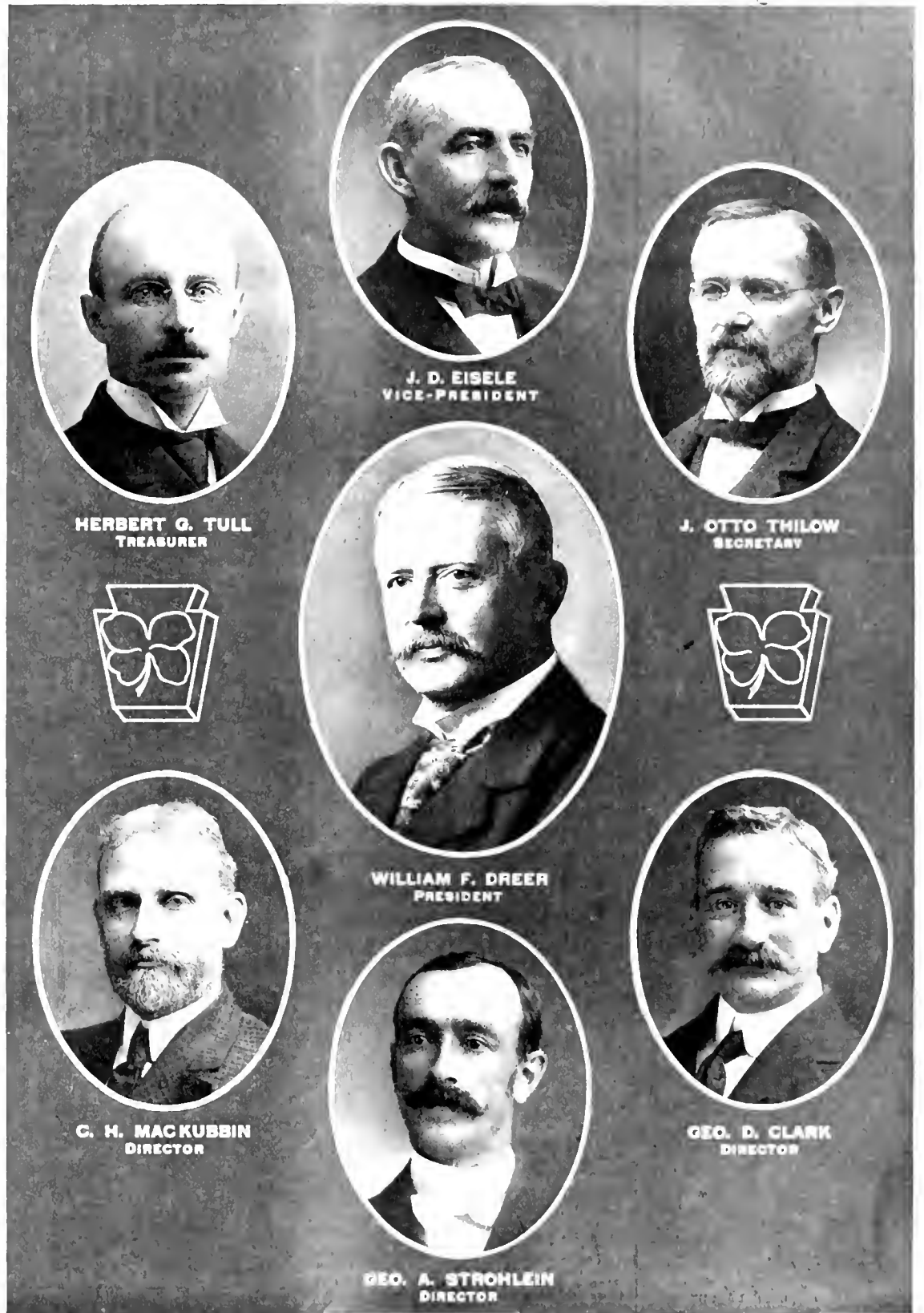
This year the well-known house of Henry A. Dreer, Inc., Philadelphia, Pa., celebrates its seventieth anniversary, and Dreer's Garden Book for 1908 contains much information concerning the development of the concern's business in all its branches, the text being accompanied with many illustrations, one of which is a photographic reproduction of the firm's first catalogue, which consisted of but two pages, issued in 1838, listing what was then a complete assortment of vegetable, flower and agricultural seeds. It is interesting to note that this list included every kind of vegetable which the house has today, with the single exception of Brussels sprouts. One hundred and twenty-three varieties of flower seeds were then offered of which eighty are still listed. Many of the names on the list are still the favorites of professional and private planters today, but they have been greatly improved by selection. Among the varieties of vegetables offered seventy years ago were the Valentine bean, large Lima bean, Drumhead cabbage, Long Orange carrot, White Spine cucumber, large purple egg plant, white, yellow, and red onion, large sugar parsnip, scarlet turnip radish, red turnip-rooted beet, and the white flat Dutch turnip.

The firm name was at first known as Hirst & Dreer; but Mr. Hirst's connection with the concern was brief, less than two years. From the first the active management of the business was in the hands of Henry A. Dreer, then 20 years old, and after the withdrawal of his partner, Mr. Dreer continued to conduct the business with unusual industry and intelligence. Henry A. Dreer died in December, 1873, and was succeeded by his son, William F. Dreer, whom he had trained in the conscientious and earnest methods which distinguished the business from its foundation.

A fact noted by the firm is that the vast increase in production and improvements in methods have wrought an amazing reduction in the price of best seeds. Varieties which were listed in the first Dreer catalogue at 12½ cents per packet may now be had for 5 cents. Bulls that cost 85 apiece a half century ago may now be probably sold for 15 cents.

Some idea of the extent of the firm's business may be gleaned from the statement that it requires a force of not less than 175 men and women to operate the various departments at all seasons of the year, and during the busy season in Spring there are seldom less than 200 employees. Of this number fifty to sixty are engaged at the store, office and warehouse in Philadelphia, the balance at the greenhouses and nurseries at Riverton, N. J. A large number of men began their business life as boys in the establishment; several have served continuously for forty years, a score or more for over twenty years, and a very large number for ten years or more.

William F. Dreer, although active in the business for forty years, is still at the helm, in the strength and vigor of middle life. He began business with his father as soon as he left school, who gave him a thorough training in all departments of the business. At the age of eighteen he spent a season with one of the largest seed growers in Germany, and a season in a famous French seed establishment in Paris. In 1892 the business was incorporated under the name of the honored founder, with William F. Dreer as president. By this move he associated with himself as directors a number of the firm's oldest employees, men whose intelligent and faithful service has aided greatly in building up the vast industry which the corporation now represents. Jacob D. Eisele, vice-president, who has risen from the ranks, having started as a boy in 1876, is in charge of the nursery department and greenhouses at Riverton, N. J. Herbert G. Tull, treasurer, has served the house for over twenty years, and is responsible for the management of the office. J. Otto Thilow, secretary, has been connected with the firm since 1881, and is in charge of the store and sundry department. George A. Strohhlein has been connected with the nursery department for over twenty-five years, and is associated with Mr. Eisele in its management. George D. Clark, who is in charge of the flower seed and bulb department, has been with the house since 1856. C. H. MacKubbin has been in charge of the vegetable and agricultural seeds for nearly ten years.



THE PRESIDENT AND HIS STAFF

The Henry A. Dreer Inc., Philadelphia, Pa.

Courtesy of the firm.

Among the new varieties of vegetables introduced by this firm are mentioned the Hanson lettuce, Dreer's Improved Pole Lima bean and the Dreer Bush Lima bean, a dwarf growing type of the former; Golden Cluster Wax Pole bean, Dreer's Perfect Forcing carrot, Dreer's Aristocrat sugar corn, Dreer's All-Heart lettuce, Dreer's Dwarf Perfection parsnip, Dreer's Electric peas, Dreer's Standard potato, Dreer's Crystal Forcing radish, Dreer's Superb tomato and many other varieties which have become standard sorts and are now extensively grown.

The development of the flower seed department of the firm has been phenomenal.

Seventy years ago the list of flower seeds comprised less than three hundred sorts; today over twelve hundred species and varieties are offered in the thirty-six pages of the current year's catalogue. Many of the strains of flower seeds raised by Henry A. Dreer have a world-wide reputation, notably the double fringed petunias, which have been a specialty with the concern for over half a century, every seed of which is raised at the nurseries. Among other seeds which receive special attention are the mentioned asters, cinerarias, cyclamen, nasturtiums, pansies, pinks, poppies, primulas, salvias, stocks, sweet peas, verbenas, zinnias, etc. Seeds of

the various hardy perennials are, to a great extent, saved at the Riverton nurseries, over one hundred and twenty-five varieties having been saved during the season of 1907. The gathering, cleaning, etc., is done by careful men.

The growth of the bulb department of the firm has also been wonderful. Its sales of bulb stocks have increased over 300 per cent in the last ten years, over six million bulbs having been sent out in the Autumn of 1907, enough to fill a box six inches apart in a single line, to a total distance of over one hundred and fifty-eight miles, or from Philadelphia to beyond Columbus, O., or

almost from Boston to Richmond, Va. Careful tests are made annually of new varieties to ascertain whether they are worth the high price that novelties in bulbs usually command.

The best indication of the extent of the firm's trade is reflected by its catalogues. The little two-page list issued in 1878 had an edition of a few hundred; the present Garden Book contains 248 pages, replete with offerings to meet all horticultural needs. In addition there is a Midsummer list issued in June, the bulb or Autumn catalogue issued in September and various smaller lists sent to florists and market gardeners, reaching a total of nearly 300,000 copies, requiring over 150,000 pounds of paper to print them and an outlay of more than ten thousand dollars to mail them to customers in all parts of the world.

For over half a century the Dreer establishment has been foremost in the introduction of new and rare plants, either collected from their native habitats, or introductions from the world's most noted hybridizers. This branch of the business has in recent years been greatly developed and extended.

The decorative and ornamental foliage plants occupy nearly five acres of greenhouse space, and the firm has been the means of bringing many varieties of palms, araucarias, pandanus, etc., within the reach of everyone. In addition a specialty is made of stove and warm house plants, as well as of the hardier greenhouse plants, such as anthuriums, aralias, aloccasias, ardisias, crotons, caladiums, dieffenbachias, dracaenas, ixoras, marantas and hundreds of others.

Over sixty-five thousand square feet, or more than an acre and a half, with a staff of specialists in this particular line, are devoted to fern growing alone, and more than two million plants are distributed every season.

In dahlias the sales in 1895, twelve years ago, amounted to less than 8,000 roots; to-day over forty acres are devoted to their cultivation, and over 300,000 roots are grown for one season's sales.

The canna business has also increased very extensively, and nearly a quarter million of these roots are distributed annually.

As regards hardy perennials, it is interesting to note that although fifteen years ago this department was a mere side line in the firm's business, to-day over seventy acres are devoted to the cultivation of these plants. Over two millions are sent out every season of such popular varieties as phloxes, delphiniums, tritomas, hollyhocks, iris, anemones, peonies, etc., some being grown by tens of thousands. Several years ago the firm adopted a system of growing many varieties of hardy perennials in pots, especially for Spring delivery. This does not necessarily mean that the plants have been altogether pot-grown; many are field grown, but are dug and placed in pots during the Fall and Winter months, and these plants are said to be vastly superior to plants dug directly from the field, and may be transplanted with absolute safety until late in the Spring. A large section of the perennial gardens is equipped with a system of irrigation; the water is supplied from wells by steam pumps which are run day and night when occasion demands.

The rose department is made a special feature of the greenhouse and nursery establishment, and large numbers of these plants are disposed of annually, being all field-grown.

The aquatic department has also assumed large proportions. The water lily gardens now cover about eight acres, developed from a small cement basin, 10x25 feet, supplemented with a few half-barrels, which were ample to propagate and grow all the aquatics the firm required in 1884, when they first offered this class of plants.

Of equal interest has been the development of the hardy flowering shrub department, also hardy climbers and small fruits.

An interesting page of the catalogue is formed by reproduction of a few of the gold, silver and bronze medals awarded to Messrs. Dreer for their products.

The foregoing is but a brief summary of the absorbing story concerning the growth of this long established firm.

SEND FOR SAMPLES OF OUR

"Cultural Directions"

Specially prepared for the use of your customers. These Leaflets are just the neat little factor to promote business and establish better relations between the dealer and his customer. They have been written by experts; they are fuller, and contain more detailed directions than it is possible to embrace in a catalogue. Hand one out with each sale. It will save your time, quicken and increase business, and aid you please your customer.

The following "Culturals" are now ready:

Amaryllis (Hippeastrum)
Annuala from Seed
Asparagus
Astere
Bogonia, Tuberos
Bulbs
Cabbage and Cauliflower
Canna
Carnations, Monthly
Cauliflower, Radish and Beans under Glass
Celery
Chinese Sacred Lily
Chrysanthemum
Climbing Plants, Hardy
Coleus, and other bedding
Crocus, Snowdrop and Scilla Sibirica
Cucumbers under Glass
Dahlia

Deciduous Trees and Shrubs
Evergreen Trees and Shrubs
Ferns
Fraesia
Geranium
Gladolus
Gloxinia
Hot Beds and Frames
House Plants, Care of
Hyacinths, Dutch and Roman
Iris and Tritoma
Lawns
Lettuce in the Open and under Glass
Lily Culture for House and Garden
Melons under Glass and in the Open
Mushroom Culture
Onions

Palm, House Culture of
Pansy
Panions
Perennials, Hardy
Primula
Rhubarb and Asparagus under Glass
Rose Culture
Small Fruits
Standard Fruits
Strawberries under Glass
Sweet Pea, The
Tomatoes, Outdoors
Tomatoes under Glass
Tuberose
Tulip
Vegetables
Violets
Water Garden, How to Make and Manage a

Your selection of not less than 100 of a kind, delivered carriage paid, printed on white paper, clear type, size 6x9 1/2 inches, 500 for \$1.50; 1000 for \$2.50.

Sufficient space will be left at the bottom of each leaflet for your name, address, etc. If you desire this imprint (3 lines) add 50 cents for 500 copies, 75 cents for 1000. Special quotations on quantities of 2500 or over.

A. T. De La Mare Ptg. and Pub. Co. Ltd.

Pubs. The Florists' Exchange. P. O. Box 1697, NEW YORK

GERANIUMS

S. A. Nutt, Beate Poitevine, Buchner, A. Ricard, 2 in. pots, \$2.00 per 100, \$20.00 per 1000.

FEVERFEW, double white, 2 in. \$2.00 per 100. R. C. \$1.00 per 100.

FUCHSIAS, 10 best varieties, 2 in. \$2.00 per 100. R. C. \$1.00 per 100.

DOUBLE PETUNIAS, mixed, R. C. \$1.00 per 100.

HELIOTROPES, R. C. \$1.00 per 100.

Cash with order
ERNEST HARRIS, Delanson, N. Y.

FELTHOUSEN'S GERANIUMS

None better, if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$18.00 per 1000.

Beaute Poitevine, S. A. Nutt, La Favorite, John Doyle, Richard Brett, Ricard, Bruanti, General Grant, M. Canovas, Jean Viaud, Pasteurean, Landy and several others.
FUCHSIAS, rooted cuttings, \$1 00 per 100; 2 1/2 in. pots, \$3.00 per 100.

HELIOTROPE, rooted cuttings, \$1 00 per 100; 2 1/2 in. pots, \$3.00 per 100.

SALVIA BONFIRE, rooted cuttings, \$1 00 per 100; 2 1/2 in. pots, \$2.00 per 100.

COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.

ROSE GERANIUMS, 2 1/2 in. pots, \$20.00 per 1000.

AGERATUM, Stella Gurney, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100. Cash With order.

J. E. FELTHOUSEN, Schenectady, N. Y.

GERANIUMS Transplants, pot grown. We send all the roots, but little soil Nutt, Doyle, Dbl. Grant, Buehner, \$14.50 per 1000; Ricard, Poitevine, Perkins, Viaud, Castellane, \$16.50 per 1000; F. Blanc \$2.00 per 100. Of all the scarlets a good lot, others limited some.

COLEUS Pausy, very brightest only, and G. **GLADIOLI** Pine Hybrids, blooming size, \$14.00 per 1000. Cash or C. O. D.
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PETUNIAS, Dreer's double fringed, 2 1/2 in., \$2.00 per 100.

PRIMULA OBCONIGA, 4 in., in bloom, \$5.00 per 100; 2 1/2 in., fine plants, \$1.50 per 100.

BABY PRIMULAS, 4 in., in full bloom, \$1.00 per 100; 2 1/2 in., in bloom, \$1.50 per 100.

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CHRYSANTHEMUM STOCK PLANTS WHITE, Alice Byron, C. Touset, J. Jones, PINK, Maud Dean, Glory of the Pacific, Viaud-Morel, Dr. Engelhard, YELLOW, Col. Appleton, Robt. Halliday, Pennsylvania, Red, Black Hawk, 75c. per doz., \$5.00 per 100. Cash with Order.

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HARDY PLANT NOTES

Some 1908 Novelties.

Real true novelties in hardy plants have been very scarce of late years and, seemingly, appear more so this year. Thrice during the past Summer I had the privilege of seeing a few that will no doubt be found in this season's lists. In looking over European lists of the past few years, varieties of hardy asters have there appeared galore; but our landscapers and roadsides in the late Summer and Fall season give us such an endless variety of these charming starworts that it must indeed be something very startling or wonderful before anyone but an eminently hardy aster enthusiast would even deign to notice here. A foreign correspondent commented on a few remarks I recently made in these columns upon some of the larger flowering types, and while admitting their good qualities said they were not as useful for cutting as some of the smaller types. There is truth in this, but if the same correspondent could only once get out on Long Island in the eastern part of New York, in New Jersey and Pennsylvania, and see the numberless shades, varieties, natural hybrids, or variations growing wild, he would better understand why our enthusiasts here lag in regard to these small-flowered sorts. I admit all are worthy of culture where space and room permit, but American taste for the cultivation of these numberless though beautiful objects in our gardens has not yet been fostered, much less developed. Then again, one of our most prominent and popular garden writers is loudly decrying their use, saying they are too small and miffy. This, I think, is very much to be regretted. Any improvement, such as is to be found in that beautifully improved form of our New England aster, Lil Fardel, will at present be appreciated, and the greater the range of color and the size of the flower, coupled with late flowering qualities—say, October and November—the greater will be the appreciation. Aster n. a. Lil Fardel gives a very large rose-colored flower; is a good bloomer and a strong grower. Perhaps the most conspicuous and best of all this year's introductions will be Lupinus polyphyllus Moerheimi. This is, indeed, as regards uniqueness and combination of color, considered a charming introduction, for a more lovely thing in bloom I never saw in this useful class of plants. The plants were large, well grown, beautifully branched specimens; each branch was carrying a spike of bloom, as near as I could judge, about one foot in length, and the color seemed to be one of those pretty combination shades of light and dark pink, softening to white, that tax the imagination to describe accurately. The whole plant was about 2½ feet in height, and for symmetry and neatness in foliage, habit and bloom I consider it a sterling novelty. The plants were beautifully clothed with abundant foliage and in the zenith of their perfection during the middle of June when I saw them, and were an acquisition of which any one would feel justly proud. For those who can successfully cultivate lupinus this is a gem of high mark, but I am doubtful if it can be really considered a hardy perennial. I always think these plants do better treated as hardy annuals or biennials, for if sown very early in the season, in a good sandy soil, around Philadelphia they have invariably flowered with me the first season, with the exception of L. perennis. This latter seems to grow abundantly as a wildling in the lightest and poorest of soils. I have seen it both in New York and in New Jersey, growing and flowering on sandy knolls by the roadsides, while in our rich, moist garden soils it invariably suffers from moisture. L. Moerheimi was introduced to cultivation by R. Ruys of Moerheim, Dedemsvaart, Holland, to whom we are indebted for so many beautiful things in hardy plants of late years, as for instance, Campanula per. Moerheimi, Arabis Moerheimi, etc., the former of which has had such a tremendous sale here, thus proving its sterling worth. Kniphofia or Tritoma erecta, the erect flowering torch lily or flame flower, is a peculiarly interesting plant, quite a complete reversal of natural methods of placing the flower tubes on the stem having taken place in some wonderful, un-

countable, freakish way; nature instead of gracefully placing the blooms on the flowering stems in the usual drooping manner has, curiously enough, placed them erect, or upright, giving the whole plant a very distinct, odd and curious appearance, thereby enabling one to see right into the flower. The flower stems are strong, erect, and the color a deep orange scarlet. The plant seemed to be very free and had all the appearance of being a continuous bloomer. In habit and growth it seemed to me to be stronger than that old, ever popular favorite, Tritoma Pfitzeri, which is a very creditable recommendation. I also saw an improved form of Rudbeckia laciniata fl. pl. called Rays of Gold. To a casual observer this would almost appear to be identical with the very widely distributed R. Golden Glow. Well, in habit and form of growth it is, and in apparently every other detail even to the color of the flowers; but it is in this last detail where the difference exists. In R. Golden Glow the petalage

we have indeed a conspicuous plant. The latter is a little more tender and in hot situations is somewhat apt to burn, but both are neat, distinct plants and worthy of any care. I see Aquilegia Helene is still held as a novelty, and to lovers of choice varieties who find it tedious to grow. A Stuarti or A. glandulosa will be found a gem, as the plants from the first are more vigorous, free and easy in their habit of growth. The flowers also show the same vigor, but not to coarseness. It is very free flowering and seemingly so far adapts itself much better to our climate and methods of cultivation than any other varieties throwing the same colored flowers. Phlox amena variegata is also out as a novelty. I had the pleasure of seeing this sport some eight or nine years ago as a small carpet plant of slow growth, with golden and green foliage. It is somewhat attractive, but apt to run out in our climate. Where room can be spared Senecio

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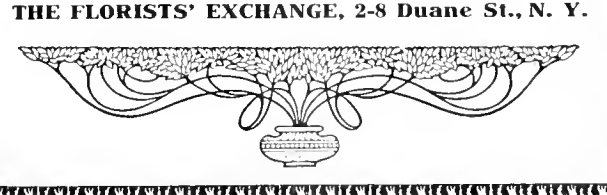
- Cash with Order. ASPARAGUS PLUMOSUS, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100. ASPARAGUS SPRENGERI, 2 in., \$2.60 per 100, 3 in., \$5.00 per 100. ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100. Dracena Indivisa 2 in. \$1.00 per 100. GERANIUMS, Scottii, 6 in., 30c. each. Geraniums, S. A. Nutt., John Doyle, Perkins, Klefard, Double Gen Grant, La Favorite, 2 in. pots, \$2.50 per 100. Rooted cuttings, \$1.25 per 100. E. H. Trego, Castellane, Poltevine and Vland, 2 in. pots, \$3.00 per 100. Rooted Cuttings, \$1.50. VINCA VAR., 2 in. \$2.00 per 100. Cash with order, no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order. GEO. M. EMMANS, NEWTON, N. J.

TIMELY SUGGESTIONS

We offer a nice lot of Van der Crayssen Azaleas at 75c, \$1.00 and \$1.25 each. Simon Mardner and Verycemona at \$1.00, \$1.25 and \$1.50. HYDRANGEAS, for late flowering January delivery fine plants 7 in. in pots and \$1.25, 8 in. in pots and \$1.50, 9 in. in pots and \$2.75, February delivery 50c higher. CUTTINGS and 2 in. pots of soft wooded stock at exceptional prices for quality. Write for our circular. We grow 75,000 FERNS annually and become ROSES. Ask for our lists, we can interest you. GEORGE A. KUHL Wholesale Grower PEKIN, ILL.

CARNATION GROWERS

OUR issue for Saturday, February 1, 1908, will contain a full report of the meeting of The American Carnation Society, which is to be held in Washington, D. C., on January 28, 29 and 30, and carnation growers will find in that issue a most timely opportunity to place advertisements of either novelties or standard varieties that they may have to offer. Advertising copy should reach us not later than noon on Wednesday, January 29, or as much earlier as possible. THE FLORISTS' EXCHANGE, 2-8 Duane St., N. Y.



of the flowers is broad, flat, wavy, loose and somewhat open, and it is not what is regarded as a very large double flower. In the new variety, however, the bloom is distinctly filled with narrow petalage, rounded and full to the center, assuming a globular or spherical form which, on the whole, makes it a very chaste, refined flower—a superior and very decided improvement on the old existing form. But, I think, without a doubt, a more beautiful thing, if such is possible, will be found in the improved form of Rudbeckia nitida, called Autumn Sun. We have had Autumn Glory and several others, but nothing that can compare with this last comer. I always had a great leaning toward R. nitida and its progeny, with their dark shining green and glaucous foliage and their numerous pale, abundantly produced lemon-colored flowers in early Fall. By late division and late transplanting I was able to secure larger, later and better flowers. To some it is a rather coarse plant, but by practicing the above methods this drawback is somewhat obviated, and the plants do not grow quite so tall. This fact will be more appreciated in this new improved form and the apparently more numerous, broader and deeper ray petals of the flowers, which are produced in such abundance. Altogether this is a very striking plant and an admirable acquisition to any collection. There are also several new rises of various types. I have heard of one with broad foliage, said to be a cross between Iris pallida dalmatica and Iris ger. Maori King, containing the most excellent qualities of both parent varieties. There is novelty and much variety in both the new variegated forms of I. pallida fol. var. and Iris pallida fol. argentea var. The former is one of the most conspicuous of the variegated plants I know of, and when we add to the symmetry and neatness of its foliage and combine with its very beautiful variegation the soft large pale lavender flowers

divorina will be found a useful and interesting plant, with enormous round leaves, almost subtropical in effect, and producing dense panicles of small, golden yellow flowers. The white Stokes' aster, Stokesia cyanca alba, is not yet over-abundant, but is well worth a trial. No doubt many other new things will come forward as the season opens. HERBERT GREENSMITH, Syracuse, N. Y. Henry Morris is about to make a complete change from hot water to steam in his greenhouses at Elmwood. A powerful steam boiler was in position and almost ready for the change. Mr. Morris will have a few good hot water boilers to dispose of. The two Quinlan stores did a splendid Christmas trade. A large amount of reasonable stock was on hand. English holly, well buried in tubs, Gloire de Lorraine begonias, poinsettias, cacti, as well as decorative plants and bulbous stock. Mr. Quinlan was on a business trip to Oklahoma. L. E. Marquisse had a fine display of carnations for the holidays. Two large houses are devoted to his new white, the Marchioness. The beds were literally covered with handsome flowers. L. Mcneilly & Sons report a satisfactory Christmas business. They grow violets successfully. G. Bartholome has a handsome new range near his old stand in front of Woodlawn Cemetery. Peter Kay, the cemetery superintendent, has erected a few nice houses for cut flower growing in front of the cemetery. Bard & Davis report a good Christmas trade. Quite a fine display of holiday plants made their greenhouses attractive. J. M.

- ASPARAGUS PLUMOSUS, 2 in. \$2.00 per 100. DRACENA INDIVISA, Seedlings, 50c. per 100. STOCKS, Double white, 5 in., \$5.00 per 100. REX BEGONIA, Mixed, 2 in., \$3.00 per 100. ENGLISH IVY, 2 in., \$2.00 per 100. GERANIUMS S. A. Nutt., Heteranthe, Gloire de France, \$2.00 per 100. GERANIUMS MIXED VAR. \$1.75 per 100. J. H. DANN & SON WESTFIELD, N. Y.

FRINGED Double Petunias

- Per 100. Rooted cuttings by mail \$1.25. LANTANAS, 4 in. dwarf, rooted out, \$1.25 (these are guaranteed). ABUTILON, R. C., six varieties, French dwarf, \$1.00 per 100. GAZANIA Splendens, R. C., \$1.00 per 100. HELIOTROPE, dark from soil, \$1.00. WEEPING LANTANAS, from soil, \$1.25. ASPARAGUS, Sprenger, 3 in. in pots, \$5.00 per 100. PETUNIA, Grandiflora, single in pots, \$1.00 per 100. SALVIA, tall and dwarf, \$1.00 per 100. STROBILANTHES Dyerianus, R. C., \$1.00 per 100. GERANIUMS, Mme. Safford, R. C., \$1.00 per 100. GERANIUM, White and Blue, \$1.00 per 100. Cash with order, please. GEO. J. HUGHES, Berlin, N. J.

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Best stock well rooted, transplanted, 18 in. high, \$3.50 per 100. If well rooted, 20 to 30 inch, \$5.00 per 100. 25 to 30 inch, \$7.00 per 100. 30 to 35 inch, \$9.00 per 100. 35 to 40 inch, \$11.00 per 100. 40 to 45 inch, \$13.00 per 100. In pots of 200 and over \$2.00 per 100. Fine for transplanting. We packed free of charge. For samples by mail, \$1.00 in stamps. Address, CHARLES BLACK, Hightstown, N. J.

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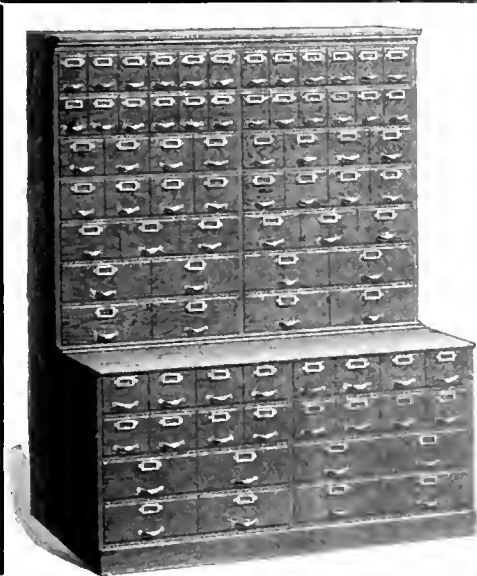
TO-BAK-INE PRODUCTS kill insects, do not harm or discolor the most delicate bloom and give more insect destroying value than all others. Let us tell you how to "Kill the Bugs" and do it effectively and economically.

WITTBOLD WATERING SYSTEM. If you knew what it was, what a time saver, and how much more efficiently and evenly you can water your stock, you would investigate its merits and be as quick to install it as you would be slow in going back to the old watering-can method of thirty years ago. It is as far in advance of the hose as that is in advance of the watering-can. We should be glad to send you a booklet on the system and give you information that will be of value.

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Rooted Cuttings; Fine Healthy Stock
READY NOW:

Winsor	Per 100	Per 1000
White Enchantress	\$6.00	\$50.00
Helen M. Gould and Beacon	6.00	50.00
Melody	4.00	
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Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson	3.00	25.00

Have a few hundred in 4 and 5 in. pots of above varieties. Write for list.

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Sprengreri, from 3 in. pots	Per 100	Per 1000
Plumosus Nanus, from 2 1/2 in. pots	\$5.00	4.00

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Best Mammoth	Per 100	Per 1000
	\$1.00	\$8.00

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Agaratum, Cope's Pel, White Cap, P. Pauline, S. Gurney, L. Bonnett	Per 100	Per 1000
	\$1.00	\$8.00
Achyranthes, best varieties	1.00	8.00
Ampelopsis Veitchii, pot grown	8.00	
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R. C. Queen Louise and Harlowarden, \$1.50 per 100, \$10.00 per 1000. SALVIA R. C. Bonlire, \$1.00 per 100, \$5.00 per 1000. GERANIUMS, R. C. Grant and Nuff, 2 1/2 in. pots, \$2.00 per 100, \$15.00 per 1000. Cash with order please.
JACOB KOL, East Nutley, N. J.

Washington, D. C.

Club Meeting.

The Florists' Club met on the night of January 8. President Peter Bisset occupied the chair and during the course of the evening gave the members an interesting talk on his recent trip to Porto Rico. Mr. Bisset's health is greatly improved. Suitable resolutions were drawn and unanimously adopted on the sad death of John Clark and family in Boston.

January 29 was appointed carnation day and it is planned to give away 25,000 of these flowers that day. Much interest was manifested in the coming meeting of the Carnation Society and it was agreed to make an effort to have the cavalry at Fort Myer give a special exhibition of their far famed horsemanship to help the cause, and help entertain the visitors. There will also be a banquet in their honor on January 30. All carnation growers are urged to contribute flowers to this show.

Mr. Byrnes, superintendent of the Department of Agriculture greenhouses, had on exhibition two dozen very promising seedling carnations, which attracted much attention. J. L. C.

American Carnation Society.

Variety Registered.

PRESIDENT SELWY, H. W. Field, Northampton, Mass., registers President Selwye, a pure white seedling from Mrs. Thos. W. Lawson and Queen. AMBRI, M. Herr, Lancaster, Pa.

BOSTON, MASS. The meeting of the Gardeners and Florists' Club on Tuesday the 21st inst. promises to be of unusual interest. It will be ladies' night, and a very attractive program has been gotten up for the occasion. J. W. D.

Commercial Violet Culture

PRICE, \$1.50

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When growers, who buy by the hundred the first season, order thousands the next

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Strong, vigorous, healthy cuttings ready now, per 100 \$6.00, per 1000 \$50.00

WINSOR	Per 100	Per 1000	ROSE ENCHANTRESS	Per 100	Per 1000
WHITE PERFECTION	\$6.00	\$50.00	ENCHANTRESS	\$4.00	\$35.00
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DEFIANCE

Brilliant Scarlet

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- 1st. It is by far the best color ever seen in a scarlet Carnation; it is the true velvety scarlet and not red; it will average 3 inches in diameter throughout the season.
- 2nd. It is unexcelled for productiveness by any Carnation in commerce to-day.
- 3rd. It is a clean and upright grower, producing an abundance of high grade flowers without any special treatment.
- 4th. It is in perfect health, and not subject to rust or any other disease, which is very prevalent among scarlet varieties.

- 5th. It is of perfect form; blooms are very symmetrical, center nicely built up and very full, but not so as to appear crowded; stems are very stiff and wiry, holding the flowers perfectly erect.
- 6th. It is a scarlet for the entire season; it comes into crop in October and continues through the entire season; it does not lose its color in bright sunlight, in fact, it improves in bright sun when other reds fade.
- 7th. It is the only scarlet to-day, and by growing DEFIANCE you will be satisfied, as it has no faults, is full of vigor and will do the work where other scarlets fail.

Strong, well-rooted cuttings, every one guaranteed, \$12.00 per 100, \$100.00 per 1,000

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\$6.00 per 100; \$50.00 per 1000.
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None Healthier. None Better.
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Imperial, variegated Enchantress, light pink
\$6.00 per 100 \$50.00 per 1000
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Healthy Rooted Cuttings		

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Prosperity and Gaeothe, rooted, to order.
Strong, undivided DABILA CLUMPS.

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HELIOTROPE (dark) 60c. per 100; \$5.00 per 1000. FINEST DOUBLE LUCASIAS, 75c. per 100; \$6.00 per 1000. NEW DOUBLE PETUNIA, The Queen. A fine bloomer, white mingled with purple, requires no staking, \$2.50 per 100. SALVIA Zurich, new dwarf ever-blooming variety, \$2.00 per 100. SALVIA Bonfire, 30c. per 100. AGERATHUS, S. Gurney and P. Pauline, 50c. per 100; \$1.00 per 1000. GERMAN IVY, 50c. per 100; \$1.00 per 1000. Strong and well-rooted. Cash with order.
J. P. CANNATA, Mt. Freedom, N. J.

CARNATIONS White Enchantress R. C. with and grown by me is the very best, \$6.00 per 100; \$50.00 per 1000. Enchantress, light pink, \$2.50 per 100; \$20.00 per 1000. Lawson, \$2.00 per 100; \$15.00 per 1000. Lord, light pink, \$2.00 per 100; \$15.00 per 1000. Queen, white, \$2.00 per 100; \$15.00 per 1000. The Belle, white, \$2.50 per 100; \$20.00 per 1000.
Get your R. C. early and have blooms when others have none.
FRANK H. KIMBERLY 631 Townsend Avenue, New Haven, Conn

CARNATIONS
Winsor, \$6.00 per 100; \$50.00 per 1000. White Perfection and Robert Craig, \$4.00 per 100; \$35.00 per 1000. Harry Fenn, Octroon, Lawson and Patten, \$3.00 per 100; \$25.00 per 1000. Maceo, Fair Maid and Boston Market, \$2.00 per 100; \$15.00 per 1000.
LITTLEFIELD & WYMAN, North Abington, Mass.

10,000 ENCHANTRESS
Strong Rooted Cuttings \$2.50 per 100 20.00 per 1000
PETERS & SONS, Hempstead, L. I., N. Y.

Please stop my ad. of geranium cuttings. Could have sold them a half dozen times already. Nothing like advertising, if ever so small a quantity.
R. POWELL.
WHITE PLAINS, N. Y.
Dec. 17, 1907.

VICTORIA

NEW SEEDLING, crossed by Lawson and Harry Fenn, the color of Lawson and the long stem of Harry Fenn; it is more prolific than either. Lawson is past. Victoria is better than Lawson ever was, and gave us last winter from 20 to 25 per cent. more blooms each month. It is very healthy and a nice grower. I have two houses of it, and it is a sight to see the buds and blooms. It brings more money in the market than Lawson. Read below what J. A. Buddlong & Sons Company of Auburn, R. I., say of it. They are growing it this winter. J. A. Buddlong & Sons Company are one of the largest market gardeners in New England, also the largest rose and carnation growers in Rhode Island.

have made fine plants and we think now will produce as many flowers, if not more, than any carnation we ever grew. The stems are stiff and good length. The flower is also a good keeper.
We have sold these flowers in several instances to some of our best trade in Boston, who thought they were a long-stemmed Lawson.

December 19, 1907.
Mr. J. H. Cushing, Quindnick, R. I.

Up to date, we have cut 4768 flowers from the 1175 plants, and there are as many buds in sight to-day as there have been any time since we started to cut. In other words, the cut has been very uniform and looks as if it would continue so throughout the winter.
We do not think that you will make any mistake by putting this carnation on the market.
Yours truly,
THE J. A. BUDDLONG & SONS CO.

Dear Sir: We have 1175 plants of your new seedling Victoria carnation which we planted in house the last of July. They

Price of Victoria rooted cuttings, \$75.00 per 1000; \$8.00 per 100; 250 at 1000 rate.

ROOTED CUTTINGS

	WHITE	100	1000
Queen	\$1.50	\$12.50	
Perfection	3.00	25.00	
	PINK		
Winsor	5.00		
Aristocrat	5.00		
Enchantress	2.00	15.00	
Rose Enchantress	3.00	25.00	

RED

Red Chief	4.00	
Victory	2.50	22.50
Robert Craig	2.50	22.50
Harry Fenn	2.00	15.00

VARIEGATED

Mrs. Patten	2.00	17.50
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QUIDNICK GREENHOUSES - J. H. Cushing, Prop., Anthony P. O., QUIDNICK, R. I.

New Carnation, PRESIDENT SEELYE

The unexcelled white; a seedling of MRS. T. W. LAWSON - THE QUEEN; now in its fourth year.
A large, well-formed flower, free and fragrant, easy to grow and does best in a temperature of 50 to 52. Calyx does not split.
Long, stiff stems from the start; a constant bloomer. Every cutting guaranteed well rooted and free from disease. The trade is invited to visit the greenhouses and see it growing.
\$10.00 per 100, \$75.00 per 1000. ORDERS Booked Now for JANUARY DELIVERY
H. W. FIELD, - - Northampton, Mass.

SELECT STOCK OF STRONG WELL ROOTED CARNATION CUTTINGS READY NOW

Andrew Carnegie (Scarlet Harlowarden)	Per 100	Per 1000	Per 100	Per 1000
Aristocrat, bright cerise	\$12.00	\$100.00	\$6.00	\$50.00
Winsor, pink	6.00	50.00	6.00	50.00
Beacon, orange scarlet	6.00	50.00	6.00	50.00
White Enchantress, pure white	6.00	50.00	6.00	50.00
Welcome, pink	6.00	50.00	6.00	50.00
Red Chief, Christmas scarlet			\$6.00	\$50.00
Rose Pink Enchantress			3.00	25.00
White Perfection			3.00	25.00
Enchantress			3.00	25.00
Gaybreak Lawson			3.00	25.00
Victory, Scarlet			3.00	25.00

CHICAGO CARNATION CO., A. T. PYFER, Mgr. JOLIET, ILL.

GERANIUMS ROOTED CUTTINGS CARNATIONS
Send for Price List. A surplus of FLEUVE BLANC now at \$2.50 per 100. Other varieties at \$12.50 to \$15.00 per 1000.
ARISTOCRAT, PINK IMPERIAL, BEACON, ALBERT M. HERR - - - Lancaster Pa.

REVIEW OF THE MARKET

NEW YORK.—The cut flower business this week held up fairly well until Tuesday morning; on that day there seemed to be lessening of the demand, and prices had to be made somewhat easier in order to make sales. Compared with other years the prices do not look very well; still the business cannot be said to be quite as bad as it was for a few weeks immediately preceding the holidays. Roses of all kinds are not what might be termed plentiful; and the shorter grades are much easier to dispose of than are the special and fancy flowers. Carnations are holding considerably; still the quantities coming in are not such as to make necessary any very severe cuts in values. Orchids, particularly cattleyas and cypripediums, are quite plentiful, and as regards the latter decided reductions have had to be made in order to effect clearances.

Lily of the valley is extremely plentiful just now, as also is Paper White narcissus, and no fixed prices obtain for either of these. Some yellow Trumpet narcissus are coming in for which \$3 per 100 seems to be about the ruling figure. Gardenias are seen in every store almost, and it is only the long-stemmed blooms that are bringing satisfactory figures. Violets are selling at anywhere from 50c. to 75c. per 100, and there are always plenty of them to meet all demands. Callas do not seem to get plentiful this Winter; consequently they hold fairly firm at \$1.50 per dozen. Tulips, in both red and yellow, are coming in, and bring anywhere from \$2 to \$3 per 100. Roman hyacinths are not nearly so abundant as are Paper White narcissus; consequently they are bringing fairly good prices. Sweet peas are not very plentiful as yet, though there is a regular supply.

CHICAGO.—The market in this city has as usual taken on an after holiday aspect, and though the shipping has been fairly good the local demand has been very close to the dormant line, with the exception of several heavy funeral orders caused by the recent unseasonable weather.

BOSTON.—Business has been changeable this week and many days flowers have been hard to move. Prices accordingly have dropped. American Beauty roses still maintain good values, the highest grades bring \$6 per dozen, while other fine grades fetch \$1.50 and \$3 per dozen. Roses generally bring from \$5 to \$10 per 100, while fancy grades of Richmond, Killarney, etc., realize \$2 and \$3 per dozen. Carnations are plentiful at \$2 and \$3 for ordinary and \$4 and \$5 for the best grades. Lilies are very abundant at from \$2 to \$4. Lily of the valley brings from \$2 to \$4. Violets are druggary at from 35c. up to 75c. Sweet peas are good at \$1 and \$1.50. Paper White and yellow narcissus sell slowly at \$1 and \$1.50.

ST. LOUIS.—There was quite a little activity displayed in retail circles the past week—quite a few large weddings and many social affairs which used up a considerable quantity of stock in almost everything in the market. A fairly good New Year's business is reported about town, in some cases quite large. Nearly all the up-to-date clubs and hotels had decorations of plants and cut flowers for this occasion. There has been a generally increasing cut in all lines, and prices since the holidays are almost cut in half. The demand, the wholesalers say, has been very good, but the supply is greater than the call. We notice the stock at the four wholesale houses is large, and quality of the best.

Carnations are down to \$3 and \$4 per 100 for fancy grades; \$1.50 to \$2 for next choice. Extra fine Enchantress, Mrs. T. W. Lawson, White Perfection and Cardinal are among the best. American Beauty, in long, fancy grades, bring \$1 to \$1 per dozen; others according to length of stem. Most of the short ones

are bull-headed. California violets are very plentiful, and are selling at 50c. per 100 for the best. Bulbous stock, as is usual at this time of the year, is very plentiful and down in price on Roman hyacinths and Paper White narcissus. All greens are in good demand, especially smilax and galax leaves.

INDIANAPOLIS.—January, last season, embodied a vast amount of business. To equal that volume or surpass it will take greater strides than those of the past week. Funeral work has been plentiful, but decorations and counter trade do not materialize in quantities. The quotations on all lines of flowers are lower than at the same period last year. This is partly attributable to mild weather and much sunshine. Select roses, such as Bride, Bridesmaid and Richmond, are wholesaling at \$8 to \$10 per 100. The best American Beauty, stems 26 to 42 inches, at \$3.50 to \$4 per dozen, are certainly an innovation; short stem stock sells as low as \$5 per 100. Killarney is going well at \$10 to \$12 per 100. Fancy carnations have declined to \$3 and \$4 per 100; medium grades are not plentiful at \$2 to \$2.50 per 100; 75c. and \$1 per dozen is the storemen's price for them. Home-grown and Eastern violets are more abundant than necessary at 75c. to \$1 per 100. Well-grown sweet peas always find ready buyers at \$1.50 per 100.

Late poinsettias keep better and are more satisfactory than the earlier ones. Prices remain about the same—\$2 to \$3 per dozen. Bulbous stock, such as jonquils, Paper White narcissus, Lily of the valley and Roman hyacinths, are moved with difficulty at \$3.50 to \$4 per 100.

Patrons are always alert for well-grown pot plants. Top notch prices are obtainable by the retailers, but the supply of stock is limited.

Tomlinson Hall market reports a brisk business, both in the wholesale and retail departments; those wishing to do so have little difficulty in wholesaling their entire output.

GRAND RAPIDS, MICH.—Christmas trade, contrary to predictions based on the financial flurry, the quietness preceding the holidays and the gradual accumulation of stocks, was of old-time extent, most satisfactory to all concerned. The weather was bright, and just cold enough, with snow on the ground to make it ideal Christmas weather. Carnations, except red, were plentiful, but cleaned up close. Roses were just equal to demand except, of course, red and American Beauty. It must be remembered that roses were in full crop; this is the first holiday season in years when the supply equalled the demand. There was a large call for flowering plants, palms and ferns. Large numbers of made-up baskets were readily disposed of and more could have been sold. The sizes most popular were priced at \$2 and \$3 each, that being what most people wanted to pay, although lots of plants were sold for \$5 and over. On the other hand, cheap plants were not much in favor. The only feature about the plant trade was the return of palms and ferns to popular favor; contrary to previous seasons they were eagerly sought after this year. Poinsettias were too plentiful, did not take as well as in former years, and lots of them were left over; but the latter were of the poorer, cheaper sizes.

Paper White narcissus and Roman hyacinths sold well, both as cut flowers and in pans.

The Christmas shipping trade was good; although the individual orders were not as large as last year there were more of them. Good prices, easily obtainable, were asked for all flowers, with hardly a complaint. Roses realize \$2 to \$4; carnations, \$1 to \$1.25; American Beauty, \$2.50 to \$3; violets, 25c.; Roman hyacinths and Paper White narcissus, 75c.; lilies, \$2.00 per dozen. It is predicted that 1908 will be the

banner year in the trade, in spite of the money panic, although it cannot be said but that the financial trouble up to Christmas caused considerable loss.

KALAMAZOO, MICH.—Business during the interval between Christmas and New Year's held up exceedingly well and much satisfaction is expressed by the retail as well as wholesale trade. Prices were shaded somewhat for New Year's, but as the stock on hand did not exceed the demand, satisfactory figures were realized. The outlook for a fairly good trade for the next week or two is said to be very favorable by the retailers generally, and as the shops and factories here are commencing to resume operations, things certainly ought to continue to show improvement.

The past year's business on the whole may be said to be good notwithstanding the panicky times experienced the last two months. What the present year will bring to the trade is hard to say, and while we hope to continue to improve business conditions it must be remembered this next presidential election will exercise considerable influence in many ways and have a potent effect on the next few years' business. It will be advisable, said a successful man of business the other day, to exercise caution in buying and extending operations, and to be "extremely cautious concerning the giving of credits without proper investigation." The opinion seems to me to be worthy of the consideration of florists as well as others, so I pass it on hoping your readers will give it consideration.

I trust The Florists' Exchange and its readers will enjoy a prosperous New Year.

DETROIT, MICH.—The way the old year wound up was truly a great finish and most of us awaited the New Year in the shop. At present we find plenty of time to make out bills and post up the books, silently but not less fervently wishing that collections may be as easy as the booking of orders was.

Our Christmas experiences should awaken an especial amount of gratitude in every honest merchant's, and more so in every honest florist's heart, for we all know that a financial flurry of no mean proportion swept over the Eastern and Middle States, and we also know that our product is not an article of necessity but of luxury. As producers of articles of luxury we must expect a falling off in consumption at the least unbusiness in business and financial circles. That no such curtailment has taken place proves clearly that the steady advancement in civilization is slowly but surely bringing our products into the list of necessities. That the florists themselves, by introducing new varieties and new ways of using them have done the lion's share in bringing about this condition is unquestionable. To receive such a strong proof of success should create special reflection and encouragement to still further progress.

FRANK DANZER.

PROVIDENCE, R. I.—The Christmas trade was all that could be desired; everything sold out clean, except evergreen roping, wreaths, crosses, and trees. This was owing to the extra supply. There was just double the quantity in the market here. Boxwood is certainly the leading article to make an evergreen design. All kinds of flowers and flowering plants sold well. There was a good demand for foliage plants also, such as Boston fern of the different varieties, rubbers, palms, etc. Bride, Bridesmaid, Golden Gate and Killarney roses, first class stock, brought \$15 to \$20 per 100 wholesale; violets, \$1 to \$1.25 per 100; carnations, \$5 to \$10 per 100 according to variety and quality. Paper White narcissus and jonquils, \$1; lily of the valley, \$4 to \$5 per 100. Holly sold well, also mistletoe.

ST. JOSEPH, MO.—With ideal weather trade moved pleasantly and with comparatively little labor. There was a brisk demand for plants, especially azaleas, poinsettias, begonias, etc., several days before Christmas. In cut flowers Richmond appeared to take the lead in regard, with Killarney a close second; other kinds also sold well. In carnations

Victory, White Perfection and Enchantress were most called for. Holly was pretty well cleaned up by Tuesday evening. Altogether the volume of trade was increased fully twenty-five per cent. over that of any former year, with a brisker New Year trade than we have had for some years.

TOLEDO, O.—The holiday business here was up to the average; some say it was better and others it was not so good as last year. Many working hands had been without work for several weeks and the florists in their locality felt it, while those in the better sections of the city fared better. Flowers and flowering plants available were well cleaned up except poinsettias which did not move till after Christmas. Carnations and roses are now becoming more plentiful and the quality is better. The only bulbous stock so far on the market is Paper White narcissus and white Roman hyacinths; while the first move well, the latter got slowly.

NEW BEDFORD, MASS.—The cut flower trade is rather dull at present. The supply of flowers is about equal to the demand. Carnations are now selling for 60c. and 75c. per dozen retail. Violets are going a little slow; they retail at \$1.50 per hundred. Roses of good quality can be had for \$1.50 and \$2 per dozen retail. Some tulips are coming in; they sell at 60c. per dozen. A good supply of Paper White narcissus is arriving; these sell for 50c. per dozen. Funeral work is using up lots of stock.

H. A. Jahn had an enormous supply of carnations for the holidays, his cut for one day being 5,000 blooms. He has got a good thing in his new white, The Lloyd, and is making heavy shipments of cuttings of this variety.

White Brothers, florists near Lynn, were so impressed with this variety on seeing it that they ordered 750 cuttings. Mr. Jahn has a crimson which he will put on the market next year; this is a beauty. He has quite a novel way of advertising the variety; with each large order for Lloyd, he is sending free a dozen cuttings of this crimson.

FIRMS WHO ARE BUILDING.

WINONA, ILL.—Metzgar has just completed a new greenhouse.

RUTLAND, VT.—The Baker Seed House is erecting a new greenhouse.

SOUTH PORTLAND, ME.—J. W. Minott & Son will erect a new greenhouse, 150x45 feet.

WOBURN, MASS.—Adam Foster is building two large greenhouses on the property he purchased a short time ago.

PORT ATCHISON, WIS.—A. L. Merriam is adding to the greenhouse plant he purchased last Fall from M. C. Prochaska.

CHANGES IN BUSINESS.

RED DEER, ALBERTA.—J. Slade has taken over the greenhouses and conservatory from A. B. Nash.

RICHMOND, VA.—Post Brothers, bulb growers, formerly of Ettricks, W. Va., are now located at North Side, Highland Park, this city.

WASHINGTON, C. H., OHIO.—The address of Poole & Parliant is now 270 Washington avenue, this town. The firm is desirous of receiving trade catalogues, which should be sent to the address given.

NEW YORK.—Mackintosh has been incorporated to do a nursery business, capital, \$2,500. Directors: Elizabeth Mackintosh, 11 Perry street; Joseph Malone, 531 East Forty-second street; C. A. Flynn, 63 West Ninety-sixth street, New York.

BUFFALO, N. Y.—The Buffalo Cut Flower Company has been incorporated to deal in cut flowers and potted plants; capital, \$25,000. The incorporators are J. H. Gould, L. H. Gould and G. R. Sheldon, Middleport, N. Y.

ADRIAN, MICH.—The firm of Elmer D. Smith & Company has succeeded Nathan Smith & Son. The new firm will discontinue many lines formerly handled, and will devote their entire time and energy to the development and improvement of asters and chrysanthemums.

CARNATIONS—Rooted Cuttings

Healthy, well-rooted stock the product of the most reliable growers of this locality

		100	1000			100	1000
White Enchantress	5.00	50.00	Enchantress	2.50	20.00	Harlowarden	2.00
White Perfection	3.00	25.00	Helen Goddard	2.50	20.00	Patten	2.50
White Lawson	2.00	18.00	Lawson	2.00	18.00	Fenn	2.00
Queen Louise	2.00	18.00	Beacon	4.00	50.00	Red Sport	2.00
Winsor	6.00	50.00	Victory	3.00	25.00	Boston Market	2.00
Aristocrat	6.00	50.00	Craig	3.00	25.00	Joust	2.00
Rose Pink Enchantress	3.50	30.00					

S. S. PENNOCK-MEEHAN COMPANY

NEW CROP SEEDS

ASPARAGUS	PLUMOSUS	NANUS
2.00	2.00	2.00
18.00	18.00	18.00
2.00	2.00	2.00
18.00	18.00	18.00

Greenhouse Grown, Hand Selected
 \$4.50 per 1000. Special price on large quantities

1612-14-16-18 LUDLOW STREET, PHILADELPHIA, PA.

J. K. ALLEN
Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day.
Telephone, 167 Madison Square.
Consignments Solicited.

C. BONNET **G. H. BLAKE**
BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4638 Main.
Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Ave. and 26th St.
Coogan Building, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall Space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary.

J.S. FENRICH
Wholesale Florist
THE RELIABLE HOUSE
Valley Gardenias
110 West 28th Street
Telephone 324-325 Madison Square

FORD BROS.
Wholesale Florists
48 WEST 28th ST., NEW YORK
Telephone, 3570-3571 Madison Square.

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
114 West 28th Street
Phone, 551 Madison Square. NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first class stock solicited.
Prompt returns.
THE SQUARE DEAL
Guaranteed to all who trade here.
44 West 28th Street, NEW YORK
Tel. 5583 Madison Square.

Frank S. Hicks & Co.
Wholesale Florists
52 West 28 St. New York
Tel. 2920 Mad. Sq.

WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby St.,
Telephone BROOKLYN, N. Y.
4591 Main

A. MOLTZ
Wholesale Florist
55-57 W. 26th Street, NEW YORK
1st Floor. Telephone, 2921-5243 Madison Sq.

J. Sellgman **Joseph J. Levy**
JOHN SELIGMAN & COMPANY
Wholesale Florists
56 West 26th Street.
Tel. 4878 Madison Square. N. Y.
Opposite New York Cut Flower Company

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
CARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York.

GEORGE SALTFORD
Wholesale Florist
CONSIGNMENTS SOLICITED
46 West 29th Street, New York
TELEPHONE: 3393 MADISON SQUARE

JOHN YOUNG
Wholesale Florist
51 W. 28th St., NEW YORK
TELEPHONE: 4468-4464 MADISON SQUARE

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES. 1664-1665 MADISON SQUARE
ENOUGH SAID

ALFRED H. LANGJAHR
55 WEST 28th STREET, NEW YORK
Telephone, 4626-4627 Madison Square Established 1891
SPECIAL VALLEY AND TOP GRADE ASPARAGUS
Consignments of First-Class Stock Solicited

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Jan. 8, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special.....	40.00 to 50.00			
	.. extra	20.00 to 25.00			
	.. No. 1	12.00 to 15.00			
	.. No 2	4.00 to 8.00			
	.. No 3	2.00 to 3.00			
	Bride, Maid fancy-special.....	10.00 to 12.00			
	.. extra	5.00 to 8.00			
	.. No. 1	4.00 to 5.00			
	.. No. 2	2.00 to 3.00			
	Golden Gate.....	3.00 to 12.00			
	RICHMOND.....	3.00 to 15.00			
	Mme. Abel Chateauy.....	3.00 to 12.00			
	ADIANTHUM.....	.50 to .75			
	CROWANUM.....	1.00 to 1.50			
	ASPARAGUS.....	25.00 to 50.00			
	.. Plumoeus, bunches.....	12.00 to 15.00			
	.. Sprengerl, bunches.....	12.00 to 15.00			
	.. .....	to			
	CALLAS.....	8.00 to 12.00			
	CATTLEYS.....	40.00 to 60.00			
	CYPRIPEDIUM.....	8.00 to 15.00			
	DAISIES.....	2.00 to 3.00			
	.. .....	to			
	Carnations	Inf'r grades, all colors.....	2.00 to 3.00		
		STANDARD VARIETIES	White.....	3.00 to 4.00	
			Pink.....	3.00 to 4.00	
			Red.....	3.00 to 4.00	
			Yel. & Var.....	3.00 to 4.00	
			White.....	4.00 to 4.00	
			Pink.....	4.00 to 6.00	
			Red.....	4.00 to 6.00	
			Yel. & Var.....	4.00 to 6.00	
			White.....	4.00 to 8.00	
			Pink.....	1.00 to 6.00	
			Red.....	1.00 to 3.00	
			Yel. & Var.....	1.00 to 1.50	
			Yellow.....	1.00 to 3.00	
			SMILAX.....	8.00 to 15.00	
			VIOLETS.....	.50 to .75	
			CORNFLOWERS.....	.50 to 1.50	
			HYACINTHS, Roman.....	1.50 to 2.00	
			SWEET PEAS (per doz, bunches)	1.00 to 1.50	
			TULIPS.....	2.00 to 3.00	

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Liberty,
Lilies, Lily of the Valley, Carnations
Telephone, 1998
Madison Square **JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK**

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463
MADISON SQUARE **CUT FLOWERS AT WHOLESALE**



B. S. Slinn, Jr.
Wholesale Florist
55 & 57 West 26th St., New York
VIOLETS Carnations and Roses
Shipping orders receive prompt attention.
Telephone: 3864 Madison Square.

Frank H. Traendly **Charles Schenck**
TRAENDLY & SCHENCK
WHOLESALE FLORISTS
44 West 28th Street, New York
and Cut Flower Exchange
Telephones: 798 & 799 Madison Square
Consignments Solicited

Samuel A. Woodrow
WHOLESALE PLANTSMAN
Out of town orders promptly attended to
53 West 30th St., NEW YORK
Telephone, 2043 Madison

THOMAS YOUNG, Jr.
Wholesale Florist
41 West 28th Street, NEW YORK
Telephone, 1893 Madison Square
Consignments of Choice Flowers solicited

Cincinnati.
Trade Notes.
Always a calm after a storm, and while there is, here and there, a breeze that ruffles the general run of business, on the whole since January 1 "quiet" would but express the situation. When Mayor Mackbreit, the Board of Public Service, Council and other dignitaries took their seats at the City Hall on New Year's day, one could easily imagine that he was visiting a flower show. Horse shoes, scrolls, baskets, American Beauty bunches, Loyal Legion designs and all other conceivable forms were there. Tables and desks, as well as the floors, were piled high with beautiful flowers, and the work was very evenly divided, so that all got their share.
J. W. Rodgers was the only Democrat that held over, and he retains his place as superintendent of parks.
Walter Mott was a caller Thursday, representing A. T. Boddington of New York.
Several of our retail florists were in the police court January 3 to prosecute a young fellow who would order a ten or fifteen dollar design or bunch of flowers, then get the florists to make up a box of flowers for a dollar or so, and when he got his hands on the flowers, would tell the florists he would pay them in the morning when he paid for the design. The case was postponed for ten days.
Wm. D. Gear, florist at Fifteenth and Vine streets, has been laid up with a carbuncle on his back, since December 16; his suffering has been very severe. He expects to get back to business in a few days.
O. E. Critchell has also been nursing a couple of Job's comfortors.
Paul and Henry Daillodonze of Flatbush, Brooklyn, N. Y., were callers January 6. E. G. GILLET.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

SPECIAL CATTLEYS. \$7.50 per doz., \$50.00 per 100.
GARDENIAS. \$5.00 per doz., \$15.00 per 100.
VALLEY. Extra choice \$1.00 per 100, \$30.00 per 1000.

CUT FARLEYENSE. \$12.00 per 100.
BOXWOOD. \$15.00 per 100 lbs. 50 lb. crates.
POINSETTIAS. Extra quality \$15.00 and \$25.00 per 100.

1608 to 1620 LUDLOW STREET Store open 7.30 A. M. to 8 P. M.

BEAUTIES

We have an excellent supply. Quality hard to beat. Let us fill your next order.

The Leo Niessen Co.

WHOLESALE FLORISTS
1209 Arch Street, Philadelphia

BEAUTIES
ROSES
CARNATION

We Have the Quality at Right Prices
PITTSBURG CUT FLOWER CO. Ltd.
222 Oliver Ave., Pittsburg, Pa.

VIOLETS
VALLEY

W. E. McKISSICK
Wholesale and Commission Florist
Business Hours: 7 A. M. to 8 P. M.
1619-21 RANSTEAD ST., PHILA., PA.
WILD SMILAX and DECORATIVE MATERIAL

CARNATIONS A SPECIALTY
GEO. B. HART, Wholesale Florist, 24 Stone St., ROCHESTER, N. Y.
CHRYSANTHEMUMS, ROSES, VIOLETS, VALLEY. Mr. Hart's Handy Handle.

HENRY M. ROBINSON & CO.
WHOLESALE FLORISTS
15 Province St., 9 Chapman Place, BOSTON, MASS.
TEL. 2617-2618 MAIN. All orders receive prompt and personal attention. Trial order solicited

Chrysanthemums,
Roses, Carnations,
Lilies, Violets, Valley,
Asparagus and Simlax

Headquarters in WESTERN NEW YORK
For Roses, Carnations
And all kinds of Seasonable Flowers.
WM. F. KASTING CO.
Wholesale Commission Florists
Dealers in Florists' Supplies and Wire Designs
383-87 Ellicott St. BUFFALO, N. Y.
Give us a trial. We can please you.



Wholesale Prices of Cut Flowers—Per 100

Table with columns for Boston, Buffalo, Detroit, Cincinnati, Baltimore, Milwaukee, Philadelphia, Pittsburg, and St. Louis. Rows list various flower names and varieties with prices per 100.

Washington, D. C.
Trade Notes.
The holiday rush is over and so far as can be learned there is no dissatisfaction as to results. New Year's Day trade was up to the average, and more pleasing still is the fact that the usual cessation of business after a holiday has not occurred; every one is busy, more so than usual at this season. The only hindrance is the scarcity of flowers; home grown stock is at a premium, a rather strange condition, considering the unusually fine weather. The demand for shipped flowers has been heavy. The scarcity has kept prices equal to those of the holidays, except values on violets, which have dropped.
Gude Brothers Company had several large decorations during the week, one of which required 250 American Beauty roses. The death of Rev. Dr. Stafford created a large demand for funeral work from the various stores.
Peter Bisset has returned from his trip to Porto Rico much improved in health, the news of which will be very gratifying to his many friends.
JAS. L. CARBERY.

BOSTON, MASS.
Asparagus Plumosus
Kilmarneys
Richmonds
Brides, Maids
American Beauties
Kaiserin
WELCH BROS. PROPRIETORS
CITY HALL CUT FLOWER MARKET
226 Devonshire Street.
Carnots
Orchids
Valley
Carnations
Violets
Chrysanthemums
Can furnish at short notice. Price according to quality of goods. Long Distance Telephone 6267 and 6268

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Bet. Market and Chestnut Streets.
CHOICEST STOCK ALWAYS ON HAND
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CUT FLOWER CO.
WHOLESALE FLORISTS
1517 SANSOM STREET
High Grade Cut Flowers
Store opens at 7.30 A. M. Closes at 8 P. M.

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Commission Handlers of CUT FLOWERS
 DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS
 Inside Chicago Market Quotations
 A complete line of Florists' Supplies, catalogue free. Manufacturers of Wire Designs
 Long Distance Phone, Central-6004
E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago

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 and FLORISTS SUPPLIES
C. C. Pollworth Co.
 Milwaukee, Wis.

"The Busiest House in Chicago"
J. B. DEAMUD Co.
 WHOLESALE FLORISTS
 51 Wabash Ave.

WIETOR BROS.
 Wholesale Growers of
CUT FLOWERS
 All telegraph and telephone orders given prompt attention.
 51 Wabash Ave., CHICAGO

E. G. HILL CO.
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RICHMOND, INDIANA

Poehlmann Bros. Co.
 Wholesale Growers of
 and Dealers in **Cut Flowers**
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 Greenhouses: 35-37 Randolph St.,
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 Wholesale Growers and Shippers of
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All Leading Varieties of **Roses and Carnations**
PETER REINBERG
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 Headquarters for American Beauty Rose

ST. PAUL, MINN.
 Send us your Orders for delivery in the Northwest, which will have our best attention.
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 Up-to-Date Florists' Supplies
 Write for Catalogue
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 WHOLESALE FLORISTS
 and FLORISTS' SUPPLIES
 Manufacturers of WIRE DESIGNS
 457 Milwaukee St., MILWAUKEE, WIS.
 Phone, MAIN 874. P. O. Box 103

J. A. BUDLONG
 37-39 Randolph Street, CHICAGO.
 Roses and Carnations
 A Specialty
 WHOLESALE GROWER of **CUT FLOWERS**

Wholesale Prices of Cut Flowers, Chicago, Jan. 11th, 1908
 Prices quoted are by the hundred unless otherwise noted

ROSES		CARNATIONS	
American Beauty		STANDARD	
36-inch stems.....per doz.	3.00 to 6.00	White.....	3.00 to 4.00
30-inch stems....."	2.00 to 5.00	Pink.....	3.00 to 4.00
24-inch stems....."	1.00 to 1.00	Red.....	6.00 to 8.00
20-inch stems....."	1.00 to 2.00	Yellow & var.....	3.00 to 5.00
18-inch stems....."	1.00 to 1.50	*FANCY	White.....
12-inch stems....."	1.00 to 1.50	The highest	Pink.....
8-inch stems and shorts "	1.00 to 1.50	grades of Standard	Red.....
Bride Maid, fancy special	12.00 to 15.00	varieties.	Yellow & var.
extra.....	12.00 to 15.00	NOVELTIES	.....
No. 1.....	10.00 to 12.00	LILIES, Harrisii.....	12.00 to 16.00
No. 2.....	5.00 to 6.00	SMILAX.....	10.00 to 12.00
Golden Gate.....	6.00 to 10.00	LILY OF THE VALLEY.....	2.00 to 5.00
Uncle John.....	6.00 to 10.00	HARDY FERNS per 1000.....	..... to 2.00
Liberty.....	6.00 to 10.00	JALAN (green).....	..... to 1.00
Richmond.....	10.00 to 15.00	(bronze).....	..... to 1.00
Killarney.....	6.00 to 12.00	MIGNONETTE.....	3.00 to 8.00
extra.....	10.00 to 25.00	VIOLETS, double New York.....	.50 to 1.00
Perle.....	6.00 to 10.00	local double.....	..... to 1.00
Chatenay.....	6.00 to 10.00	" single.....	.50 to 1.00
K. A. Victoria.....	6.00 to 10.00	NARCISSUS.....	3.00 to 4.00
Mrs. Marshall Field.....	..... to	ROMANS.....	3.00 to 4.00
ADAMTUM.....	1.00 to 1.50	POINSETTIAS, per doz.....	1.00 to 3.00
ASPARAGUS, Plum. & Ton.....	.35 to .50	STEVIA.....	1.00 to 1.50
Sprengeri, bunches.....	.35 to .50	CYPRIPEDIUMS.....	1.00 to 1.50
Orchids—Cattleyas.....	30.00 to 50.00	.....	.....

Violets
Vaughan & Sperry
 58-60 Wabash Avenue
CHICAGO, ILL.

Chicago.
News Notes.
 A recent call at Richard F. Gloede's farm, where he always has surprises, we found one last week in the form of a boy, born the 8th day of November last.
 Among the beautiful and sentimental offerings which accompanied the body of the late R. H. Warder to Cincinnati was a handsome design from J. C. Vaughan.
 A. B. Cutting, Toronto, Canada, who was married on January 1 in this city to Miss Kitajevett, is well known and popular in the profession. He is editor of the Canadian Florist, editor of the Canadian Horticulturist, agricultural editor of the Toronto Mail and Empire, horticultural editor of the Canadian Dairyman, and secretary-treasurer of the Co-operative Fruit Growers of Ontario. His friends in this section, as elsewhere, wish Mr. and Mrs. Cutting much happiness.
 The friends of George Asmus in this city are much pleased to hear of his appointment by President Traendly as a director of the S. A. F. O. H.
 Fritz Bahr, Highland Park, is on a visit to Cuba for the benefit of his health.
 With the closing of the books of the J. B. Deamud Company in 1907, the business was found to be far in advance of any previous years, with satisfactory prospects for the ensuing year.
 The E. F. Winterston Company has added to its stock a fine line of cattleyas. The glut of Christmas trees has been

CHAS. W. MCKELLAR
ORCHIDS
 FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS
 51 Wabash Ave., Chicago

E. H. HUNT
 The Old Reliable
 FOR
 CUT FLOWERS AND SUPPLIES
 76-78 Wabash Ave., CHICAGO

New York.
The Week's News.
 The first meeting of the Chicago Club, the New York Florists' Club, will be held on Monday evening, January 13, in the club's rooms in the Murray Hill Hotel, Thirty-fourth street, near Third avenue. The installation of the newly elected officers will take place, and there will be some further discussion on the club's closer relations with the Horticultural Society of New York. These two matters should be of sufficient interest to bring out every member of the club. Among exhibits of flowers that will be shown on that night will be one of the new rose, Mrs. Jardine. This rose has been previously exhibited before the club, and has been certified by the award committee, scoring 92 points. Members who have not seen this rose should avail themselves of this opportunity.
 Charles Dards, the retail florist at Forty-fourth street and Fifth avenue, had a very elaborate floral decoration in the Madison Square concert room on Saturday, January 4.
 A. H. Langjahr, wholesale florist at 55 West Twenty-eighth street, has been confined to his home several days with a severe cold, but is again well enough to attend to business daily.
 Isaac Hendrickson of the staff of John Lewis Childs, Floral Park, N. Y., who is well known to the trade in this city, is in the Nassau Hospital, Mineola, L. I., recuperating from an operation for appendicitis, which he underwent the day after Christmas. His many friends will be glad to hear that he is well on the road to recovery.
 An important meeting of the New York and New Jersey Plant Growers' Association was held on Tuesday evening, this week.
 Alfred Tharp, son of A. J. Tharp, florist at Bedford Station, N. Y., was married at his home there on Wednesday, the 8th inst.

J. A. BUDLONG
 37-39 Randolph Street, CHICAGO.
 Roses and Carnations
 A Specialty
 WHOLESALE GROWER of **CUT FLOWERS**

Alfred Zeller, florist at Flatbush, had the misfortune to lose a valuable horse a day or two after Christmas. The animal was stricken with spinal meningitis at the corner of Forty-second street and Fifth avenue and had to be shot.
 George Nicodemus, florist at Flushing avenue, Astoria, L. I., dropped dead in a saloon near his home on December 31. He was taking a farewell drink to the old year with some friends and exclaimed: "Good-bye to the old; success to the new," and suddenly faltered, his face turned pale and he staggered and fell. A doctor said later that his death was due to heart disease.
 On Wednesday, January 8, George T. Powell gave a lecture on "Agriculture as a Business and a Profession" before the American Institute, 19 and 21 West Forty-fourth street. This was one of the free lecture course.
 W. H. Lutton has completed a range of glass covering 35,000 square feet on Linden avenue, Irvington, N. J., for E. W. Pengar. The range is of iron frame construction throughout with all modern features, and represents a total investment of about \$50,000.
 The ninth annual dinner of the Tarrytown Horticultural Society will be held on Wednesday evening, January 15, at the Florence Hotel, Tarrytown, N. Y.
 The seed business with Arthur T. Roddington, 342 West Fourteenth street, is opening up very favorably. In addition to H. A. Bunyard and staff of drummers at present on the road, Mr. Roddington himself is taking a short trip in the interest of his house.
 Wm. P. Craig of Philadelphia has been in town showing the new rose Mrs. Jardine to retail dealers.
 C. W. Ward left this week for Detroit on business.

Wholesale Prices of Cut Flowers, Chicago, Jan. 11th, 1908
 Prices quoted are by the hundred unless otherwise noted

Violets
Vaughan & Sperry
 58-60 Wabash Avenue
CHICAGO, ILL.

so heavy that it is reported that there are several carloads still on the track consigned to merchants who will not pay the freight.
 The mother of John Degnan, manager of the Winterston Seed Store, who has been quite ill with the grippe, is improving, though not out of danger.
 J. S. Wilson, manager of Vaughan's Western Springs greenhouses and nursery, is well pleased with the success of his holiday trade, and is now preparing to accommodate his city trade with their Easter requirements.
 W. K. W.
BLOOMINGTON, ILL.—The Phoenix Nursery Company has increased its capital stock from \$200,000 to \$300,000.
COVINGTON, KY.—The Covington Fair Association has been incorporated with a capital of \$5,000, to establish and maintain an association for horticultural and agricultural purposes.
FIRES.
BRIDGETON, N. J.—On New Year's Day a fire, the origin of which is unknown, caused a loss of \$1,000 in the greenhouses of James Dennington.
COUNCIL BLUFFS, IA.—On the morning of December 31 last, fire in the establishment of the F. W. Meneray Crescent Nursery Company started in a pile of excelsior used for packing plants, causing \$25 damage.

LONDON, ONT. Christmas trade was far ahead of what we expected; the sales were better than in previous years and higher prices were obtained. Carnations sold at \$1 to \$2; roses, \$2 to \$1; Roman hyacinths and Paper White narcissus, 50c. to 75c. per dozen; violets and sweet peas, 75c. per 25. Since the holiday trade has been very good, there being quite a number of wedding orders and several for balls and parties.
 P. C.
VIOLET CULTURE
 Price, \$1 50 Postpaid
 A. T. De La Mare Ptg. & Co. Ltd., New York

SOUTHERN WILD SMILAX NOW READY

Write, Wire or Telephone the Introducers **Caldwell The Woodsman Decorating Co., EVERGREEN ALABAMA**

HENRY M. ROBINSON & CO.

WHOLESALE FLORISTS

Florists' Supplies and Hardy Cut Evergreens

Telephones:
MAIN 2617-2618

15 PROVINCE ST.
9 CHAPMAN PLACE

Boston, Mass.

Extra Fine Boxwood

Hardy Cut Dagger and Fancy Ferns, A No. 1 quality \$1.50 per 1000.
New Crop Green Galax, \$1.00 per 1000; \$7.50 per 10,000.
New Crop Bronze Galax, \$1.00 per 1000; \$8.50 per 10,000.

Laurel Festooning, 6c. per yd.
Branch Laurel, 50c. per bunch.
Sphagnum Moss, 50c. per bag; 5 bags \$2.00.

Florists' Supply List on Application.



WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

MANUFACTURED BY

W. J. COWEE, BERLIN, N. Y.

Samples free. For sale by dealers.

Boston.

News Notes.

The inaugural meeting of the Massachusetts Horticultural Society was held on Saturday and was fairly well attended. President Weld in his address strongly advocated the planting of timber trees in the waste lands of the State. Reports from the various committees of the society showed that everything was in a flourishing condition; especially was this shown in the report of J. K. M. L. Farquhar, chairman of the exhibition committee, when he said that the exhibitions during the year had been a long way ahead of any year since the society had been in its present location. He advocated the weekly Summer shows, mentioning the high standard of the exhibits the past season. The society has lost twenty-five members through death during the past year, some of the best known having been Geo. F. Fabyan, O. B. Hadwen, Edgar Sanders, George E. Davenport, W. W. Edgar and John Clark.

W. A. Riggs exhibited a fine plant of *Mochlosma riparia* at Horticultural Hall on Saturday and was awarded a first-class certificate for the same.

Eber Holmes of the Montrose Greenhouses has been quite sick with the gripe, as well as other members of his family, but we are glad to hear that latest reports indicate a speedy recovery. James Evans, porter in the Park street flower market, was remembered on Christmas by the members of the craft by a collection amounting to \$10.

Peire Brothers of Waltham expect to have their new auto-truck, which they have had built especially to carry plants and flowers into the city, in operation in a few days.

Among visitors the past week were Messrs. Sanders and Melstrom of St. Albans and J. H. Rockman, representing several Holland firms.

W. H. Elliott has now over 1,000 feet of his bigger greenhouse at his New Hampshire place completed, and is still busy at work on the other section.

J. W. DUNCAN.

St. Louis.

Trade Notes.

D. Augspurger of the firm of D. W. Augspurger, Peoria, Ill., is in the city interesting the local trade in ferns and other decorative plants.

John Mather, a Corleua (Texas) florist, has been in the city since New Year. Mr. Mather is of the firm of Jacoby & Mather, and reports that his firm will build a new range of houses this coming Summer.

J. E. O'Neil, who represents Vaughan's Seed Store, Chicago, has been here the past ten days. He reports a good run of trade. He left Friday night for the West.

Park Commissioner Philip Scanlon was out of the city the past week on a vacation after a hard season's work for the Park Department. In his absence Superintendent George Ostertag looked after the duties of the commissioner. The new Yeatman Park and the French

Market square are progressing nicely. The department has planted 22,000 bulbs in the different parks this Fall.

President W. C. Young was laid up with a bad case of gripe the past week, but reports that he will be on hand to preside at the Florists' Club meeting this week, Thursday afternoon.

There were quite a few large New Year's decorations. Among the largest were those at the Marquette Hotel and Faust's Cafe by Ostertag Brothers, and the new Raquet Club on King's Highway by the Ellison Floral Company. Those at the Jefferson, Planters and Southern Hotels were also very large and attractive.

Arthur Ellison returned to Chicago Saturday night to report at Vaughan's Western Springs greenhouses Monday morning, where he is employed. He was home to spend the holidays with his parents.

The St. Louis Seed Company report that they disposed of a great deal of extra fine holly and green this year. Goldfish and birds also had a good sale with them. They are making big preparations for a large Spring trade in seeds.

The St. Louis florists sent a large wreath in token of sympathy to the funeral of the late Alfred Plant, which took place Tuesday morning, December 31, at 10 o'clock, from his residence at Webster Groves. There was a large attendance of seedsmen and florists, and many beautiful floral designs were sent by them.

J. F. Ammann of Edwardsville, Ill., and E. W. Guy of Belleville, Ill., were in the city Tuesday attending the pottery committee meeting at Kuehn's that afternoon. The other members of this committee who also attended were W. C. Young, C. C. Sanders and Emil Schray. S. L. Bray, a practical potter, was also in attendance. This committee has prepared a report which will be read before the Florists' Club meeting Thursday afternoon, January 9, at 2 o'clock. After the meeting Mr. Bray invited the members to inspect certain sites for the location of the proposed pottery.

ST. PATRICK.

New Orleans.

News Items.

The German Gardeners' Club of New Orleans celebrated its eighteenth anniversary with a dinner at Vonderbank's on Saturday night, December 28. After dinner an enjoyable time was spent with singing and speech making.

The M. Cook's Sons have recently completed a forcing house, 48x16 feet. This firm reports doing an extra heavy business during the holidays; their stock at the present time is in fine condition.

Charles Eble makes a specialty of handling the Richmond rose, of which he is a great admirer.

Paper White narcissus and Roman hyacinths are very abundant at the present time.

The fine range of glass built by the Commissioners of City Park is completed and ready to receive plants. A recent visit to this park showed great improvements; the plantings of palms, camphors and pines are all doing well. CRESCENT CITY.

Poor Richard's Philosophy.

Poor Richard said, "When 'tis fair, be sure and take your great coat with you." Harry Papworth failed to heed the philosopher's saying, and is now wishing he had not shed his hail insurance so soon. JOHN G. ESLER.

ROSLINDALE, MASS.—The Oakdale Nursery Company has purchased a 75-acre farm at Wadsworth, Mass., where they intend to grow their stock, but will retain their present farm as headquarters. They will add to the stock at their new location iris, phlox, dahlias, and a general collection of perennials and flowering shrubs. They expect to set out from 25 to 30 acres of peaches this Spring. I. P. H.

New Crop Green Galax

10,000 lots, 75c. Bronze Galax, \$1.00 per 1000; Fancy or Dagger Ferns, \$1.00 per 1000; Laurel Festooning, 4c., 5c. and 6c. per yard. Can fill all orders promptly and of the finest quality. Laurel Branches, 35c. per large bundle. Extra fine Boxwood now ready. Pine, \$7.00 per 100; Sphagnum Moss, 50c. per sack. Laurel and Pine Wreaths.

Telegraph Office: New Salem, Mass.
Long Distance Telephone Connection.

CROWL FERN CO., MILLINGTON, MASS.

HARDY CUT FERNS

FANCY and DAGGER. Extra fine, \$1.50 per 1000. BRONZE and GREEN GALAX, \$1.25 per 1000, \$7.50 per 10,000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. BOXWOOD, per bunch, 3c.; 50 lbs., \$7.50. FANCY and DAGGER FERN our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
WHOLESALE COMMISSION FLORISTS
38-40 Broadway, DETROIT, MICH.
All Phone Connections.

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New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

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CHEAPER THAN WOOD.
STRONGER THAN EARTHENWARE.

**PARLOR PLANT TUBS,
ROLLING STANDS,**

Pot Saucers and Cut Flower Vases.

For full information, ask your Jobber or ask us.

CORDLEY & HAYES,
173 DUANE STREET, NEW YORK

THE "JAPANA" Cut Flower Holder



A handy article for florists. Sells to the trade on sight. Made of glass in three sizes.

The "Anglais" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

M. V. GARNSEY, 132 J. Waiola Ave., La Grange, Ill.

SPHAGNUM MOSS

\$1.50 per bbl. bale; in burlap \$2.00.

PEAT \$1.00 per 1-bbl. bag.

Pier 34 N. R.
E. R. Baker, New York City

**SOUTHERN WILD SMILAX
BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS**
E. A. BEAVEN, Evergreen, Ala.

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A. T. DE LA MARE PTG. & PUB. CO., Ltd.
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**PREPARED PALMS
AND PALM LEAVES**

In all varieties
Also Moss, Fibra, Needle Pines,
Pine Cones, Uva Grasses, etc

Buy from HEADQUARTERS
Florida Natural Products Co
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to collect an account is to place it with the
National Florists' Board of Trade
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WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

January 11, 1908

Philadelphia.

The Week's News.

Nothing of great moment has transpired this week. Business lacks snap; there is an abundant supply of flowers of all kinds and prices are uncertain.

The Florists' Club meeting on Tuesday evening was very well attended, in spite of a pouring rain. S. S. Skidel-sky's paper on "Competition Fair and Foul" was listened to with marked attention. The committee on exhibits was very successful in bringing out many of the new roses and carnations of this year. The exhibits staged were as follows: Rose Killarney, large flowers with 40-inch stems, from Waban Rose Conservatories, Natick, Mass.

Rhea Reid, three vases of first-class flowers from E. G. Hill Company, Richmond, Ind.

Mrs. Potter Palmer, very good flowers, on 3-foot stems, from Poehmann Brothers Company, Chicago, Ill.

Wyndmoor, pink hybrid tea, from Myers & Samtman, Wyndmoor, Philadelphia.

Aurora (Souvenir du President Carnot X Bon Silence), new pink, a good commercial flower; Killarney and Miss Kate Moulton, from Adolph Farenwald, Hillside, Pa.

Mrs. Jardine from Robert Scott & Son, Sharon Hill, Pa. This was a grand vase of this popular new rose; stems 3 feet, with flowers in all stages. All showed good culture.

Of carnations Afterglow, bright pink, from R. Witterstaetter, Cincinnati, O. Winona light pink, from Fred. Dornier & Sons Company, Lafayette, Ind. Imperial, Pink Imperial, and vase of seedlings from John E. Haines, South Bethlehem, Pa. Dark pink seedling from John Kuhn, Philadelphia; a good commercial variety. White Enchantress, very good flowers on good, stiff, long stems from B. Schroeter, Detroit, Mich. This same grower also sent some blooms of a new antirrhinum, which were very good—a creamy white on long stem. These exhibits from Detroit arrived at the close of the meeting.

H. Bayersdorfer & Company continue to be very busy on orders; their customers are now replacing stocks cleaned out by holiday trade. This firm has Easter goods coming in now on steamers Marquette, Macedonia and Ethiopia, and wax goods on steamer Hamburg.

N. Neff, a retailer on Fifty-second street, was sold out by the sheriff on Saturday. He also had greenhouses at Swathmore; but these were closed out last Fall.

Benjamin Dorrance, Wilkesbarre, Pa., was a visitor on Tuesday.

DAVID RUST.

Newport, R. I.

News Notes.

Among the visitors here last week were John Beaton, representing R. & J. Farquhar & Company, Boston; and Rickards Brothers, New York. The latter gentlemen combined business with pleasure for themselves and others while here. At the annual dinner of a local club the Rickards Brothers were present on special invitation; during the evening they contributed not a little to the enjoyment of all present.

It so happens that this Winter, when we are having unusually open weather, there is not much new work outdoors to be done, but there seems to be reason for expecting good business in trees and shrubs early in the Spring. There was such a demand for large trees here for a few years that now those in search of such can find what they want only with great difficulty, if at all. Norway maples are extremely scarce and so are English lindens. There seems to have been a special run on these two kinds. The latter part of last Summer and Fall was so dry that young nursery stock did not make much more than half the growth usually made. That means that a great deal of what was expected to be marketable this Spring will not be in that condition. This is especially the case with privet running from one to two years old.

FOXBORO, MASS.—Mr. Baldwin, who went to Brockton, Mass., several years ago, has returned to his old stand here, where he has a house, 98x22 feet, devoted mostly to Cyperus alternifolius and Asparagus Sprengeri for the wholesale trade.

Tobacco Paper "NICO-FUME" LIQUID

is the STRONGEST, BEST PACKED, EASIEST APPLIED

- 24 sheets . . . \$0.75
- 144 sheets . . . 3.50
- 288 sheets . . . 6.50
- 1728 sheets . . . 35.10

Furnishes the Most Nicotine for the Money!

Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine By far the CHEAPEST.

- Just Note Prices!
- Pint \$1.50
 - 1/2 Gallon 5.50
 - Gallon 10.50
 - 5 Gallons 47.25



THE WHILLDIN POTTERY COMPANY THE LARGEST MANUFACTURERS OF STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.



Bowling at Flatbush, N. Y.

Although little has been heard lately regarding the doings of the Flatbush Florists' Bowling Club, that organization is still just as alive as ever. Meeting every Thursday evening, as they have been doing for a number of years, not only for the sake of knocking down ten pins, but also for the friendly interchange of opinions and ideas, this coterie of bowlers has outlasted all other organized bowling clubs among the trade in Greater New York.

On Thursday evening, January 2, the members held their annual roll for prizes, and many handsome things were brought to light, after the games were over and the mysterious packages opened. The prize that went to E. L. Enggren, for making the highest score, was, we were given to understand by the donor, Phil. Kessler, too bulky to be brought to the meeting and would be sent by express or freight to the winner's home. It is safe to say that it was either a jar, keg or barrel of some liquid not used for spraying carnations. Paul Dailledouze captured a box of Perfectos; Henry Dailledouze, two silk scarfs; Clemens Wocker, a budding and propagating knife; Louis Schmutz, a bottle of corn juice; Alfred Zeller, a silver mounted leather cigar case; P. Riley, silk suspenders, and Phil. Kessler a silk scarf.

The scores made during the evening were as under, those of the last game being taken as the finals for the prizes.

- L. Schmutz 133-189-134-136
- H. Dailledouze 143-169-128-138
- P. Dailledouze 130-131-128-125
- A. Zeller 153-135-142-137
- C. Wocker 113-112-104-128
- P. Riley 214-165-146
- J. Costigan 132-142-100
- J. Rogers 117-128-150
- P. Kessler 127-129-144
- S. S. Butterfield 115-128-144-102
- E. L. Enggren 146-121-136-176

DANBURY, CONN.—J. E. Cornell, retail florist, has just put in service a new delivery wagon, fitted up in every particular for the safe delivery of stock during the Winter months.

OMAHA, NEB. Burglars broke into A. Donaghu's flower store at 1607 Far-nam street, some time Christmas night and stole \$6 from the cash register.

NIKOTEEN APHIS PUNK
THE ORIGINAL AND GENUINE
NICOTINE FUMIGANT
STRONGEST AND MOST UNIFORM
KILL THE BUGS SAVE THE BLOOMS
NIKOTEEN
LIQUID
FOR SPRAYING OR VAPORIZING
NOTHING BETTER NOTHING CHEAPER
NICOTINE MFG. CO. ST. LOUIS MO.

SHEEP MANURE
Pulverized. Free from all Adulteration
In Bag, \$18.00 per Ton.
ROBERT SIMPSON,
CLIFTON, N. J.

Ideal Plant Food
Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.
EDWARD MacMULKIN,
104 BOYLSTON ST., BOSTON, MASS.

ALL NURSERYMEN SEEDSMEN and FLORISTS
Wishing to do business With Europe should send for the
"HORTICULTURAL ADVERTISER"

This is The British Trade Paper, being read weekly by all Horticultural travelers. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

Editors of the "H. A."
Chillwell Nurseries, Lowdham, Notts.
European Agents for THE AMERICAN CARNATION
Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE



Standard Flower Pots
Packed in small crates easy to handle.
Price per crate 120 7 in. pots in crate, \$4.25
1500 2 1/2 " " " 6.25
1500 2 " " " 6.00
1000 3 " " " 5.00
800 3 1/2 " " " 4.50
600 4 " " " 4.51
400 5 " " " 3.16
Price per crate 120 7 in. pots in crate, \$4.25
60 5 " " " 3.00
HAND MADE 48 9 in. pots in crate, \$3.00
24 10 " " " 4.00
24 11 " " " 8.00
24 12 " " " 4.00
12 14 " " " 4.00
6 16 " " " 4.00
Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.
Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Kolker & Sons, Agts., 31 Barclay St., N. Y. City

The Best BUG KILLER AND BLOOM SAVER
For PROOF Write to
P. R. PALETHORPE CO.
Owensboro, Ky.

Cattle Manure In Bags Shredded or Pulverized
Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
The Pulverized Manure Co., 34 Union Stock Yards, Chicago

The book of WATER GARDENING
By Peter Blisset. Price, postpaid, \$2.50
A. I. DE LA MARE PTG. & PUB. CO., LTD
2 to 8 Duane Street, New York



A WORD ON COST OF GREENHOUSES

How much time do you lose, how much needless material is consequently cut up because of the inaccurate measurements of your men in erecting your wooden houses?

Did you ever stop to figure out, right down to dollars and cents, just how cheap the H. & Co. Iron Frame House is? Take the erection costs, for instance. All parts are cut and fitted at the factory and made ready to go together with practically no additional labor of fitting and fussing on the job. The frame work can be pushed along at good speed. The rafters with the purlins spacing them eight feet four inches apart, form a complete framing unit that in no way relies on any cypress member for its support—these framing units in turn support all the cypress members used.

Some of the cypress members of your house may require replacing after many years, but that iron frame will stand rigid and unaffected for generations. It then gets right down to the question of—not whether you can afford to build our Iron Frame House, but CAN YOU AFFORD NOT TO? Write us.

HITCHINGS & COMPANY

GREENHOUSE DESIGNERS AND BUILDERS

1170 Broadway,

Manufacturers of Heating and Ventilating Apparatus
New York

Providence, R. I.

Trade Notes.

Monday, January 6, was inauguration day for all our City Fathers. An unusual number of floral tokens graced the occasion; over one hundred in all including an automobile of flowers, a fire engine, large standing horseshoe, immense baskets and bouquets of roses, violets, carnations. It was a very busy day for the florists here.

The many friends of James B. Canning were after him to run for the office of police commissioner, and undoubtedly Mr. Canning would have got the appointment had he allowed his name to be used. Mr. Canning had two reasons for declining; first, his florist business occupies all his time; second, a very dear friend of his was aspiring to the office and Mr. Canning was working for him. His man was appointed.

Charles Johnston is about to start for Sulphur Springs in West Virginia to spend the Winter.

The many friends of A. M. Rennie are pleased to see him about again. After being so seriously ill for the past three months Mr. Rennie has fully recovered and expects to move to New York City very soon.

John F. Wood is looking for a new location, as his lease of the present one has expired.

John Hart is now permanently employed by Johnston Brothers.

Mrs. T. J. Johnston has been dangerously ill the past three weeks from the grippe. She is improving.

Edward Brooks, manager for Mrs. T. J. Johnston, has been very ill with the grippe for the past ten days, but has stuck to business all the time.

George A. Johnston has been confined to the house for the past month with rheumatism. G. A. J.

Utica, N. Y.

The firm of Spencer & Martin has been dissolved, Mr. Spencer retiring. Henry G. Martin will conduct the business as before. At the time of your correspondent's visit Mr. Spencer was in New York City.

A. & J. Williams have a nice business on Mohawk street, close to the cemetery. Besides growing a general line of plants and cut flowers, these young men operate a small factory for wire designs for florists' use. They issue a neat catalogue and have a good business in this line in the city as well as nearby towns.

Wm. Herment & Son have just completed a new house, 40x75 feet for carnations. For the present season considerable quantities of sweet peas are grown. The place is at Doerfield only a few minutes' ride from Utica. Mr. Herment has been on the same place for the past fifty years, first starting as a market gardener. By years of industry he has now built up a fine trade and combines the growth of plants and cut flowers with the original business.

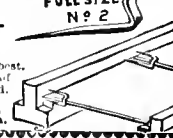
F. J. Baker was recently elected president of the City Council. Mr. Baker wears his honors well. Christmas trade was at its height and lots of desirable stock was on hand.

Wm. Matthews has added a new house

GREENHOUSE GLASS ALL SIZES

16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
10 Desbrosses St., New York

Holds Glass Firmly
See the Point **See**
PEERLESS
Glazing Points are the best.
No rights or joints. Box of 1000 points 75 cts. postpaid.
HENRY A. DREER,
214 Chestnut St., Phila., Pa.



I. CASSIDY

Designer and Builder
OF
Iron and Wood Greenhouses
Office and Factory 215-221 Randolph Ave.
JERSEY CITY, N. J.

SUMMER IN WINTER

BY USING
Standard Greenhouse Boilers
One cent gets our catalog.
GIBLIN & CO., Utica, N. Y.

for orchids to his already well appointed range. This house is devoted mainly to cattleyas. Mr. Mathews has a piece of property that contains a bed of fibrous peat. This comes in quite handy for his own use in the growth of orchids. In addition to this, however, he ships large quantities of it to various growers not so fortunately situated as himself. The beds are of great depth and the peat can be cut in blocks or squares any desired size. It is so fibrous that each piece will retain its shape as cut no matter how much it is tossed or thrown around. Mr. Mathews says the material is formed of the roots of the *Osmunda regalis*.

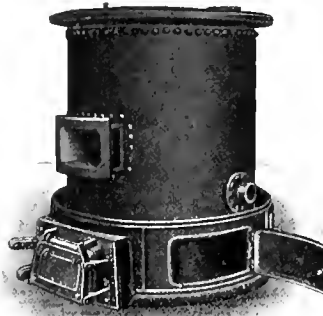
Mr. Bigelow had just put in a handsome icebox. It is quite an ornament to his store. No ice will be used before Summer. A zinc pipe 8 inches in diameter enters the box at the bottom and passes through the outer walls of the store. This brings the cold air from the outside right into the icebox. The current of air can be regulated by slides to suit the temperature outdoors, so as to secure the necessary low temperature desired in the box. J. M.

BERKELEY, CAL. — Through the efforts of H. A. Lilienthal, a second branch of the Juvenile Horticultural Society has been organized here.

MANSFIELD, MASS. — William Brown is confined to the house suffering from an attack of pneumonia, from which he is improving. H.

THE NEW DUNNING BOILER

The simplest, most easily cared for, most economical, most reliable and satisfactory, that was ever made for use
IN GREENHOUSES.



With the "New Dunning" you can regulate the heat in any part of the Greenhouse, and keep an even temperature all through the season, with perfect accuracy, and with the least fuel and work.

It is made of fine steel (not cast iron) and will never crack.

It has no packed, screwed or pushed connections. All joints are plate to plate, with hot driven rivets, and absolutely tight. It has no tubes, horizontal or vertical. The cre surfaces are vertical. No oooks or firebricks for soot.

Inside boiler surface perfectly smooth. No lodgment of mud, sediment or scale.

Two fire-boxes, and thin water chamber between them. Two shells, and thin water chamber between them. Fire travels twice the length of boiler, and is all used in heating the water.

Water drains off to last drop. The "New Dunning" burns hard coal, soft coal or wood.

It lasts longer, and costs less to maintain, and does better work, than any other boiler.

It is used by U. S. Government in many departments.

Write for our Free Illustrated Catalogue, 38th Edition, with Price List.

NEW YORK CENTRAL IRON WORKS COMPANY
GENEVA, NEW YORK

NOW IS THE RIGHT TIME TO FIGURE MATERIAL AND PLAN FOR THE BUILDINGS OF THIS YEAR

Foley's QUALITY AND WORK THE BEST PRICES RIGHT AND LOWEST ESTIMATES WILL PROVE. TRY US

FOLEY VENTILATING APPARATUS UNEQUALED

Will ventilate any size of house easily. Send for circular

THE FOLEY MFG. CO., Western Avenue, CHICAGO, 25th and 26th St.

Headquarters for

Greenhouse and Hoibed Sizes

Write us for prices

Sharp, Partridge & Co.

2260-2266 Lumber St., CHICAGO.

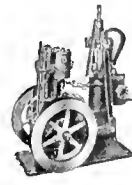
GLASS



Evans Improved Challenge

Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market. Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO. RICHMOND, IND.



FOR WATER SUPPLY GET A STANDARD PUMPING ENGINE

which is a GOOD GAS OR GASOLENE ENGINE AND A GOOD HIGH PRESSURE PUMP.

BOTH IN ONE MACHINE

Catalogue will tell you more. The Standard Pump & Engine Co. CLEVELAND, O.

PLANT CULTURE

PRICE \$1.00.


A. T. DE LA MARE PTG. & PUB. CO.
2 DUANE STREET, NEW YORK

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

Prices Advertised in these Columns are for



U-BAR GREENHOUSES
 FOR FLORISTS' SHOW ROOMS, PARKS AND PRIVATE ESTATES
PIERSON U-BAR CO. *Send for Catalog*
 Designers and Builders U-Bar Greenhouses
 Metropolitan Building, 4th Ave. and 23d St., NEW YORK



The Greenhouse Structural Co.
 840 West 4th Street, CINCINNATI, OHIO
 Manufacturers of
IRON FRAME GREENHOUSES
 Re-enforcing for Concrete "Post and Board" Walls,
 Ventilating Machinery, Iron Fittings, Iron Purlins
 and Gutters for wood houses, etc., etc.
 Send for catalogue and designs.



It Will be of Interest to you
 while planning your new houses,
 to receive our
Catalogue and Suggestions

THEY DO NOT COST YOU ANYTHING
 La. Cypress and Wash. Red Cedar **GREENHOUSE MATERIAL**
 HOTBED SASH, GREENHOUSE HARDWARE AND POSTS

A. DIETSCH CO., 615 Sheffield Avenue, Chicago, Ill.

"What cannot be cured must be endured." 'Tis true. But why endure poor hot water circulation in your greenhouse when the Holly Electric Circulator will cure it instantly, perfectly and economically! Write for information to
The HOLLY STEAM ENGINEERING Co.
 135 E. 15th St., NEW YORK CITY

USE THE BEST.
Economy Greenhouse Brackets
 are used by leading growers everywhere. Send for price list and descriptive circular.
BUXTON & ALLARD, Dept. C Nashua, N. H.

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.
GLASS
 N. COWEN'S SON,
 14 & 16 Wooster Street, New York

GREENHOUSE BOILERS
JOHN A. SCOLLAY
 72-74 Myrtle Ave., Borough of Brooklyn,
 NEW YORK CITY
 U. G. SCOLLAY, MFR. Established 43 Years
 Send for catalogue.

FRANK VAN ASSCHE
Greenhouse Builder
 Private or Commercial. Iron or Wood.
 Factory and Yards: Fulton and Rose Ave.
 and Dwight St., Jersey City, N. J.

How About It?

Are you going to put off the subject of building until next summer again? Why not talk it all over now and get the whole business all in good shape so that next spring when the first warm day shows up you can get right out and put up your greenhouse? No waiting, no worry, no loss of time and money. Mr. Florist, it is a common sense proposition—figure and order now, and build when you want to. We have time to give you careful, close attention now. You want the catalog first, so send for it today. Don't lock the door tonight unless you have written for it.

JOHN C. MONINGER CO.
 CHICAGO.
 115 E Blackhawk Street

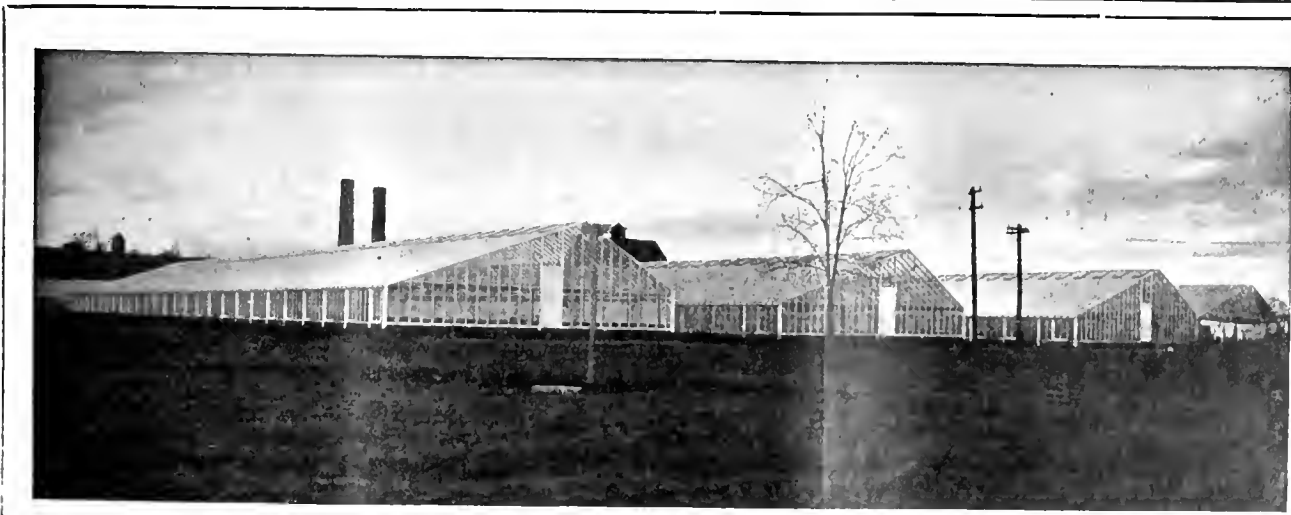
Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

WILLIAM H. LUTTON
HORTICULTURAL ARCHITECT AND BUILDER
 WEST SIDE AVENUE STATION (C. R. R. OF N. J.)
 JERSEY CITY, N. J.

Have not been established 50 years, but long enough to convince the wide-awake Florist and Gardener that it is to his interest to place his work in thoroughly practical hands.
 (150,000 sq. ft. glass erected in 1907 will substantiate this claim.)

And why not? My material is the best that can be secured. My iron frame construction has every modern feature that years of practical experience can embody.

And then there is the cost to be considered. Why not let us take up this important question now?



IF you are going to build a greenhouse consult the pioneers in the manufacture of the stock. Cypress sash bars 32 feet or longer.

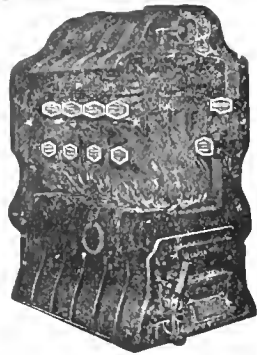
The A. T. Stearns Lumber Co.
 NEPONSET,
 Boston, - - Mass.



WHOLESALE TRADE LIST

Asparagus Plumosus and **Tenuissimus**, 5 in. pots \$3.00 per doz.
Asparagus Sprengeri, 3 in. pots, \$4.00 per 100.
Cape Jasmine, 4 in. pots \$2.00 per doz.
Cycas Revoluta, started 3-10 fronds, 10c. per frond.
Cyperus Alternifolius, 2 1/2 in. pots, \$3.00 per 100.
Ferns for dishes 2 1/2 in. pots, \$3.00 per 100.
Ferns, Boston and Anna Foster, 4 1/2 in. pots, \$2.00 per doz.
Geraniums, best commercial varieties, rooted Cuttings \$2.00 per 100.
Iris hardy English, 4 in. pots, \$1.50 per doz., \$10.00 per 100.
Moschosma Riparium, 4 in. pots, \$1.50 per doz.
Palms, Coeos Weddelliana and Kentia Belmoreana, 4 in. pots, \$3.00 per dozen.
Paris Daisies, white, 3 in. pots, \$4.00 per 100.
Rooted Cuttings, \$1.00 per 100: **Heliotrope, Fuchsias**, 4 varieties, **Salvias**, dwarf and tall; **Variiegated Vincae** and **Cuphae**.
 Cash with order please.

C. EISELE, 11th & Roy Streets, PHILADELPHIA, PA.

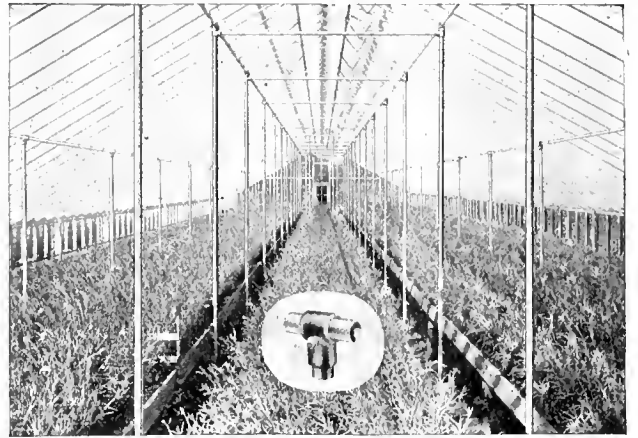


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Is the verdict of one of the largest rose growers who placed two of these **GREENHOUSE BOILERS** instead of two others of well known make.
 Estimates furnished for heating plants erected complete, or for material only.

JOHN A. PAYNE
 Horticultural Architect and Builder

260-274 Culver Ave., Jersey City, N. J.
 Sash opening apparatus and all kinds of greenhouse structural material



No, we are not done talking yet about that **SEMI-IRON HOUSE**. You see we are determined that you shall know its strong points.

Here is the interior of one at Hatboro, Pa., for which we furnished the materials. The view is taken looking right down the center of the **GIANT ARCH**.

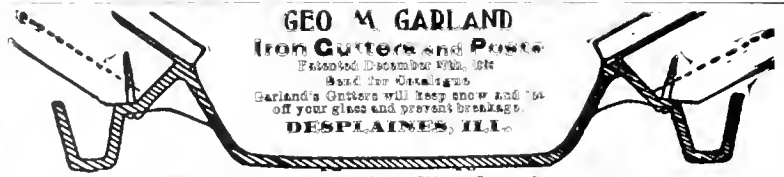
Two or three weeks ago we had a full page in one of the papers, fully describing the house, and among other things what the owners, Messrs. Harry M. Weiss & Sons, think of the construction. Mr. Weiss even went so far as to say he would be only too glad to give anyone writing him, his point of view.

Here is an extract from a letter of reply to one of the inquiries:

"Your postal received, asking for information concerning iron and concrete for greenhouse construction. In regard to iron for greenhouses, would say, we find by using the L. and B. iron post set in concrete, with the galvanized iron ice-clearing eave plate and sash bar clasps, make a very neat and lasting job. The 1 1/4 inch iron pipe purlin and 1 1/2 inch pipe columns set in concrete, used as a **GIANT ARCH**, is a **TOWER OF STRENGTH** and casts very little shade.

But go and see the houses and prove it for yourself. Before you go, send for circular and in our reply we will tell you easiest way to get there. Lord & Burnham Co., New York Offices, 1133 Broadway, Corner 26th St. Boston Branch, 819 Tremont Bldg. Philadelphia Branch, 1215 Filbert St.

We make every part of a greenhouse but the glass. We sell any part.



GEO. M. GARLAND
Iron Gutters and Posts
 Patented December 21st, 1894
 Send for Catalogue
 Garland's Gutters will keep snow and ice off your glass and prevent breakage.
DESPLAINES, ILL.

A sample of this gutter is on exhibition at Chicago Flower Show and adjacent

THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS.
 S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

The Florists' Supply House of America

Now is the proper time to replenish your stock in

WHEAT SHEAVES, CYCAS LEAVES, MAGNOLIA LEAVES, Green and Brown, as well as all other supplies

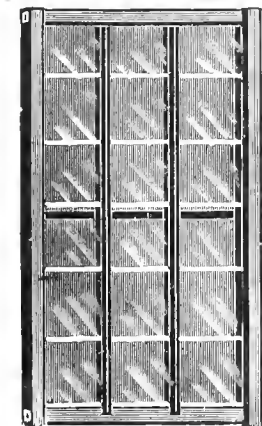
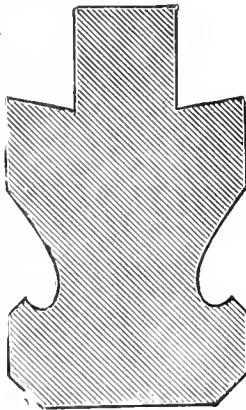
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H. BAYERSDORFER & COMPANY, 1129 Arch Street, PHILADELPHIA

MONEY IS TIGHT SAVE YOUR DOLLARS

Get Our Prices

Hot-Bed Sash AND FRAMES Made From Clear Gulf Cypress

S. Jacobs & Sons
 1365 to 1379 Flushing Ave. Brooklyn, N. Y.



We supply 90 per cent. of the Hot-Bed Sash used in Long Island, New York, New Jersey, Staten Island. We ship them to all parts of the United States.
 Write for Prices and Catalogue

DON'T BUY NORTH CAROLINA PINE SASH SOLD AT 55 CENTS EACH THEY ROT IN A FEW YEARS

We now manufacture exclusively Louisiana Gulf Cypress, the only material for **GREENHOUSE BUILDING**

and carry a big stock of Glass, Putty, Boilers, Pipes, Fittings, Ventilating Apparatus, Mats, Tar Paper, and everything used in Greenhouse construction. Quick shipments. Estimates and prices cheerfully furnished

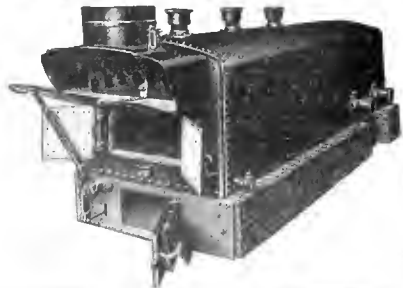
THE KROESCHELL BOILER

IS THE ONLY PERFECT **HOT WATER BOILER**

No. 1 FOR SMALL GREENHOUSES
 No. 15 FOR A RANGE OF 50,000 SQ. FT. GLASS HEATED TO 60 AT 15 BELOW ZERO.

Prices and Catalogue on application.

KROESCHELL BROS. Co.
 33 Erie Street, CHICAGO



A. HERRMANN

Manufacturer of **Floral Metal Designs**

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

OFFICE AND WAREHOUSES: 404, 406, 408, 410, 412 East 34th St. WRITE FOR NEW CATALOGUE

FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXV. NO. 3

NEW YORK AND CHICAGO, JANUARY 18, 1908

One Dollar Per Year

Winsor and White Enchantress

**Strong Rooted Cuttings
Now Ready for Delivery**

WINSOR has proved to be the finest carnation in the light pink class. We sold a large quantity of it last year, but there will be a much larger sale for it this year. At the English Carnation Show held in December, it was the winner in the light pink class. It is doing well everywhere, and will supplant everything in that color.

WHITE ENCHANTRESS will occupy the same position among white carnations that Enchantress does among flesh pinks. It has all the good qualities of the common Enchantress,—long stem, earliness, large size, freedom, etc. In our opinion it is by far the best white carnation ever introduced.

We have a splendid stock of both Winsor and White Enchantress ready for immediate delivery, and will guarantee perfect satisfaction with the cuttings supplied. Do not wait, because the demand for these varieties is bound to be enormous. Order early, while we can promise immediate delivery, and secure gilt-edged stock. We have a large stock of both of these varieties, and all our cuttings are heel cuttings, taken from flowering stems. On account of the quantity that we are growing, we are not obliged to over-propagate, and our stock is in the most perfect and healthy condition.

Strong rooted cuttings from sand, \$6.00 per 100, \$50.00 per 1,000. Extra strong transplanted cuttings from soil, \$7.50 per 100, \$60.00 per 1,000.

Strong established pot-grown plants, \$9.00 per 100, \$75.00 per 1,000.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York



SPLENDID CROP OF

ASPARAGUS

PLUMOSUS

Extra

Large Heavy Strings

50 cts. each

NANUS

W. H. ELLIOTT, Brighton, Mass.

Vaughan's New Crop Flower Seeds for Present Sowing

10 Per Cent. Special Cash Discount: On orders over \$2.00 for Flower Seeds if the cash is enclosed, 10 per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

Trade Pkt.	Oz.	Trade Pkt.	Oz.
Alyssum, Sweet	1 lb. \$1.25 \$0.95	Petunia, Giants of California, mixed	1-32 oz. \$2.50
Little Gem, extra fine strain	.10 .35	"Vaughan's Best" mixture of large flowering Petunias, Tr. pkt. (1000 seeds), 50c., 3 pkts. for \$1.25.	1.20
Begonia, Single, tuberous-rooted	.50	Vaughan's large flowering, Double Petunias, (1000 seeds) 1.20	1.20
giant mixed	.50	Salya Splendens, Clara Bedman (Bonfire)	.25 \$2.50
double, tuberous-rooted, giant flowered	.50	"Drooping Spikes", 1/4-oz., 50c., 25c.	1.60
Vernon	.30c. .10	Fireball, new	.75c. .25
Luminosa, new, better than Vernon	.25	Zurich, new, very dwarf, early	.50
Bellis or Double Daisy, Vaughan's mammoth mixture, 1-16 oz. 45c.	.25	Stocks, Large flowering, extra choice, mixed	3/4-oz., 35c. .25 2.00
Vaughan's Mammoth White	.16 oz. 50c. .25	Pure white, brilliant rose, bright crimson, blood red, light blue, canary yellow, dark blue.	Each 1/2-oz., 35c. .25 2.00
Longfellow, dark pink 1/2-oz. 35c.	.20 2.50	"Cut and Come Again."	
Browallia, Speciosa Major	.25	One of the best stocks for cut flowers, the plants producing many side branches with a large percentage of double flowers. White Perfection or Princess Alice	1/2-oz., 40c. .25 2.50
fan-duff, Giant Hyacinth flowered	1/2-oz. 15c. .10 .20	Each	1/2-oz., 40c. .25 2.50
Celosia, Coxcornb, President Thiers	.15 1.25	Mixed, the above colors and others	1/4-oz., 35c. .20 2.00
Centaurea, Gymnocarpa, lb. \$2.75 .95 .30		Smilax, new crop, very short this year.	1/4-lb. \$1.25 .10 .50
Cobaea, Scandens, blue, lb. \$3.50 .10 .30		New Myrtle-Leaved, 100 seeds, 75c.; 1000 seeds, \$6.00.	
Clematis Punctulata, White, sweet scented	1 lb. \$5.00 .15 .50	Thunbergia, mixed	1/4 oz., \$1.00 .10 .40
Large Flowering Jackmanni Hybrid	.25 2.00	Torenia, Fourneri, charming, pot plant, velvety blue, 1/4-oz., 40c.	.15
Dracaena Indivisa, lb. \$2.50 .10 .30		Fourneri Compacta, Grandiflora, 1/4-oz., 50c.	.15
Indivisa Lineata	.10 .40	White Wings, white, 1/4-oz., 40c.	.15
Forget-me-not, Vaughan's early blooming and late flowering, 1/4-oz. 25c.	.10 .80	Bailloni	1-16 oz., 50c. .25 .50
Fuchsia, double and single varieties, mixed, 250 seeds 75c.; 1000 seeds \$1.00	.10 .80	Verbena, Vaughan's Best, 1/4-oz. oz. Mixture	.10 \$2.00 \$2.00
Grevelia Robusta, sl. pak.	.10 .80	Mammoth, mixed, 2 oz., \$1.70 .10 .25 .50	
Lantana Hybrid, mixed	.95 .15	"White	.15 .25 1.00
Lobelia Crystal Palace Compacta	1/4-oz. 25c. 15 1.20	"Purple	.25 .50 2.00
Speciosa for hanging baskets	1/4-oz., 15c. .10 .50	"Pink shades	.25 .50 2.00
Emperor William, dwarf, 1/4-oz. 25c.	.10 1.00	Firefly, scarlet, white eye	15 .40 1.20
Bedding Queen, best dwarf, 1/4-oz. 25c.	.15 1.50	Striped, on red ground, fine	15 .30 1.15
Mignonette, True Machel, 2 oz. 75c.	.10 .50	Candidissima, white	10 .20 .70
New York Market, Packet about 1000 seeds 50c.; 1/4-oz. \$1.00; oz. \$6.00.		Belfance, richest scarlet	10 .25 .90
Minimus (Musk Plant), 1/4-oz. 30c.	.10 1.00	Dark blue with a white eye	10 .20 .70
Pansies, Vaughan's International mixture, oz., \$10.00; 1/4-oz., \$5.00; 1/2-oz., \$1.50.	.50		
Vaughan's "Giant Pansy Mixture," 1/4-lb. \$14.00; oz., \$4.00; 1/2-oz., 60c.	.25		

14 Barclay St., VAUGHAN'S SEED STORE 84 and 86 Randolph St., 206-208 NEW YORK W. Randolph St., CHICAGO

DAGATA

IN DAGATA we have what is conceded, and that without successful contradiction, to be the highest development of the Geranium at the present time, the Premier of M. Bruant's many magnificent introductions, which is recognized as the Standard in their different classes the world over. The color is a beautiful shade of mauve rose, with large white blotches at the base of each upper petal; flowers are freely produced in enormous trusses; the habit is perfect, dwarf, robust and branching. 25c. each, \$2.00 per doz., \$15.00 per 100.

CYCLOPS. This new race of Geranium is remarkable for its distinct white center, making it strikingly attractive as a pot plant. The following varieties are all of splendid habit of growth, free blooming, etc., and we are confident they will give satisfaction in every way.

MISTRAL. (Lemoine 1905.) The brightest soft crimson shading through tender rose to distinct white center. \$1.00 per doz., \$6.00 per 100.

MALRICE POTTECHER. (Lemoine 1905.) Bright scarlet shading through tender violet to white center. \$1.00 per doz., \$6.00 per 100.

JULES VASSEUR. (Bruant 1906.) Vermilion scarlet, distinct white center, slight violet shading on upper petals. 25c. each, \$2.00 per doz.

LEON BAUDRIER. (Bruant 1906.) Beautiful soft cerise shading to white center. 25c. each, \$2.00 per doz.

LEOPOLD BOUILLE. (Bruant 1906.) Bright crimson magenta, shading through violet to white center. 25c. each, \$2.00 per doz.

DR. PHILIPPE TISSIE. (Bruant 1906.) Light crimson shading through magenta to white center. 25c. each, \$2.00 per doz.

GERANIUMS. New varieties, 100 all different, 1905 and 1906 introduction, a splendid collection, for \$10.00.

GERANIUMS. Standard varieties, \$2.00 per 100 up, 2 in. pots; 1000, our selection, in 20 varieties, for \$18.50.

GERANIUMS. Ivy-leaved, good assortment, \$3.00 per 100.

Pelargoniums. 6 good varieties, \$1.50 per doz., \$6.00 per 100.

	Per 10
LANTANAS, 10 varieties	\$2.00
HARDY CHRYSANTHEMUMS	2.00
HARDY ENGLISH IVY	2.00
FUCHSIAS, Black Prince and Minnesota	2.00
CUPHEA, Cigar Plant	2.00
HAZELIA ROOTS, \$5.00 per 100, \$10.00 per 1000, whole field clumps. Send for list.	

	Per 10
COLEUS, 10 varieties	\$2.00
AGERATUM, Stella Gurney, Inimitable and dwf. white	2.00
YERBENAS, White, pink, scarlet and purple	2.00
CALADIUM Esculentum, 3 to 6 in.	1.00
" " 6 to 9 in.	2.00
LAVENDER & ROSEMARY, 2 in.	2.00
" " 3 in.	3.00

Visitors always welcome. Cash with order. R. VINCENT, JR. & SONS CO., White Marsh, Md.

EXTRA FRESH

FLOWER SEEDS FOR PLANTING NOW



	Trade Pkt.	Oz.
Alyssum Compacta	\$0.10	\$0.35
Aster, Queen of the Market	.20	.60
Branching	.25	.60
Begonia Vernon	.25	2.00
Bellis Perennis	.25	1.75
Centaurea Gymnocarpa	.15	.35
Carnation Marguerite	.25	1.00
Cyclamen Giganleum, per 100 seeds, 75c.		
Lobelia Compacta	.25	1.25
Mignonette Defiance	.15	.50
Myosolis Victoria	.25	.75
Pyrethrum, Golden Feather	.10	.30
Salvia Bonfire	.25	2.50
Stocks, Cut and Come Again	.25	2.00
Verbena, Mammoth	.25	1.00
Vinca, Alba and Rosea	.15	.50

WM. ELLIOTT & SONS, 201 Fulton Street, New York

FOR IMMEDIATE SOWING

We can supply Fresh Seeds of the following:

RAWSON'S MAMMOTH VERBENAS in splendid mixture of colors..... 1/4 oz. 30c. 1 oz. \$1.00
VINCA ROSEA, in Rose, Pure White, White with Rose Eye and Mixed..... oz. 50c

SALVIA
SPLENDENS GRANDIFLORA 1/4 oz. 25c. oz. \$1.50. | **FIREBALL** 1/4 oz. 75c. oz. \$5.00
BONFIRE (Clara Bedman)..... 40c. 2.50. | **ZURICH** (Novelty 1907) \$1.25 8.00

KING OF CARPETS (Novelty 1908)

Undoubtedly the best SALVIA for bedding; when the plant begins to flower, usually early in July, foliage and stem are entirely hidden by the massive display of flowers; grows only 18 in. high and is of the brightest scarlet. Per pkt. 20c.



Sow Seeds Which Germinate. We Supply Them.

W. W. RAWSON & COMPANY
 5 Union Street Boston, Mass.

Landreth's Seeds

NONE are BETTER

Try Landreth's Red Rock Tomato, the best Large Red Sort
 Wholesale price \$2.75 per pound.

Or Shipper's Pride Cantaloupe, \$1.20 per pound.

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CAULIFLOWER SEED

We are now prepared to furnish the best strain of Cauliflower Seed in the world—grown in Denmark and personally selected by Mr. Gundestrup during his recent visit to that country.

KNUD GUNDESTRUP, 4273 Milwaukee Ave., CHICAGO



ESTABLISHED 1802

Send for our wholesale list of seeds for Florists and Market Gardeners, ready in a few days.

GLADIOLUS PRIMULINUS
 \$8.00 per doz.; \$60.00 per 100

PRIMULINUS HYBRIDS
 \$3.00 per doz.; \$20.00 per 100

J. M. THORBURN & CO.

33 Barclay St., through to
 38 Park Place, New York.

Everything of the highest grade.

	Pkt.	Oz.
AGERATUM, Blue Perfection	\$0.15	\$0.50
ALYSSUM, Little Gem	.10	.35
CANDYTUFT, Empress	.10	.20
BELLIS, Snowball	.25	
Longfellow	.25	
SALVIA, Splendens	.25	1.35
Bonfire	.25	2.50
VERBENA, Mammoth Mixed	.25	1.50

Bridgeman's Seed Warehouse
 RICHARDS BROS., Props.
 37 EAST 19th STREET, Near Broadway,
 Tel. 4235 Gramercy NEW YORK CITY.



FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seed-men. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. in postage stamps. Address American Spawm Company, St. Paul, Minn.

GOLD MEDAL STRAIN BEGONIAS

Tuberous Rooted

	Per doz.	Per 100
Single White	\$0.40	\$2.50
Yellow	.40	2.50
Nankeen	.40	2.50
Pink	.40	2.50
Rose	.40	2.50
Red	.40	2.50
Dark Red	.40	2.50
Salm n	.40	2.50
Orange	.40	2.50
Mixed	.35	2.25
Double White	.65	5.00
Yellow	.65	5.00
Orange	.65	5.00
Rose	.65	5.00
Dark Rose	.65	5.00
Dark Red	.65	5.00
Red	.65	5.00
Salmon	.65	5.00
Mixed	.50	4.00



CALADIUM ESCULENTUM Or ELEPHANT'S EAR

	Per doz.	Per 100
Size 5x7 inch bulbs	\$0.30	\$2.00
" 7x9 " "	.48	3.00
" 9x11 " "	.85	6.00
" 12 inch and over bulbs	2.40	16.00

GLADIOLUS BULBS

Of the following varieties we have exceptionally large and choice stock.

	Per 100	Per 1000	Per 5000
America, 1st size	\$7.00	\$60.00	\$250.00
Augusta, 1st size	2.50	20.00	95.00
Brenchlyensis, 1 1/4 to 2 in. bulbs	1.50	10.00	47.50
" 1 1/4 to 1 3/4 in. bulbs	1.00	8.00	37.50
May, 1st size	2.00	15.00	
White and Light, 1st size	1.50	12.00	57.50
Special Mixed, extra large selected bulbs	1.00	8.00	37.50
Tuberose Excelsior Pearl, 4x6 1st size		9.00	40.00

STUMPP & WALTER CO., 50 Barclay St., NEW YORK

RIBBONS

sold to you direct from the mill, with the jobbers, commission and supply house profits cut out.

This means better ribbons than you have been using at the same prices, or ribbons of equal quality at less prices.

Write for samples. Compare with your present ribbons, and see how you

Save All Between Profits

The Fine Tree Silk Mills Company
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Office and Salesrooms: 806-808-810 ARCH STREET
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Conway's White Branching Aster

The flower is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season till late. Considered by the leading florists to be the best and most profitable flower ever grown.

Trade Packet \$1.00, Half-Ounce \$3.00, Ounce \$5.00

Cash with order please

F. A. CONWAY & CO. INDIANAPOLIS, IND.

W. & D.'S SPECIALTIES FOR 1908

Tomato, "The Don," best for forcing. Cauliflower, First and Best. Onion, Ailsa Craig. Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spawn, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready. Free on application. *SEE MERCHANT'S Weeber & Don, AND GROWERS
 114 Chambers St., NEW YORK

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

THE AMERICAN CARNATION
 Price \$3.50. Send for Sample Pages

A. T. DELA MARE PTG. & PUB. CO., Ltd. 2-8 DUANE STREET, NEW YORK

High Grade LILY of the VALLEY PIPS for Forcing

The Best Hamburg and Berlin Stocks Procurable
HIGH GRADE BERLIN (3 yrs. old) per 100 \$1.50, per 1000 \$12.00, per case (2500) \$28.00
HIGH GRADE HAMBURG (3 yrs. old) " 1.25 " 10.00 " 21.00
 SEND FOR FLORISTS' WHOLESALE LIST—JUST ISSUED
JOHNSON SEED COMPANY, 217 Market Street, Philadelphia, Pa.

CLOSING OUT OUR SPIRAEAS

Doz.	100
Japonica and Compacta, multiflora	\$0.60 \$1.00
Astilboides floribunda	.75 4.25
Luperba	.75 4.25

"FRESH FERNSPORES."
 SEND FOR LIST.

Our new Seed and Bulb Catalogue for Spring, 1908, ready during January.
 Send for it if your postman does not bring it.

H. H. BERGER & CO.
 70 Warren Street New York

"Quality is remembered long after price is forgotten." What Quality Means.
 Quality means the best and finest types procurable in their respective classes. We go to specialists for our flower seeds. Our customers, the florist, the private gardeners demand the highest grade. We have no cheap catalogue trade. "Quality" may mean a little higher in price. "Quality" in fact, means "Quality" and we know that when you buy from us you get it, and our customers know it, too. Catalogues now in press; 40 pages. Write for one; it's free. We sell bulbs too.
ARTHUR T. BODDINGTON, SEEDSMEN,
 342 West 14th St., NEW YORK

S. M. ISBELL & CO.
 JACKSON, MICH.
CONTRACT SEED GROWERS
 Bean, Cucumber, Tomato, Pea, Muskmelon Squash, Watermelon, Radish, Sweet Corn
 Correspondence Solicited
 Write for Prices on Surplus Stocks for Immediate Shipment

XXX SEEDS

VERBENA, Improved Mammoth, finest grown, mixed. 1000 seeds, 25 cts
PHLOX Drum, pumila, very dwarf, grand for pots, fine colors. Pkt. 25 cts
HARDY PHLOX, finest large-flowering dwarf vars. mixed. Pkt. 25 cts
ALYSSUM compactum, most dwarf and compact var. grown, perfect balls when grown in pots. Pkt. 25 cts.
PETUNIA, Star Improved, from finest marked flowers, very fine. Pkt. 25 cts.
PETUNIA, Giant Single Fringed, large and fine. Pkt. 25 cts.
CHINESE PRIMROSE, finest grown, single and double mixed. 500 seeds \$1.00; 1/2 pkt. 50 cts.
CINERARIA, Large-Flowering Dwarf, mixed. 1000 seeds 50 cts.
GIANT PANSY, finest grown, critically selected. 5000 seeds \$1.00; 1/2 pkt. 50 cts.
CYCLAMEN Giganteum. 200 seeds \$1.00.
MARGUERITE DAISY, Princess Henry, mammoth flowering, hardy, new, grand for cutting. Pkt. 25 cts.
ANTIRRHINUM, New Dwarf, fancy colors, exceedingly fine. Pkt. 25 cts.
SALVIA, Bonfire, finest grown, brilliant scarlet and compact, 1000 seeds 40c.

IRISH SHAMROCKS
 The Real Thing. Green
 It is best to order early and grow on to make strong plants for St. Patrick's Day. Our stock is very fine, \$1.00 per 100, or by mail postpaid, 60c. per dozen.
 Cash. Extra count of seeds in all packets
JOHN F. RUPP, Shiremanstown, Pa.
 THE HOME OF PRIMROSES

C. C. Morse & Co.
 SEED GROWERS, San Francisco, Cal.
 Address all communications to our permanent address, 48 to 56 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
 Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Gilroy

PANSIES

THE JENNINGS STRAIN
 50,000 plants grown in cool greenhouse. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100, by express, \$3.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$3.00 per 1000; \$2.00 per 500.
PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

E. B. JENNINGS,
 Lock Box 251, SOUTHPORT Conn.
 Grower of the Finest Pansies

NEW CROP FLOWER SEEDS

Verbena Mammoth, in colors or mixed, 1/4 oz 30c, oz. \$1.00
Salvia Splendens, 1/4 oz 35c., oz. \$1.25.
Salvia Bonfire, 1/4 oz. 75c., oz. \$2.50.
Lily Valley, Early opening, to close out, per 1000, \$11.00.
Fresh Tobacco Stems, Bale of 300 lbs. \$1.50.

W. C. BECKERT, Pittsburg, N. S., Pa.



StockSeed
Giant Branching 85% to 90% Double Flowers
 Pure White
 1/8 oz 75c.
 1/4 oz \$5.00
 Other Colors, 1/8 oz., 60c.; oz., 4.00
H. E. FISKE SEED CO.
 12 and 13 Faneuil Hall Sq., BOSTON, MASS.

CHOICE GERMAN FLOWER SEEDS
 Wholesale catalogue free on application.
FRED ROEMER, Seed Grower
 QUEDLINBURG, GERMANY

ROSES

Hybrid Perpetuals, 2 in. pots, \$30.00 per 100
Annie Mueller, all sizes. Prices on application.
AMBURN PLEICUM for transplanting, 10 to 15 inches \$3.00 per 100
HYDRANGEA P. G. for transplanting, 8 to 10 inches \$2.00 per 100
DAHLIAS, large clumps \$1.00 per 100
MADAM PLANIER ROSE, extra strong, with red buds per 100
CRIMSON RAMBLERS, all sizes
PRIVET and HYDRANGEA CUTTINGS. Prices on application.
THE ELIZABETH NURSERY CO.
 ELIZABETH, N. J.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
 George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Waashington, D. C., second vice-president; C. E. Kendell, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

DES MOINES, IA. Professor Jones and Professor Bowman of the State Agricultural college at Ames are making arrangements for opening an extensive seed house in this city, which will do a commercial business in agricultural seeds grown in this locality.

MARBLEHEAD, MASS. Speaking of the 1907 crop conditions in their catalogue for the present year, Messrs. J. J. H. Gregory & Son, seedsmen, say: "As a seed year, the exceptionally late Spring, dry Summer, and a Fall excessively dry in some sections and as excessively wet in others were unfavorable to the pea crop, both early and late varieties, have made some varieties of beans short, greatly reduced the squash crop, did great injury to late varieties of sweet corn, and caused more rot than usual in the Eastern-grown crop of potatoes."

BOSTON, MASS.—Most of the stores here are busy mailing their Spring catalogues and look for an early start of business.

Maurice Fuld of W. W. Rawson & Company has returned from a two weeks' trip, having visited New York, Philadelphia and Pittsburg.

G. C. Thomson has left the H. E. Fiske Seed Company, and has gone to Milwaukee, Wis., to join the staff of the well-known firm of Currie Brothers of that city.

The Haskell Implement & Seed Company is the latest addition to the trade in this city, with a store at 22 South Market street. J. W. D.

GOVERNMENT SEED DISTRIBUTION.—The distribution of the packages of vegetable seed which have been allotted to correspondents in the Southern States will begin within a few weeks. Envelopes of seed, with blank tanks attached, will be sent, in bulk, to the State statistical agents and to county correspondents, to be addressed and distributed, by packages, to their aids and assistants. Distribution to States farther north will be made later.

NEBRASKA CO-OPERATIVE SEED-TESTING LABORATORY.—Arrangements have been made by which the Bureau of Plant Industry, co-operating with the Nebraska Agricultural Experiment Station, will, about January 20, 1908, establish a seed-testing laboratory at Lincoln, Neb. This laboratory is being started in order to give quicker reports on samples of seed submitted by farmers and seedsmen in Nebraska and adjoining States where the time required for mail to go to Washington, D. C., and return frequently causes serious delay. As the facilities for work will be limited for the present, it is suggested that only those samples be sent to the Nebraska laboratory on which quick reports are desired.

All samples of seed and correspondence intended for this laboratory should be addressed: "Co-operative Seed-Testing Laboratory, Nebraska Agricultural Experiment Station, Lincoln, Neb."
 EDGAR BROWN,
 Botanist in Charge of Seed Laboratory, Washington, D. C.

IMPORTS OF SEEDS, ETC.—January 7. —H. H. Berger & Company, five cases bulbs; Godwin's Sons, 20 bags seed.

VICK'S ASTER SEED
 THE STANDARD OF EXCELLENCE

Vick Quality ASTERS
 INTRODUCED BY US GROWN EVERYWHERE
 Vick's Branching (8 colors)
 Vick's Snowdriit
 Vick's Royal Purple
 Vick's Lavender Gem
 Vick's Daybreak
 Vick's Purity
 Vick's Sunset
 Vick's Mikado
 Vick's Cardinal
 Vick's Violet King

HOW TO GROW ASTERS, Revised
 Full of information for Asters Growers.
 Price 10c.
 Free with an order of Aster Seed.
FLORISTS' NOVELTY COLLECTION
 Six of our latest introductions including Sunrise (New) and Early White Branching (New). Price
 Vick's Early White Branching \$0.25
 Vick's Imperial Aster Sunrise .25
 Vick's Violet King .20
 Vick's Cardinal .25
 Vick's Lavender Gem .25
 Vick's Rosy Carmine .25
 How to Grow Asters .10
 \$1.55
 All of the above, including our "Aster Book for Florists" for 90c.

SEND FOR OUR NEW Illustrated and Descriptive Aster Book for Florists

It describes in detail, not only the varieties originating with us, but also all other leading sorts.
 The largest and handsomest work of its kind ever issued.
 Intended only for wide-awake florists who appreciate the fact that

The Best Quality is Always the Cheapest
 Mailed free upon request.

JAMES VICK'S SONS
 ROCHESTER, N. Y.
 The Leading Specialists and Largest Growers of High-Grade Asters in the World.

Two New Varieties for 1908

VICK'S IMPERIAL SUNRISE
 A novelty of extraordinary merit. Seedling from Vick's Daybreak, but distinct in form of flower, each petal being perfectly quilled. Color, delicate pink. Plant a robust grower, upright branches, each crowned with magnificent double flowers, three to five inches in diameter. Type securely fixed. Sure to be a winner. Packet 25c; two packets or more 20c. each.

VICK'S EARLY BRANCHING
 Developed from Vick's Late Branching. Flowers of this new variety can be placed on the market ten days ahead of Late Branching sorts. Plants have few branches which are free from side buds, the whole strength of the plant being given to the development of large perfectly double flowers. Long stems. Two colors, White and Rose. Packet 25c; two packets or more 20c. each.

For prices in quantity see our "Aster Book for Florists."
OTHER FAVORITE VARIETIES
 Hohenzollern Early Hohenzollern Late
 White Fleece Early Wonder
 Empress Frederick Giant Comet
 Semple's Branching Pink Queen of the Market
 For prices see our "Aster Book for Florists."

January 8.—O. G. Hempstead & Son, five bushels seed; Peter Henderson & Company, two packages seed; J. P. Roosa, one box seed; F. B. Vandegriff & Company, three bags seed; Peter Henderson & Company, one box seed; Pablo Staehle, eight packages live plants; four boxes plants; Kronfield, Saunders & Company, three packages seed, etc.; L. J. Spence, twenty cases plants, January 9.—H. Frank Barrow, ten packages seed; Davies, Turner & Company, six packages seed, etc.; Wm. Elliott & Sons, one barrel seed; Maltus & Ware, four packages seed, January 10.—C. C. Abel & Company, 47 packages plants; American & Patterson, 33 packages plants; H. F. Barrow, 22 packages plants; Peter Henderson & Company, 58 packages seed; McHutchison & Company, 65 packages plants; A. H. Post & Company, 42 packages seeds; J. M. Thorburn & Company, 153 packages seed; F. B. Vandegriff & Company, 210 packages plants, etc. January 11 and 12.—Peter Henderson & Company, 16 bags seed; H. Frank Barrow, 24 packages seed; McHutchison & Company, 67 cases plants.

Seed Trade Notes.

Seedsmen generally are, now that the year has turned, most actively and with a very serious feeling that they may not at any reasonable rates be able to procure a stock of seeds for the coming season's requirements, taking a very close account of what seeds remain on hand from last year that are of high germination, and in perfect salable condition otherwise. Of course our largest wholesale seedsmen have the seed stock yields of their own planted acreages, and the results of their contracts with seed growing specialists as a foundation to work upon in supplying their agents, so to speak; but even those seed firms will be obliged to use the most extreme diplomacy to divide fairly with their regular customers the small seed returns from the 1907 crops that have just been harvested. To sum up in a few words the feeling of the best informed members of the seed trade, I think the following from the wholesale catalogues of one of our most conservative and reliable firms expresses very clearly how matters stand regarding the short crop items (sweet corn, etc.): "We quote tentative prices only on sweet corn. It is impossible to fix quotations firmly at present owing to lack of explicit information as to crops. We solicit orders for limited quantities only, in connection with other seeds." It may seem very strange to many seed dealers who are not always closely in touch with the actual seed growers, that even now many seed crop deliveries have not been made or even reported exactly upon by the growers. Take for example the late sorts of sweet corn; in many cases the corn itself has not yet become dry enough to shell and deliver, even under a long period of artificial heat; and to be plain, I do not think that much of it ever will dry sufficiently to sell, as it did not ripen sufficiently in the field. My earnest advice to those who need such varieties of sweet corn as Stowell's Evergreen, Country Gentleman, Burr's Mammoth, etc., is to secure their needs now; as the time will come, and in comparatively few weeks, when the present market rates of say \$6 to \$7 per bushel for the above mentioned varieties of sweet corn will have forever passed, so far as 1908 sales are concerned; and one of two things will happen—either late sorts of sweet corn will be unobtainable, or will be held at practically prohibitive values, as regards handling the same at a profit. The time to buy all needed seeds is now—not to-morrow; for when the real rush does set in steady and strong, you will see some values placed on certain popular seed stocks that will astound even the best informed seedsmen.

My unknown friend who signs himself "Statistician" has got together some very interesting matter regarding the "Cost of Seed Catalogues," but unfortunately these estimates are not as they seem. The real facts are substantially as I stated, that many small purchasers of seeds send yearly for every seed catalogue published and then buy anywhere from 50c to say \$2 worth. To prove my contention, I only yesterday asked an acquaintance, who I know uses not over \$1.50 worth of seeds a season, how many seed catalogues he had already sent for this year. He answered, "Why, all of them, of course"; and

I noticed that on those seed catalogues he already had on his desk the postage alone amounted to over thirty cents—a good beginning surely. I fully understand that one case in point proves no contention, not even mine; but all "Statistician" need do to satisfy himself that he is wrong is to ask some veteran mail order seedsmen his experience in this matter.

Allow me to say here that The Florists' Exchange very seldom "paves the way" for anyone to "jump on" any statement it may publish and it certainly does not expect "V" to make very many misstatements; but will my good readers all remember this one fact—space in The Florists' Exchange is so valuable that very often I cannot be as explicitly lengthy with my subject as would be my personal wish. You must always read between my lines, and I give even "Statistician" credit for knowing certain fundamental seed business facts.

Speaking of seed catalogues, every year the question comes up as to when is the very best date at which to distribute these catalogues to prospective customers. To my mind there can be no question regarding the policy of the largest firms in sending out their seed books as nearly as possible on January first of each year. But for those seedsmen who do purely a local business (as against a general mail order, express, and freight business done by many large firms, all over America and the world in fact), there is a very substantial argument in favor of sending out their seed lists just before their customers are ready to place their orders, which would be from one to two months after the large firms have sent out their seed books. But this is one of those broad and general questions that each one in his own individual business must decide for himself.

It is certainly a cause for joy in a year of such extreme seed crop shortages as we are now facing to have even one popular seed seller of fine quality, and low in price. I refer to nasturtiums, both in the dwarf and climbing varieties. Both these fast-selling flower seeds are very low in price this season, for the very finest mixtures. Nothing you could push as a specialty in seeds would or could give your customers more real satisfaction than some fine nasturtiums, at a low price. You can purchase the very finest mixtures of either dwarf or tall nasturtiums for not exceeding say forty cents a pound; and much less in good round lots. This matter is well worth due consideration.

I do not at all like the continued comparatively mild weather, and without snow; it has every indication of another open Winter, like last year, with the snow all falling in the month of March, a resulting late Spring, followed by another indifferent growing season. But let us hope that real snowy Winter will very soon be with us.

European Notes.


The dry spell persists and while the biting east winds are playing havoc with our help, it is all in favor of threshing operations, and growers are falling over each other to deliver their crops. The Christmas rush on railways and steamboats being over, such insignificant merchandise as seeds is at last receiving attention. Consignments that were despatched by the growers fully six weeks ago have only come to hand. In some cases the carriers have delivered goods previously reported lost, and for which they have been prepared to pay compensation. The mishap to the S. S. Cambrian has deranged all shipments now ready, as it is proposed to transfer her cargo to the succeeding steamer and leave the goods now lying at the wharf for a later date. The expense of towing this steamer back to port will doubtless involve importers in a heavy claim for general average. The value of full insurance on all goods has been amply demonstrated this season. *Verb. sap. sat.*

How far the present spell of Winter will affect our unprotected plants for 1908 crops it is not possible to say at present, but as they were all in a sapty condition, owing to the Autumn floods, they are not likely to benefit with the thermometer registering from 10 to 15 degrees of frost and a 15-mile wind direct from Siberia. There is one comfort for us and that is, we are all in the same boat; Paris, London and Vienna are equally frozen up, with no indications of a change.

BARGAINS! BARGAINS!

In Fine Condition
Astilbe Gladstone \$3.00 per 100.
Astilbe Compacta \$3.00 per 100.
Astilbe Alexandra \$2.75 per dozen.
MOORE & SIMON, Bulb Importers,
 339 Market Street, PHILADELPHIA, PA.

Established 1900
POAT BROS.
 BULB GROWERS
 FORMERLY OF ETTRICKS, VA.
 GIVE NOTICE OF
CHANGE OF LOCATION
 (Owing to Largely Increased Business)
 All Communications Must Now be Addressed
POAT BROS., BULB GROWERS
 NORTH SIDE, HIGHLAND PARK
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A. Mitting
Calla Lily Bulb Co.
 WHOLESALE
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Finest Lily of the
VALLEY EXCELLENTA
 the very finest Valley for particular florists, \$12.00 per 1000.
JOHN SCHEEPERS & COMPANY
 4 & 6 Old Slip, NEW YORK CITY

DAHLIAS
 Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.
DAVID HERBERT & SON,
 Successors to L. K. PEACOCK, Inc.
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TUBEROUS BEGONIAS
 Single Flowering } Large bulbs, per 1000, \$9 00
 } Small bulbs, per 1000, 5 00
 Double Flowering } Large bulbs, per 1000, 15 00
 } Small bulbs, per 1000, 8 00
GLOINIA, large bulbs, per 1000, \$16 00; in separate colors
ALB. TABOUREAU
 Plants and Bulbs GHEENT, BELGIUM

EXPORTERS AND IMPORTERS OF
Pure Japanese Bulbs, Seeds, Shrubs, Etc.
The Tokyo Yengei Kaisha, Ltd.
 179 Mukojima, Tokyo, Japan
ILLUSTRATED CATALOGUE POST FREE

GLADIOLI BULBS
GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.
ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

Stokes Standard Seeds.
 I am a **MARKET GARDENER'S SEEDSMAN.** Send me in your list of wants for next season. You will like my stocks and my prices. Wholesale list ready.

Stokes Seed Store
 219 Market Street, PHILADELPHIA

GREGORY'S SEEDS
 have earned a world-wide reputation. Thousands of farmers and gardeners rely upon them absolutely because they are sure growers. If you have never planted them, just try them this year. Our new catalogue helps solve all the problems of planting—will be likely to set you right when in doubt. IT'S FREE. Write for a copy.
J. J. H. GREGORY & SON
 MARBLEHEAD, MASS.

ASPARAGUS SEED
PLUMOSUS
 1000 at \$3.50 per 1000
 5000 at 3.25 per 1000
 10,000 at 3.00 per 1000

Maryland Grown Valley
 PIPS \$5.00 per 1000
 CLUMPS 6.00 per 1000

Fisher Carnations
 \$10.00 per 1000
THE FLORISTS' EXCHANGE, Baltimore, Md
 Franklin and St. Paul Sts.

Gladiolus "America"
FOR FORCING
 Strong bulbs, \$60.00 per 1000.
 Florists' white and light, mixed \$12.00 per 1000.
 Iris Kaempferi, named, \$50.00 per 1000.
 Iris Kaempferi, mixed, \$30.00 per 1000.
 Phoenix Roebelenii, 2 inch pots \$7.00 per 100.
 Phoenix Roebeleni seedlings, \$4.00 per 100.
 Liliums in great variety. New trad list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.
DAHLIA ROOTS
 Strong field grown, all good cut flower varieties Also KALMIAS and other native plants.
J. M. BASSETT, Hammonton, N. J.

Thanks to the Cunard record breaker we are now receiving on Friday afternoon the mail which formerly reached us on the Monday following, thus saving nearly a week in reply. If the American office boy could only understand that the postage fee to Europe is 5c, for letters under one ounce in weight he would save us much money and some temper. As it is reported that we are soon to have a daily service between England and America, it is to be hoped that the rates will be reduced to a two-cent basis.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

JOHANNES RAFFEN, Copenhagen, Denmark.—Price List of Seeds of Composites, Deciduous Trees and Shrubs

WILLIAM ELLIOTT & SONS, New York.—Trade Catalogue of Flower, Vegetable and Agricultural Seeds, Implements, Tools, Fertilizers, etc.

J. STECKLER SEED COMPANY, Ltd., New Orleans, La.—Illustrated Catalogue of Seeds, Plants, Supplies, etc., with an interesting list of Novelties and Specialties

HASKELL AVENUE FLORAL COMPANY, Dallas, Tex.—Illustrated Catalogue of Roses, Geraniums, Carnations, Cannas, etc., for the South. A colored representation of a plant of Meteor Rose in a pot makes an attractive cover design.

JAMES J. H. GREGORY & SON, Marblehead, Mass.—The fifty-second annual catalogue of Vegetable and Flower Seeds, Plants, etc., illustrated. As usual an interesting and instructive catalogue, replete with offerings of the newest and best.

T. R. WATSON, Plymouth, Mass.—Trade List of Deciduous Trees and Shrubs, Wild and Climbing Roses, Vines and Climbers, Evergreens, Herbaceous Perennials, Fruit Trees, Small Fruits, etc. An interesting and comprehensive catalogue.

THE GEORGE H. MELLE COMPANY, Springfield, O.—Catalogue of Seeds, Bulbs, Plants, Fruit Trees, etc. Roses form one of this firm's specialties and a large list, including novelties, is enumerated. The catalogue is profusely illustrated, colored plates of Peonies and Nasturtiums being also provided.

WEBBER & DON, New York—Catalogue of Seeds, Bulbs, Plants, Fruit Trees, Shrubs, Supplies, etc. Profusely illustrated and neatly printed. Some of this well-known firm's specialties are Cauliflower First and Best, Corn The Don, Mushroom Spawn, Tomatoes The Don and Stirling Castle, Mignonette New York Market and Leviathan, the latter figuring as the front cover illustrations. Giant-flowering Nasturtiums, etc. Also Wholesale Catalogue of Garden and Flower Seeds, Bulbs, Tools, Fertilizers and Sundries.

ST. LOUIS SEED COMPANY, St. Louis, Mo.—Illustrated Catalogue of Flower, Farm, and Garden Seeds, Bulbs, Plants, Supplies, etc. This firm is now well established in its new building where it has greater facilities for the conduct of its increasing trade. A framed portrait of each customer is presented free. Among the novelties figured as cover designs are the new Wonder Magnas Tomato and Nichols' Greenback Cucumber. "The earth owes you a living; Pure and sure seeds will make it pay you," is the firm's motto.

BRIDGEMAN'S SEED WAREHOUSE (Rickards Brothers, Proprietors), New York City.—Illustrated Catalogue of Vegetable and Flower Seeds, Bulbs, Chrysanthemums, Carnations, Roses, Hardy Perennial Plants, Supplies, etc., with a judiciously selected list of Novelties and Specialties, including Eschscholtzia Dainty Queen, tender blush or coral pink, shading deeper toward the edges, with a groundwork of delicate cream; Petunia King Alfonso, dark crimson; Cosmos Lady Lenox; Aster Giant Comet Triumph of Paris, etc. A well-printed and interesting catalogue.

JOHNSON'S GARDEN AND FARM MANUAL (Johnson Seed Company, Philadelphia).—Catalogue of Vegetable, Flower and Grass Seeds, Plants, Bulbs, Implements, Supplies, etc. The list of Novelties and Specialties, especially in the vegetable department, is particularly interesting, and includes several new Beans, Johnson's Ever-Ready Cabbage seed of which is now offered for sale for the first time; Northmount Egg Plant, Muskmelon Van Buskirk's "Scorched Rock," Onions The Ebenezer and Dark Red Beauty, and new things in Peas and Tomatoes. The catalogue is profusely illustrated.

NEW FLORAL GUIDE, 1908. (Conard & Jones Company, West Grove, Pa.)—An illustrated Catalogue of Roses and other Plants, Seeds, Bulbs, etc.



Ageratum

	Trade Pkt.	Oz.	Price
AGERATUM Blue Perfection, best dark blue	\$0 15	\$0 50	
Cape's Pet, light blue	15	35	
ALYSSUM Little Gem (Carpet of Snow), very dwarf	10	30	
ASPARAGUS Plumicus nanus, (true) greenhouse grown	\$1.50	per 1000 seeds, \$20.00	
per 5000 seeds.			
Sprengeri 75c. per 1000 seeds.	\$3.00	per 5000 seeds.	
BEGONIA semperflorens Gracilis, rose	25		
semperflorens Vernon, red	25		
CANDYTUFT, Empress, white, extra select stock	10	20	
CARNATION Marguerite, finest mixed	20	60	
Marguerite, Giant mixed	50	1.50	
Chabaud's Everblooming, mixed	30	1.50	



Lobelia

Roses and Cannas are among the principal specialties of this house, and large and exhaustive lists of these are furnished. An instructive feature of the catalogue is formed by the lists of Roses enumerated for specified purposes such as for cold and warm climates archways, arbors, trellises, clematises, etc. The new red rose Mme. Eugene Marlitt, beautifully printed in natural color, has been selected for the front cover design, and Roses Killarney and Magniferno, also in color, for the back cover. Colored plates of selections of Roses and Cannas are also provided.

J. BOLDIGIANO & SON, Baltimore, Md. Seed Catalogue for 1908. This is one of the oldest seed establishments in the United States. It has remained in the same family for 90 years, having been established by the great-grandfather of the present head of the firm in 1818. The originator of the business was an Englishman who having learned his trade in England came to this country and started in business in the city of Baltimore, when he died John Boldigiano, Sr., became head of the firm and besides conducting for many years a profitable seed business he was also treasurer of the principal stock exchange of Baltimore, a director in a number of the financial institutions, and a member of the Baltimore City Council. On the retirement from active business of John Boldigiano, Sr., Joseph A. Boldigiano, his son, became head of the concern and

DREER'S

Reliable New Crop

FLOWER SEEDS

We offer below a short list of items which should be sown early. For a complete list see our new Wholesale Price List Free on application to all Florists.

	Trade Pkt.	Oz.	Price
CENTAUREA Imperialis, (Royal Sweet Sultan), in white, rose, lavender, purple, lilac, etc. each	\$0 15	\$0 50	
Candidissima, white leaved	25	1.00	
Gymnocarpa, white leaved	15	35	
CINERARIA maritima candidissima (Dusty Miller)	10	20	
COBAEA Scandens, purple	10	30	
DRACAENA indivisa	10	30	
HELIOTROPE, Lombard's Giant mixed	40	2.00	
Fine mixed	25	1.00	
LANTANA hybrida, mixed	10	20	
LOBELIA Crystal Palace Compacta (true)	30	1.25	
Speciosa, dark blue trailing	15	50	
Gracilis, light blue trailing	15	40	
heterophylla major, blue large flowering	25	1.00	
MATRICARIA capensis, fl. pl., double white Feverfew	10	25	
MIMULUS Meschatus (Musk Plant)	25	1.25	
MIGNONETTE, Defiance	15	40	
Goliath	25	1.00	
Miles Hybrid Spiral	10	15	
Machet	10	25	
PLTUNIA Dreer's Superb Single Fringed, the very best. Trade Packet 50c., 1-15 oz. \$1.00, 1-8 oz. \$1.50.			
Dreer's Superb Double Fringed, the very best. 75c. per 500 seeds, \$1.50 per 1000 seeds.			
Rosy Morn, soft pink	50	2.50	
Brilliant, brilliant carmine pink	30	2.00	
Striped and Blotched, mixed	20	75	

We offer a fine line of Asters, Sweet Peas, Antirrhinum, Cosmos, etc. etc. Our list of Novelties contains many good things for Florists, all of which are fully described in our Garden Book for 1908. Copies on application.

HENRY A. DREER
714 Chestnut St., PHILADELPHIA



Dreer's Double Petunia

	Trade Pkt.	Oz.	Price
SALVIA splendens (Scarlet Sage)	50	25	\$1.00
splendens "Bonfire" dwarf	10	2.25	
splendens "Ball of Fire," very dwarf	50	1.00	
splendens "Burning Bush," large flowered	30	1.50	
SMILAX	10	30	
STEVIA serrata	20	60	
STOCKS, large flowering	10	2.50	
work in separate colors	40	2.50	
Large flowering, 10 week first mixed	30	2.00	
Cut and Come Again, in separate colors	50	3.00	
Cut and Come Again, finest mixed	50	2.50	
THUNBERGIA, finest mixed	15	40	
TORBENIA Fournieri	30	1.50	
VERBENA Dreer's Mammoth, in separate colors	30	1.25	
Dreer's Mammoth, finest mixed	25	1.00	
hybrida, blue mixed	15	50	
VINCA rosea, deep rose	15	50	
rosea alba, white, rose eye	15	50	
rosea, alba pura, pure white	15	50	
rosea, mixed, all colors	15	40	



Salvia Bonfire

VINCAS

Vinca var., fine large plants out of 4 in., \$6.00 per 100; 2 1/2 in., \$2.00 per 100, ALYSSUM, double, in bloom, fine 2 1/2 in., \$2.00 per 100

PRIMULAS, Obconica, baby and Chinese, in bloom, 4 in., \$5.00 per 100; 2 1/2 in., \$2.00 per 100

J. C. SCHMIDT, BRISTOL, PA.

Vegetable Plants

LETTUCE PLANTS
Grand Rapids, Boston Market and Big Boston, 25c per 100, \$1.00 per 1000.

TOMATO
Mayflower and Lorillard, 50c. per 100, R. VINCENT, Jr. & SONS CO., White Marsh Md

Commercial Violet Culture
Price, \$1.50
The Florists' Exchange, 2-8 Duane St. New York

CANNAS

Fine stock, all good, 2 and 3 eye 10,000 mixed Cannas all green-leaved varieties, \$15.00 per 1000.

J. E. Sambrook Co., - Berlin, N. Y.

ROSES FOR FORCING Strong-Dormant Immediate Delivery

American Beauty, Clothilde Soupert, Gloire de Dijon, Hermosa, Kaiserin A. Victoria, Killarney, Liberty, La France, Maman Cochet, Marechal Niel, Mrs. R. G. Scharman-Crawford, Marchioness of Londonderry, Souv. de la Malmaison, including all the leading varieties of Hybrid Perpetuals.

BAY STATE NURSERIES, - North Abington, Mass.

F. & F. NURSERIES SPRINGFIELD NEW JERSEY Wholesale Growers TREES AND PLANTS in full assortment. Trade Catalogue Free

ROSES Selected Stock for Forcing Crimson Rambler and Dorothy Perkins 3 to 4 ft. \$1.50 per 10, \$12.00 per 100. 4 to 5 ft. \$2.00 per 10, \$15.00 per 100. Hybrids. All leading varieties, \$1.50 per 10, \$12.00 per 100.

General Catalog and Trade List on application. THE NEW ENGLAND NURSERIES, Inc., BEDFORD, MASS.

MANETTI

Smooth, evenly graded, especially selected for Florists' use

Grafting Size, 3-5 m/m, \$8.00 per 1000; \$75.00 per 10,000. Extra Size, 5-9 m/m \$10.00 per 1000; \$90.00 per 10,000.

First consignments expected soon; order NOW for prompt shipment on arrival and avoid disappointment.

Send for Price List of NURSERY STOCK FOR FLORISTS

Roses, Clematis, Ampelopsis, Lilacs, Deutzias, Spiraeas, Etc.

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NEW NEW Rambler Rose "Newport Fairy"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

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Extra fine, well rooted, 2-year, light grade for lining out, \$20.00 per 1000; 10,000 for \$150.00.

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Extra well branched, 2-year-old, 2 to 3 feet at \$35.00 per 1000; 1-year-old, 12 inches, at \$15.00 per 1000.

AMERICAN ARBOR VITAE

4 to 5 feet at \$15.00 per 100; 3 to 4 feet at \$10.00 per 100; 5 to 6 feet at \$17.00 per 100. Extra fine stock.

WISTARIA PURPLE

2 to 3 feet at \$7.50 per 100; \$60.00 per 1000; 3 to 4 feet at \$10.00 per 100.

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BABY RAMBLERS, from 5 inch pots - without the pots \$15.00 CRIMSON RAMBLERS, extra strong \$12.00 to 15.00 H. P. ROSES 10.00 COCHETS 7.00

SPECIMEN CONIFERS, very cheap, need the room.

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TWO YEAR OLD Everblooming Roses OWN ROOTS

THESE are strong well-branched plants. They have been potted for some time and are well equipped with roots. Packing can be done very light and they will carry safely to any part of the country.

\$1.00 per doz.; \$8.00 per 100; \$75.00 per 1,000

- Baby Rambler, Maman Cochet, Clothilde Soupert, Marie Van Houette, Etoile de Lyon, Meteor, Mine, Jules Grolez, Snowflake, Climbing Meteor, Beesde Brown, Isabella Sprunt, Coy. de Lyon, Perle des Jardins, Yellow Cochet, Kulaerla, White Cochet

HYBRID PERPETUALS

- Paul Neyron, Gen. Jack, Margot Churta, A. Hiesbach, Md. Chas. Wood, Mr. Jno. Lubig, Vick's Cuplice, Cleo

100 varieties 2 1/2 inch. JOHN A. DOYLE, Springfield, O.

Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

NEW ROSE MY MARYLAND

I am booking orders now for this new rose. It is a beautiful salmon pink with long buds, easy and strong grower, makes no blind wood, has averaged 22 flowers to a plant since the first of October, has long stiff stems. Some of the largest rose growers who have seen it have bought from one to three thousand plants.

Price: 2 and 2 1/2 in. pots, \$5.00 per doz., \$25.00 per 100, \$200.00 per 1000.

Stock limited.

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Sphagnum Moss and Cedar Poles

Moss, 5 barrel bale, \$1.25; 2 bales, \$2.25; 5 bales, \$5.00; 10 bales, \$9.50. Poles, 2 in. bott, 8 ft. long, \$16.00 per 1000; 2 1/2 in. bott, 10 to 12 feet long, \$22.50 1000; 1 1/4 in. bott, 5 to 7 ft. long, \$10.00.

H. R. AKERS, Chatsworth, N. J.

NURSERY STOCK for Florists' Trade

Fruit and Shade Trees, Evergreens, Shrubs, Roses, etc. Specimen Tree Box. Pyramidal Standard and Bush Form.

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Specimen Evergreens

SUITABLE FOR TUBS AND VASES HEMLOCK, WHITE PINE, RETINOSPORAS, A. VITAE, etc.

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NEW BABY DOROTHY ROSE

The greatest pot rose for florists extant. A superb forcing variety. We have proved it. Color a deep pink. Price, \$3.50 per 10; \$30.00 per 100.

WHITE BABY RAMBLER (Catherine Zeimet), with double white perfect flowers; fragrant; a good force, \$3.50 per 10; \$30.00 per 100.

PINK BABY RAMBLER (Anny Muller), a perfect bedding rose; as such there is nothing to equal it. Its color is charming. \$3.00 per 10; \$25.00 per 100. Above all in field-grown plants.

JOHN CHARLTON & SONS, University Ave. Nurseries, Rochester, N. Y.

5000 EVERGREENS Retinispora Filifera and Aurea, 3-5 in. 5c. White Pine and Hemlock 5 to 7 in. 2c.; 10-12 in. 4c.

2000 WILLOW-Laurel Leaved and Colden, 4-5 ft. 9c.; 6-8 ft. 18c.

2000 PRIVET-Ibota, 5-8 in. 3c.; 12-18 in. 7c.

3000 BERBERIS-Thunbergii and Vulgaris, 4-8 in. 2c.; 12-20 in. 4c. Fine, clean stock well rooted. Write for thousand rates, as our room is limited and we must sell.

THE PIERCE NURSERIES - Beverly Farms, Mass.

A. Van Leeuwen, Jr.

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Send your Price List and Quotations of what you want to sell to us. We are Buylog.

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Send to THE MOON Company For Trees, Shrubs, Vines, and Small Fruits. Descriptive Illustrated Catalogue Free. THE WM. H. MOON CO., Morrisville, Pa.

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis and H. P. Roses in the best sorts.

PRICES MODERATE

Everything goes

to prove that our own root, summer grown, winter rested ROSES are the best for florist and nurseryman. 400 leading sorts.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD OHIO

Grafted Roses

\$12.00 per 100; \$100 per 1000.

If you can furnish the scions, we can quote you lower prices in any quantity you wish.

Edward J. Taylor, Greens Farms, Conn.

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Hollandia Boskoop, Holland Nurseries Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies, Pot Grown Plants for Forcing RHODODENDRONS, H. P. ROSES, Etc. Catalogue free on demand

LEESLEY BROTHERS NURSERIES

A complete line of Nursery Stock. Shrubs a specialty.

Nurseries, Peterson & North 40th Avenues Chicago, Ill.

CALIFORNIA PRIVET

Strong one-year plants, 18 to 24 inches, branched, \$2.00 per 100; \$15.00 per 1000. 12 to 20 inches, strong, \$1.50 per 100; \$10.00 per 1000. Two-year all sold.

ASPARAGUS ROOTS Palmetto, Conover's Colossal and Giant Argenteufol, extra strong, 2-year, 75c. per 100; \$4.00 per 1000. Strong 2-year, 75c. per 100; \$3.00 per 1000. All tied in 25s. Address,

CHARLES BLACK, Hightstown, N.J.

20,000 Privets

Two year old, strong growing, 3 1/2 to 4 feet high, cut back once, \$25.00 per 1000. Cash.

M. H. KRUSCHKA, - ASBURY PARK, N. J.

NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSERYMEN.

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

Magnolias From Seed.

The failure to get magnolia seeds to grow, which is reported by so many nurserymen and florists, results from improper treatment of the seeds by them or by those who collect the seeds. It is sometimes the result of collectors picking the pods before they are ripe; then there may be some error in cleaning the seeds. Or it may be that after gathering the seeds are allowed to become too dry before they are sown. With purchased seeds there is something wrong often, as is proved by such seeds failing to grow when some of the same kind of magnolia gathered from home collected seeds grow very well. As magnolia seeds are purchased they are usually dried with pulp on, just as they come from the tree. If kept in a dry place so that mould does not start, such seeds will keep good for two or three months, at least. But it is better to get the pulp off very soon after the seeds are gathered. Some place them in a heap, pouring water over them to rot the pulp, but this is not a good way, as it encourages fungus, which is very apt to destroy the seeds. It is much better to get sifted sand and mix the seeds with this, in a box, the sand to be damp, so that the pulp will soften. In a week or two the seeds can be washed free of sand and pulp, and then if there is an opportunity to sow it outdoors this can be done at once. If frozen up outside, get more sifted sand and mix the clean seed with it again, and keep it in a cool place until the weather permits of sowing it outside.

It is not too late to prepare such seeds now. The writer had some Magnolia grandiflora seeds which he fixed in this way in January last, and which resulted in almost every seed growing. After preparing it as herein recommended the seed was sown in a pot, in a greenhouse, in March—a good way to sow all kinds of magnolia seeds when but a few are in question.

Seeds of the hybrid magnolias, Soulangiana, Linnei and others, are sometimes produced and these if sown will give seedlings which will not differ greatly from the parent plants. They may vary a little in the color of the flower and leaf. Many of the named ones that come from Europe are evidently of this class, and numbers are sold as Soulangiana which are seedlings from it. But hybrid magnolias do not seed freely, and their propagation has to be effected from layers rather than from seeds. Strong plants are cut down in Spring, to afford strong shoots for layering later on, in early Summer, and this gives strong plants for selling in two to three years.

Stocks for Cherries.

A correspondent in California writes to ask if any experiments have been made with the common wild cherry, *Cerasus serotina*, as a stock for budding common cherries on, and if so what have been the results. This cherry has been used as a stock, or tried as one, several times, but it is no good for the purpose. Although classed as a cherry it has not much affinity to garden cherries. None of the sorts that bear their flowers and fruit in slender racemes is of any use as a stock for the others.

Our nurserymen use the Mazzard cherry principally. This is the wild form from the cultivated garden forms of *Cerasus avium*, which are found wild along fence rows, where the seeds have been dropped by birds. The Mazzard makes a strong stock, giving a tree of large size in time.

The Mahaleb cherry is also used a great deal. It is a congenial stock for all the commercial sorts of cherries, but not being a large tree like the Mazzard it causes smaller and less tall trees than those worked on the Mazzard. Either of these would make a good stock for the correspondent, better by far than the wild serotina.

What we know as pie, or Morello cherries, are in another class, supposed to have originated from one of Europe called *Cerasus capriana*. The trees are hardy, perhaps more so than the Mazzard, hence its stocks are favorites in the colder States where other kinds of stocks suffer from the cold of Winter. In fact, the common sweet cherries are sometimes worked on this stock to advantage in States when the freezings are very severe.

Our California correspondent had better keep to the Mazzard stock and to the Mahaleb, for these, especially the former, have proved their worth across his State line in Oregon and Washington. The one he mentions, *C. serotina*, is of no use for stocks. It is a useful shade tree and a nice ornamental subject; further, it is a good timber tree, and experiments with it have proved it one of the hardiest of our wild trees. Foresters might

do worse than set out groves of this tree for its future value.

Variegated-Leaved Vitis.

A good vine to list for selling the coming Spring is the *Vitis heterophylla variegata*, a Japanese species, often found in catalogue lists under the name of variegated grape. Its appearance and growth are more allied to those of ampelopsis, as this is recognized in collections. But by whatever name called it is a good thing. A strong plant in good soil will make a growth of six to eight feet in a season. The leaves will be nicely variegated and to add to its attractiveness its leaf stalks and often the shoots themselves are of a light pink tint. The flowers make no display, being of a light green, as are those of all other species, but the berries that follow are of great beauty as they ripen, changing from green to pink and from pink to an indigo blue.

This vine is well used in large vases, its foliage

and it would pay no one to plant the tree for profit.

A nurseryman near Lancaster, Pa., started to raise seedlings from these Philadelphia trees a few years ago, thinking to gain a hardier race than common there by, as no doubt he would. But although this can be done, it takes so many years to accomplish it that as a matter of profit it would come to another generation. Trees change their character slowly.

It is quite likely that if proper efforts were made seedlings could be had from colder parts of Europe than ordinarily, which would prove harder than those now imported, and in this way its extension in our Northern States could be advanced.

Beauty of Retinisporas.

Landscape gardeners find the various species of retinisporas among the most useful of the evergreens their plantings call for. Pines, firs and spruces must be had, there are positions no other evergreens could fill as well. This is equally true of retinisporas. Their appearance and growth are unlike those of any other hardy evergreen, so that in a way they must be secured.

The kinds most often called for are obtusa, pisifera, plumosa and their golden varieties; but their dwarf forms are also in great demand.

To meet the tastes of customers the nurseryman has to grow some sheared and some allowed to grow naturally. As a rule, the latter kind are far more pleasing to look upon, but it is a case of filling orders and not of taste, therefore the sheared ones have to be provided as well as the others. But such a one as *R. squarrosa* needs no pruning, it only calls for the shortening in of some of its shoots that are far out of line of symmetry. Its growth is exceedingly close, and when sheared it becomes more dense than ever, so very thick in fact that the foliage, much of it, is smothered and killed; and this is why this one is so often disfigured by dead twigs. This disfigurement is not met with, or but rarely, on unpruned trees. These remarks apply to all retinisporas to some extent, but more particularly to *R. squarrosa*.

These evergreens are most useful for screening purposes, more so than Arbor vitas, having prettier foliage and a bushier growth. Like the Arbor vite they transplant very well, especially when care is taken to lift them with a ball of earth attached to the roots.

January is a good time to make cuttings of retinisporas. Taken from outdoor plants and made into lengths of four inches, they nearly all root when placed in sand, in boxes, in a warm greenhouse. When Spring comes they can be potted or transplanted into frames for a year. They are rather small to be set out in nursery rows until a year has passed.

JOSEPH MEEHAN.



Retinispora Obtusa Nana Gracilis

Photo by John F. Johnston

blending well with such other plants as are employed for that purpose, and its habit of growth suiting the position.

If a plant can be secured in a pot and it is placed in a greenhouse where an early growth is made, its young shoots afford cuttings which root freely. Green wood cuttings can be had from outdoor plants in Summer, or hard wood can be made into cuttings in Winter and these planted outdoors in early Spring.

Seedling English Walnuts.

Among the many industries in the line of fruit growing now receiving attention inquiries are being made as to the profitableness of attempting a grove of English walnuts. Such an inquiry comes to us from New York State. This walnut is quite hardy in Southern Pennsylvania, and is found in isolated cases growing well in New York State. But it is the same with this as with all fruit and other trees, viz., that when they approach the boundary line of their hardiness they do not thrive as well as they do when in more congenial climes; and this suggests the inadvisability of attempting a grove of them under such conditions. In the neighborhood of Philadelphia there are quite a number of these walnut trees, quite hardy and bearing good crops of nuts every year. But with the ships of all nations coming to the city's wharves this walnut is to be had easily at all times from the Mediterranean coun-

NEBRASKA NURSERYMEN WANT RAILROAD RATES CHANGED. On January 3, 1908, at Lincoln, Neb., nurserymen Peter Youngers of Geneva, W. A. Harrison of York and Harvey Marshall of Arlington, obtained a hearing from the state railway commission on a protest. The commission promised to take up the matter with the railroads and try to secure a satisfactory settlement by correspondence. The protest involved the following points:

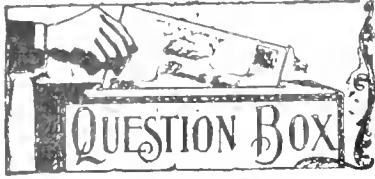
First. We respectfully request that a 20 per cent. reduction be made in joint rates where goods are shipped over two or more lines, the same as now in effect in the State of Iowa.

Second. We request that the following items on page 118, at No. 50, (orange seed, worth about \$3.50 per bushel, now in first class, should be placed in third class, along with alfalfa and seeds not otherwise specified, (see No. 50 on Page 118.)

Third. On page 96, Nos. 49, 50 and 51, places buckeyes and butternuts, worth about \$1 per one hundred pounds, and walnuts, worth about 60 cents per one hundred pounds, as second class, which should read fourth class, the same as peach stones. (Page 113, No. 57.)

We further request that your honorable body eliminate the words "or in No. 55 on page 95 "invoice value, not exceeding \$5 per one hundred pounds" and items No. 25 to 45 inclusive, on page 96, which is eliminated by the railroads in their official classification.

THE FLORISTS' EXCHANGE



Flower for Name.—H. H., New Jersey. —The name of the flower is Impatiens Sultanii.

(10) **Stag Horn Fern.**—What is the botanical name of the stag horn fern? A. READER.

—Platycerium; there are several varieties.

(11) **Red Spider on Carnations.**—I would be glad to know the best way to destroy red spider on carnations. I notice in your issue of December 21 J. F. M. is asking for advice for thrips on carnations. I thought he might have made a mistake. Has he thrips or red spider? G. G.

New York.
—The best remedy for red spider is a good strong force of water direct from the hose pipe, applied on all favorable occasions. The ravages of thrips are easily distinguished from those of red spider. Thrips leave white spots on the leaves by sucking out the juices; red spider leaves the foliage brown and dry, and with a tendency to curl under at the edges of the leaves.

(12) **Trouble with Plants in Store Window.**—We send sample of fern leaves cut from a batch of plants in our store window, where the temperature is about 60 to 70 degrees. The plants are kept moderately wet. We have a variety of stock in the same window, but none of it is affected as those sent. Can you give us a reason or remedy? We cannot understand why a few plants are affected in a batch of fifty or more. A. A. H.

New York.
—There are few ferns that make satisfactory window plants for a retail store, where the temperature is so variable as in this instance. Keep the temperature at about 60 degrees all the time and the plants carefully watered and both the nephrolepis and pteris will keep for a number of days without being injured in any way.

(13) **Rose Leaves Affected by Gas.**—We send you sample of rose leaves, and would like to have you tell us what is the matter with them. As soon as the rose bushes make new leaves, they wither and die, like the sample enclosed. We grow Bride and Bridesmaid together. Are they affected by gas, or is the soil too wet? Did smoking the house injure them, or red spider? We keep the house at 60 degrees, and it is near the boiler. SUBSCRIBERS.

—The rose leaves reached me in a rather dry condition, but from their appearance I should say the reason they drop is that gas from the boiler pit has reached them. The only remedy is to prevent the gas from entering the greenhouse. If the plants had been kept too wet the foliage would have much the same appearance, but would not drop off so readily. In either case allow the bench to get fairly dry, give a light coating of lime (air slacked), scratch it in, then water thoroughly, after which allow the bench to dry out again before giving more water. Syringe well on clear days, being careful not to get too much water on the soil. As the days are getting longer the plants, if not too far gone, should soon recover. PENN.

(14) **Shipping Boxes for Sweet Peas, etc.** I wish to make some boxes for shipping asters, sweet peas, etc., to market. Kindly give me size of box for 100 blooms, four to pack, etc., to reach the market in good condition. Can reach market in about twelve hours. New York. L. L. C.

The boxes to hold 100 sweet peas should be 20x5x3 inches. These flowers, when twenty-five in a bunch, and damp sphagnum moss put over the stems, will travel over 1000 miles safely. I do not grow asters, but think a box 24x10x5 inches will hold one hundred of the largest flowers. To ship them twelve hours distant, they should be covered with damp sphagnum moss to keep them fresh. A. C. Z.

(15) **Cockroaches.** I am herewith enclosing a bug which can be found by

FERNS LATANIAS

MY SPECIALTY

150,000 assorted ferns for jardinières, excellent stock, in 15 of the best market varieties, including Cyrtomium Fatatum, Aspidium Tsusemense, Pteris Wimsettii and Mnyli, in good proportion, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000; 600 at 1000 rate.

CENTER PLANTS (Exact Size)

Kentia Belmoreana, 2 1/4 in., \$1.30 per doz., \$10.00 per 100.
Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Cucullatum, fine stock, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Farleyense, 4 in., \$4.76 per doz., \$35.00 per 100; 6 in., \$8.60 per doz., \$65.00 per 100, \$12.00 per doz.
Adiantum Rholophyllum, 4 in., \$2.60 per doz., \$20.00 per 100; 5 in., \$8.50 per doz., \$40.00 per 100.
Adiantum Graecillum, 2 1/4 in., \$3.60 per 100, \$30.00 per 1000.
Adiantum Regina, 4 in., \$3.00 per doz., \$22.00 per 100; 5 in., \$6.00 per doz., \$45.00 per 100.
Cibotium Schiedel, 4 in., \$3.50 per doz., \$25.00 per 100.
Nephrolepis Scottii, 6 in., \$7.00 per doz., \$60.00 per 100; 8 in., \$16.00 per doz., worth the double.
Elegantissima and Pieroni, 5 in., \$6.50 per doz.
Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, Short Hills, N. J.

Bushy Ferns

Unusually fine stock of the Holly Fern (Cyrtomium fatatum), Pteris cretica albo, Pteris Wimsettii etc. 3 in. pots, 6c.; 2 in. pots, 3c. We have never had better plants and will give you very liberal count on January orders.

Cibotium Schiedel, 3 in. pots for growing on, 20c.
ASPARAGUS Plumosus, extra strong 2 in. stock but with some of the foliage slightly disfigured. (Give them a small shift and they will make fine plants) \$2.00 per 100.
PRIMULA Obconica Grand. In full bloom. 3 in. pots, 5c.; 1/2 in. pots, 6c.; 4 in. pots, 8c.

R. G. HANFORD, NORWALK, CONN.

FERNS For Jardinières

Best varieties, strong, healthy plants from 2 1/4-inch pots, \$3.00 per 100; \$25.00 per 1000, 600 at 1000 rate. 2-inch, \$6.00 per 100.
CIBOTIUM Schiedel, 6-in. pots, \$1.00 each. Nephrolepis Scottii, 7-in. 75c. and \$1.00 each; 9-in. \$1.50 and \$2.00 each.
FRANK N. ESKESEN, Main Street, Madison, N. J.

FERNS

BOSTON per 100, \$10.00 } Fine plants.
SCOTTII per 100, 10.00 }
WHITMANI FERNs, fine bushy plants, 5 inch, \$6.00 per dozen.

PAUL J. BURGEVIN, Port Chester, N. Y.

FERNs, FERNs, FERNs

Fine stock of assorted ferns in best market varieties from 2 1/4 in. pots, at \$3.00 per 100 plants, or \$25.00 per 1000.
Cibotium Schiedel from 4 in. pots, at \$30.00 per 100 plants.

THOMAS P. CHRISTENSEN, Short Hills, N. J.

FERNs For Dishes

Fine strong plants from 2 1/2 in. pots, all leading varieties, \$3.00 per 100, \$25.00 per 1000. Cash with order.

EMIL LEULY, Summit Ave., West Hoboken, N. J.

the hundreds on my palms, roses and carnations in the greenhouses and which are ruining the plants. Will you kindly inform me of the name of same and what I can do to get rid of it? New York. J. M. J.

—The bug sent is the common cockroach found in dwelling houses; we would advise an application of Slug Shot to eradicate the pest.

Fine strong plants, 2 in., \$3.00 per 100, \$26.00 per 1000; 3 in., \$6.00 per 100, \$50.00 per 1000; 4 in., \$16.00 per 100.
KENTIAS, Belmoreana and Forsterhann, 4 in. 25c., 36c.; 6 in. 60c., 76c.; 6 in. \$1.25, \$1.60; large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.
PANDANUS Urtilis, strong 2 in. \$3.60 per 100; \$30.00 per 1000.
AZALEAS INDICA, fine plants, 16c. to \$2.00 each.

FERNs

Boston and Pieroni, 4 in. 15c., 6 in. 25c., 6 in. 50c., 7 in. 76c.
Whitmani, 4 in. 25c., 5 in. 60c., 6 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.60, \$3.00, \$3.60.
Small FERNs for dishes in A1 shape, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, Mount Troy, ALLEGHENY, PA.

Araucarias

Nice plants from 5 in. pots—
4 to 5 Tiers
60c. each; \$5.50 per dozen.
THE CONARD & JONES CO.
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CARNATIONS and Novelties in DECORATIVE PLANTS
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Boston, Scottii, 4 in. 15c.; 6 in. 40c. Some extra heavy Scottii at 50c. each. All pot grown.
Asparagus Plumosus, 2 1/2 in., \$3.50 per 100.
KENTIA Belmoreana, 4 in., \$25.00 per 100.
Standard varieties of carnation cuttings at popular prices.
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NEPHROLEPIS

WHITMANI, 2 1/2 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.
FERNs, Boston, 2 1/2 in. \$3.00 per 100.
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We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices. Write us for information as to kinds and prices.

We have just received the following orchids: Oncidium Tigrinum, O. Sarcodeus, O. Forbesii, Sophronitis grandiflora and cocinena.
LAGER & HURRELL, Summit, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.
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and
235 Broadway, Room 1, New York City.

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We shall receive this Spring large quantities of imported ORCHIDS, namely: Cattleyas, Dendrobiums, Oncidiums, Laelias, Vandas, etc. Our facilities for handling large consignments are second to none. We have four collectors, including our Mr. Carrillo, who collect exclusively for us. Our quality and price are too well known to need further comment—a trial order will prove it.
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In Sheath, Bud and Flower.
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Splendens Giganteum Hybrids
Extra well grown plants all colors in bud and bloom from 4 in pots \$15.00; from 5 in. pots \$30.00 per 100.
Primula Obconica
The celebrated Ronsdorfer & Lamans Hybrids in bud and bloom from 3 in. pots \$5.00; from 4 in. pots \$10.00; from 5 in. pots \$15.00 per 100.
Cinerarias Hybrida Grandiflora
From 2 1/2 in. pots \$2.50; from 3 in. pots \$4.00 per 100.
Asparagus Plumosus Nanus
Well-grown plants from 2 1/2 in. pots \$3.00; from 3 in. pots \$5.00 per 100.
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Standard varieties 2-3 eye tubers \$2.00 per 100, \$17.50 per 1000.
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Standard varieties cool grown stock from 2 1/2 in. pots, \$3.00 per 100, \$25.00 per 1000.
SATISFACTION GUARANTEED
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2 1/2 pot \$2.00 per 100
Pansy Plants 50c. per 100, \$2.50 per 1000
Canna C. HENDERSON dry bulbs, \$2.00 per 100
Geraniums 10 var.; 2 1/2 pot, \$3.00 per 100, \$25.00 per 1000
—CASH—
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Rooted cuttings of all soft-wooded plants are in demand at this time by florists who do not propagate their own stock. Growers making a specialty of the rooted cutting business will find an advertisement placed in THE FLORISTS' EXCHANGE a very profitable investment.

LIST OF ADVERTISERS

Table listing various florists and their addresses, including Akers H. R., Allen J. H., Amherst J., and many others.

Table listing florists and their addresses, including Weber C. S. & Co., White E. F. & Co., and others.

INDEX TO STOCK ADVERTISED

Table listing various types of plants and seeds, such as Abutilum, Ageratum, and others, with corresponding page numbers.

A Bulletin on Dodder.

PODDER IN RELATION TO FARM SEED. This is the subject dealt with by T. H. Hillman, Assistant Botanist, Seed Laboratory, Bureau of Plant Industry, Department of Agriculture, Washington, D. C., in Farmers' Bulletin 306, just issued.

Dr. Galloway, chief of the Bureau, says in his letter of transmittal that "dodder, on account of its parasitic nature, is the most dangerous weed in alfalfa and clover fields, and also often infests flax. On account of the large quantity of low grade seed containing dodder imported from Europe and the prevalence of dodder in the alfalfa growing regions of the West, its seed is becoming more and more common in commercial seeds. In this paper an attempt has been made to point out the dangerous character of the various kinds of dodder and to give practical suggestions for the eradication of dodder from infested areas."

Mr. Hillman has produced a very instructive document. As showing the sentiment regarding this pest in Europe, he says: "Reports upon seed tests at the European seed-control stations usually make particular reference to the presence or absence of dodder. As a result of its unpopularity seed containing it is practically unsalable in the domestic trade of most of the European countries. It is owing to this adverse sentiment in Europe regarding dodder-infested seed, and the absence in this country of a national law prohibiting the importation and sale of such seed, that so much dodder is annually distributed throughout the United States."

After describing the various kinds of dodder, also those infesting farm seed, and telling of the preference of the dodders for certain host plants, also of the kinds of seeds infested with the parasite, which in this country are restricted to seeds of flax, the red clovers, alsike clover, white clover and alfalfa, to which may be added yellow trefoil, which "as an adulterant frequently used may introduce dodder to otherwise dodder-free clover or alfalfa, the bulletin discusses the relation of dodder to the seed trade, as follows:

"The most direct relation between dodder seed and the business of seed buying and selling is based upon the regions of growth of the dodder and the size of its seed as compared with that of the commercial seeds handled. The kind of dodder is largely influenced by the place of seed production, while the size of the dodder seed, which is dependent chiefly on the kind, has much to do with the result of efforts at cleaning and the consequent condition of the seed when it reaches the consumer. Large quantities of the flax, clover, and alfalfa seeds on the American market are imported, often from regions where certain kinds of dodder are abundant.

"The regions of seed production are then given. With regard to flax seed little is to be said of the relation of the place of production and flax dodder. This dodder is so widely prevalent in flax regions that its presence in flax seed is always possible.

"Red clover seed is imported largely from Germany and to some extent from France, England and Canada. Chilean red clover seed grown in South America is being imported in considerable quantity. There is also an active domestic traffic in red clover.

"Alsike clover seed when imported comes chiefly from Ontario, very little being imported from Europe. It is also produced in the northern United States. White clover is often imported from Europe, but is also produced in this country.

"Crimson clover, which figures largely in the import as well as the domestic trade, bears practically no relation to dodder dissemination when not adulterated, owing to its early seedling period which precedes that of the dodders by a month or more. Dodder seed, therefore, practically never appears in pure crimson clover seed.

"Alfalfa seed is imported from Germany, southern France, Italy, Turkey and Argentina. Much of the seed used in this country is produced in the Western States, particularly Utah, Wyoming and Colorado. Seed reaching the consumer may be freed from any one of the regions just mentioned, or if mixing the seed is practiced by the dealer, more than one region of production may be represented by the seed purchased.

Contents

Table listing various articles and their page numbers, including American Breeders' Association, American Rose Society, and others.

Chilean dodder is common in red clover and alfalfa seeds from Chile and Argentina. It is not known that its seeds occur in domestic grown seed.

Illustrations showing most of the different dodders are presented; and methods of cleaning the seeds suggested. It is doubtful if alsike and white clovers can be cleaned of dodder, although the amount of clover dodder can be reduced somewhat by the use of proper sieves, which, however, necessitate the loss of considerable clover seed. Red clover and alfalfa seeds can be cleaned of clover dodder and small-seeded alfalfa dodder by the use of a sieve having 20 meshes to the linear inch and tangle of wire ranging from No. 20 to No. 34 of Washburn & Moen gauge. It is believed that the most effective work will result from using first a No. 34 sieve and then passing the siftings thus obtained over a sieve of No. 50 wire.

"With respect to the other kinds of dodder discussed in the bulletin and found in clover and alfalfa seeds, it may be said that none of the sieves mentioned will remove all the seed, even with repeated sifting. Much of the dodder seed will be removed, especially if a sieve having No. 24 wire is used. The farm owners of wholly grown, these large-seeded kinds, as flax, may..."

"Deep sowing of the crop appears to be the most promising course for the farmer to follow in using seed known to contain seeds of the large-seeded dodders. By this means many seeds of dodder seeds will be buried so deep that their plants, reaching the surface, will be killed by frost. Sifting the seed, by which it is possible of the dodder is removed, is therefore, most advisable. Flax dodder or be removed from flax seed by very little loss by the use of a sieve of 14 meshes to the linear inch and tangle of No. 29 wire, Washburn & Moen gauge.

"It often happens that seed is received by an unscrupulous dodder capitalist, who purports to be genuine with the usual 'if you can't beat 'em, join 'em' motto."

"The bulletin closes with chapters on detecting the dodder plant in the field and destroying the plants by burning etc.

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THE WEEK'S WORK

Timme's Timely Teachings.

Order Now!

This is the ripening season of the catalogue crop, a bounteous harvest by no means to be valued lightly because it drops into our laps without the least exertion on our part. If half the people who receive one or more of these business letters with every mail only knew what an amount of expense and painstaking labor is required in the compilation and making up of the up-to-date kind of catalogue, these same people would linger them with more respect, probably be highly flattered by being placed in line with a live firm's best patrons. The great majority of hard working florists appreciate the value of a complete and accurately gotten up catalogue, many of them waiting its arrival with some degree of anxiety. Any one of these, the enterprising retail grower in particular, never considers his preparations or his stock for a coming season's business so fully complete as he would wish. There is always yet something in the seed, bulb, or plant line, something not to be found in the advertisements of his paper, that must be obtained and when this is the case the list of all that is needed is made up from the catalogue of a reliable firm, and the sooner this is done and the order forwarded the better it is.

A Suggestion.

In looking over what is offered in our catalogues in seeds and plants it is found that many of the varieties and sub-varieties listed are such that no true gardener or up-to-date florist would ever touch, no matter how low the price. Some of the things thus needlessly encumbering an already long enough list, have outlived their value long ago, are not worth growing any more, a fact not denied by anybody. Why not stop handling seeds of avowedly worthless things? Why not cut them out forever and thereby effect the abridgement of lists truly bewildering in their pedantic super-completeness? It is no joke for the lay gardener or newly initiated florist to grope his way through a perplexing jungle of sub-varieties under the belief that all are good or they would not be there, and then yield to persuasion of low price and select such as are found eventually to cool his ardor and upset his ideas as to floriculture advancement told about in his catalogue. The great improvement over old varieties is undeniably there, but it does not require a long train of these old ones to be constantly trailed along to prove it. Some few of the seed firms seem already to have come to the same conclusion and deserve thanks for having at least confined themselves in their trade lists to what are known to be the best varieties only. To make up an order from these is rather a pleasant than a perplexing task. And, after all, why should the dealers in bulbs, seeds, plants and rooted cuttings be exempt from weeding out and discarding worthless stock? We growers have to do it right along.

Novelties.

To every progressive florist the list of new and rare things in the catalogue is always of greatest interest. In selecting from this list, though it is never over-long, his trustworthy adviser, experience, is of little avail, and his chances for making a hit are not very bright. The descriptions are those of the originators and introducers, and if anything chosen proves different from what it is represented to be, the sender of the catalogue is not to blame. This leaves us at sea without our rudder, depending for chance direction entirely on wind. A new plant or a new variety is not always a good one, it must be remembered, and the originator, as is well known, is only too apt to see more in it than anybody else would. A novelty which has nothing to recommend it but its newness is of doubtful value, but there are plenty of such sent out every year, and somehow it seems it is more difficult to miss these than to hit an exceedingly good one occasionally. Then too, we must not overlook the fact that a novelty may actually have proved an excellent acquisition where it originated, may behave splendidly and develop all those fine qualities it was claimed to possess in one quarter of the globe, while in another it refuses to do so. On the other hand,

there are cases, though not so numerous, where doubtful mind and honest intent on the part of the originator caused him to use the utmost moderation in the description of his novelty, which, after being taken in hand by some good grower in another locality, turned out to be a splendid thing. To rely, in choosing a new variety or plant, on an outcome of this kind by queer twist of fate is not advisable. To sum up, there seems to be no other way in finding out what a novelty is to be like than to grow it on one's own place. The retail grower, whose best customers every Spring open the plant season with the question, "What have you new in the plant line this year?" must be prepared for this sort of trade. If he attempts to do too much in this direction he will likely enjoy it less than by buying and trying a few of the most promising and desirable novelties every Spring. The direct and ultimate gain in business and pleasure is always greater than the occasional disappointment or actual expense. It is well to subject everything new to a thorough test first, before placing it on sale, and never to condemn a new thing until it is thoroughly tested.

Now to be Started.

The seeds of most kinds of bedding stock handled in quantity by florists will grow into finer plants for the purpose if sown later than this; the fastest growing kinds need not be sown before the beginning or middle of March. But there are some, if to be included in the stock for Spring sales and to be in presentable condition at that time, that must now be started. Such are the varieties of Begonia semperflorens, the trailing and upright kinds of annual lobelias, all kinds of salvias, torenias, centaureas, tuberosus begonias, Vinca rosea, impatiens, snapdragons for bedding and some hardy herbaceous species, that, if sown now, will flower the first season.

It is not too soon to start a couple of boxes of verbenas, another sowing to follow in two or three weeks from now; nor is it too late for the last sowing of myosotis, pansies or daisies, which will grow into good stock for late sales. Four-inch potted plants, shapely bushes in full bloom of single and double petunias, Marguerite carnations, snapdragons, salvia Bonfire, Phlox nana compacta, mignonette and similar plants always sell well throughout Spring and it pays to raise some of each for the trade in moderately priced greenhouse plants, since they yield a higher profit with less effort than the regular greenhouse stock. Of all these to be right in good season the seeds must be started now. Though some of them may be grown into fairly good stock from cuttings, it will be found that seedlings, even if somewhat later in coming into bloom, invariably make the finest plants for this line of trade.

Seeds of glloxinia, primula, smilax, asparagus, caninus, Musa ensete, Dracena indivisa, grevillea, Astilbe Davidii, Phlox decussata, Clematis paniculata, Stokesia cyana and Ampelopsis Veitchii should also now be sown in order to obtain strong plants and to have the first transplanting over with before the busiest time in the handling of young stock begins. Where a suitable bench for the raising of sweet peas can be spared a sowing now—right into the soil of the bench—would result in a well paying crop of flowers at a time when sweet peas are never in over-abundance.

Boxes and Soil.

The best plan, where much of the stock must be raised from seeds, is to select for this particular purpose a bench with bottom heat, spread over the bottom an inch of coarse sand, soil or ashes and have the seed boxes of a size to fit the width of the bench, leaving a space at each end of the box for convenience in lifting out any one from the rest of them. A narrow bench, just affording room for boxes two feet long by fifteen inches wide, placed side by side, their ends not entirely touching either side of the bench, will answer the purpose best. Such a bench need not be a well-lighted one if the boxes are removed to a lighter and also better aired place as soon as the seeds are up, which is necessary in such a case, but a thing savoring of waste-fulness and therefore to be avoided by choosing as light a bench in the first place and one as near to the glass as possible. Much time and work in the handling of boxes are thus saved and sometimes also the contents of a box, all of which counts when several scores of boxes at a time constantly need watching. The boxes in which the seeds are

Stock You Will Need

- MARGUERITE, QUEEN ALEXANDRA. \$3.00 per 100.
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 Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100. Cash with order.
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sown are a trifle over two inches deep; those for the seedlings, after being prick-

ed off, are an inch deeper. These will do for nearly all kinds of seeds with few exceptions, when earthenware pans are preferred. As to soil, we use well-decomposed soil, prepared as is all the rest of potting soil in the Summer by being broken up with a shovel, run through a sieve for the sowing of seeds and the potting into small pots and intermixed to about one-fourth of the entire mass with thoroughly rotted and sifted manure. This mixture is thrown over once more before hard freezing sets in and brought into the potting shed as needed, being used as it is after it has lost its chill for nearly everything requiring sifted soil, forming the main bulk should an admixture of more sand, manure, bone meal or leaf mold be deemed of advantage for the few things that are an exception in the general class of plants that all need but one kind of soil in starting. From the three-inch size up it is better not to sift potting soil, and a layer of unsifted soil in the seed box, on which to spread the finer, will be found to serve the good purpose of keeping the soil pure and sweet by its aid in draining off surplus moisture. Stake soil, or that already used once or taken from weedy gardens, is not fit for the starting of seeds, otherwise there is nothing arbitrary as respects the kind or composition of the soil used for the purpose, and any good mixture, whether a little more enriched or sandy or containing less, may confidently be used in the filling of boxes in which seeds of all the more common kinds are to be started. Neither is the size of the boxes of importance, especially not when but a few kinds of stock are raised from seeds on a place where this feature forms merely a by-play of the business.

Care of Seeds and Seedlings.

When seeds germinate readily and uniformly it is to be regarded a testimonial to the seed firm's rectitude rather than to the skill of the grower. All good seeds, if conditions of moisture and temperature are right, will sprout anywhere, however placed. But when these sprouts are destined to develop into good plants more is required for the attainment of success with seeds. If the firming of soil in the potting of plants is considered essential for the promotion of a vigorous normal growth, it is a point of still greater importance in the starting of seeds. After the boxes are filled with the soil and this is leveled so as to form an even, smooth surface, we sow the seed, care being had to scatter it evenly and not too thickly and then with a piece of smooth wood, heavy and expressly made for the purpose, we press all down quite firmly, so that after this is done the surface is again perfectly even and smooth but over half an inch lower than before. Now the box is watered, and if this is done with any sort of care not a grain of even the smallest kind of seeds will be displaced, pressed into the soil as it is, by the stream issuing from the rose of a properly made watering can. This is our way of doing, a way that for a quarter of a century never missed success in the raising of seedlings from good seeds, and here dwell upon at length in describing it, because all the many failures with seeds are owing more to faultiness in doing things right at the outset, than to bad seeds, wrong kind of soil or after treatment.

Any kind of seeds set on their way in this manner will sprout in due season and grow into sturdy plants without a covering of soil, though for a protection against frequent and rapid drying out of the more robust and fast advancing largekerneled kinds we cover these with a thin layer of soil or press each seed of the more valuable kinds deeper into the box. For a top covering, after the boxes are placed side by side in the bench, paper answers as well as anything, is to be preferred, in fact, to panes of glass or boards for many kinds of seeds, while some few others will start best in a sash-closed propagating case, those requiring a higher degree of heat and atmospheric moisture than the common run of stock so raised. A temperature of from 50 to 60 degrees, with bottom heat a few degrees higher and reasonably moist soil right along, will cause all of the seeds to germinate promptly. As soon as there is evidence of this above ground, the paper must be removed, some very few kinds needing a thin shading after this for a few days as a protection against bright sunshine. While, so far, all of them fared alike as to treatment—or nearly

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alike from now on, if there is any difference in the course to be followed in exceptional cases, as regards degree of heat, light and moisture at present, or need of early transplanting, kind and condition of soil to be used in their later stages of growth, the methods of culture must vary according to the requirements of the respective kinds. Of this there will probably be more to say at the proper time. What is of most importance to every grower just now is not to be behind time in replenishing his stock, to order early what may be needed in plants, rooted cuttings, Summer-flowering bulbs and seeds, to select wisely and to start rightly, so that much in the rearing of young stock may be accomplished in good season and proper manner, without the least hindrance to careful attention to the needs of older stock, in particular that now fairly under way for Easter. FRID. W. TIMME.

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BOSTON FERNS. Have about 2,500 of this variety, 8 in. pots, made up as big as a wash-tub, worth \$3.00, \$1.25 \$1.50 each; 7 in. pots, as large as a bushel basket, worth \$2.00, cut down to 75c. and \$1.00 each; 6 in. pots, very large, worth \$1.00, only 50c.; 5 1/2 in. pots, 35c. and 40c. each.

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ASPARGUS plumosus nanus, 3 in. pots, \$7.00 per 100; 4 in. \$10.00 per 100; all bushy plants.

HYDRANGEA OTAKSA, Now is the time to force Hydrangea Otaksa for Easter blooming. Remember only pot grown will form successful for Easter; we grow ours in pots in the summer and plant them in cold frames (grow inside); have about 500 to spare, 6 in. and 7 in. pots 25c., 35c., 50c. and 75c. each.

BEGONIA, new Improved Erfordi, 4 in., strong, 20c.; 5 in., 25c. each.

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uous advertising. For rates on Wants, etc., see column
for Classified Advertisements.

Rules of Nomenclature.

We talk glibly about rules of nomenclature, but are they really observed with any degree of conscientious effort by the nurseryman and florist? We all agree that rules are necessary to every phase of our social and industrial economy. Without customs, which usage molds into rules, and without laws for the guidance of the irresponsible and careless, confusion is a mild term for such conditions as would inevitably develop. This we all acknowledge. But in the matter of naming new varieties of fruits and flowering plants we are awful sinners.—The National Nurseryman.

Alas and alack that such an honest and truthful confession must be made! Worst of all, some of our national societies, making an effort to deal with nomenclature matters, do not appear to be able or efficient enough to cope with the situation. It seems to us this plant and fruit nomenclature question would be a good one for the Bureau of Plant Industry of the Department of Agriculture at Washington to take care of and put on a workable and reliable basis. The drawback, so far as florists' stock is concerned, is that there is no herbarium or collated records in the possession of the society endeavoring to act as a guide in nomenclature affairs, with the consequence that too much is left to the knowledge of the individual having the matter in charge, which may or may not be sufficiently adequate for the necessary purposes.

It is, of course, out of the question to expect anyone to be a "walking encyclopedia of horticulture," but the nomenclature subject is such a vital one that, for the benefit of all concerned, nothing but the most capable supervision should be accorded it, looking to safeguarding the interests of both the trade and the public.

Therefore we think that when the herbarium of florists' stock now forming by the Department of Agriculture, with the attendant descriptions of each subject cataloged, is completed and in good working condition, the Bureau of Plant Industry will, so far as these subjects are concerned, be fairly well equipped to handle all nomenclature matters of this kind. In fact, the Department might greatly benefit itself, as well as all others interested, by such record and supervision.

About this time of year, records our office almanac, many subscriptions fall due. The address slip on your paper will tell whether yours is included in that category. Don't fail to remit, if you would keep your file complete—something always advantageous.

The American Carnation Society's Meeting and Exhibition.

On Tuesday, Wednesday and Thursday, January 28, 29 and 30, 1908, the American Carnation Society will hold its seventeenth annual meeting and exhibition at Washington, D. C. These are always interesting and successful occasions, and the forthcoming event will, it is safe to say, measure well up to, if it does not excel, its predecessors in every particular. The preparations making by the local club and the officers of the American Carnation Society, both as regards the comfort and entertainment of the visitors and the other concomitants of such affairs, afford convincing ground for this assertion.

The sessions of the society and the exhibition will be held in one building—the Nation Rifles Hall, 618 G street, N. W.—the former on the second, the latter on the first floor.

In our last week's issue we published a very full summary of the prizes to be competed for, one of the best lists yet presented. The program of the meeting, including the papers to be read and the subjects to be discussed, also appears in that number (page 42). The topics to be treated upon are all of them of a most interesting and instructive character. The subjects of carnation breeding and hybridizing are to receive a full share of attention. The American Breeders' Association will assemble at Washington on the same dates as those upon which the Carnation Society meets, and we understand that the breeding of carnations will also form one of the themes to be discussed by that body. Thus will the subject be dealt with from a scientific as well as a practical point of view. It will therefore be seen that an intellectual feast of no mean order is in store for the carnationists at the Washington gathering.

Two other subjects of great interest, each one to be handled by a capable man, are: "What the Buyer of a New Carnation Should Expect From the Originator," by S. S. Skidelsky, Philadelphia, Pa.; and "What the Originator of a New Carnation Should Expect of the Buyer," by Willis N. Rudd, Morgan Park, Ill. From time immemorial the expectations of both the buyer and originator of new carnations have been the highest—sometimes beyond that—in each case, yet many times at variance with what each ultimately got; and to have a code of trade ethics tending to mutually fair treatment prescribed to be followed, lived up to and adhered to—cannot fail to be of service generally. Little good, of course, will proceed from the advice to be given, if the matters end with the last words of the essayists and those who may discuss their papers. However, let us all hope and pray that the seed to be sown will not fall on stony ground.

A departure from former schedules of the society has this year been made in the class (B) for 50 blooms. The present list provides, for the most part, for competition between specified varieties—the kinds now generally in cultivation—instead of by colors as formerly. This will admit of the pitting of the flowers of one variety against others of the same sort, tending to fairer competition, easier judging, and decisions that will better demonstrate the skill of the various growers as associated with the individual varieties exhibited and in competition. The plan should work well, and doubtless will be productive of general satisfaction.

The number of special prizes offered is a large and tempting one, and, taken with the general premiums, should bring out a host of competitors.

It may be regarded as supererogatory, yet we cannot help again referring to the progress of the American Carnation Society. A record of seventeen years of successful work as an organization, to say nothing of the resultant benefits which have accrued to every grower of and dealer in carnations in America from its efforts, which have developed this industry to an extent heretofore unknown, is something of which any society may well be proud. Beginning in a small way, organized as the outcome of what was then looked upon as a necessity, at first it needed but one day in which to put through the annual business affairs of the association; now three days are required for their full and complete adjustment. The conditions which called the American Carnation Society into being seventeen years ago are with us to-day, greatly modified, it is true, through its effective and efficient work, but the society is still as much of a necessity as it ever was. Through its persistency of endeavor, its just and judicial methods, its exhibitions, the helpful instruction it has imparted, it has been the means of elevating the flower it champions to a high standard of perfection, so much so that the new carnations that generally find a place on the list of cultivated kinds at the present time may be said to have undergone a most crucial test, when they finally receive the endorsement of the American Carnation Society. This condition must continue if still further advancement is to be made, and it is likely to do so, for no more earnest men, banded together for the development and improvement of a special flower, and holding together with a fixed purpose in view, exist today than the carnation growers of the United States.

Progress is their watchword, tireless endeavor the means through which their success has been and is achieved; and disappointment but proves a stimulus to renewed and increased activity. It must, indeed, be a source of great gratification to these men to know that their enthusiasm has become contagious, ramifying to all parts of the civilized world; and if "imitation is the sincerest form of flattery," then must they feel highly flattered, indeed, as they learn of societies similar to their own springing up in foreign countries in emulation of their excellent example, and in the work of which the improvement of American varieties of carnations plays a prominent part.

To return to the Washington meeting, we would strongly urge every man who grows and handles carnations to be present there; in no other or better way can he keep posted on the flower that enters so largely into his business and conduces so much to his own financial benefit—an inducement surely worth the time spent and expense incurred in accomplishing the journey.

Society of American Florists and Ornamental Horticulturists.

The following list of appointments has been made by the president of the S. A. F. O. H. W. N. RUDD,
Secretary.

For Entomologist—Professor Frederick L. Washburn,
University of Minn., Minneapolis, Minn.

For Botanist—Professor L. H. Pammel, Ames, Ia.

For Pathologist—Dr. B. M. Duggar, Columbia, Mo.

For Legislative Committee—Benjamin Hammond,
Fishkill-on-the-Hudson, N. Y.; L. B. Coddington, Mur-
ray Hill, N. J.; Wesley Greene, Des Moines, Ia.; E. A.
Moseley, Washington, D. C.; Patrick Welch, Boston,
Mass.

State Vice-Presidents.

Alabama—H. F. I. Davis, Mobile, Ala.
California—Sidney Clack, Menlo Park, Cal.
Colorado—Emil Glauber, Montclair, Col.
Connecticut—Alex. Cumming, 188 Hawthorn street,
Hartford, Conn.

District of Columbia—George H. Cooke, Connecti-
cut avenue and L street, Washington, D. C.

Florida—E. N. Reasoner, Oeeco, Fla.

Georgia—M. C. Pennock, Gainesville, Ga.

Illinois—J. F. Ammann, Edwardsville, Ill.

Fred Lautenschlager, 2561 North Forty-first street,
Court, Chicago, Ill.

Indiana—John Bertermann, 241 Massachusetts ave-
nue, Indianapolis, Ind.

Iowa—J. A. Kramer, Cedar Rapids, Ia.

Kansas—Oscar Roehr, 1425 Fillmore street, Topeka,
Kan.

Kentucky—A. R. Baumer, 644 Fourth avenue, Louis-
ville, Ky.

Louisiana—U. J. Virgin, 838 Canal street, New Or-
leans, La.

Maryland—R. A. Vincent, White Marsh, Md.

Massachusetts—F. E. Palmer, Brookline, Mass.

A. J. Loveless, Lenox, Mass.

Minnesota—C. N. Ruedlinger, 2924 Aldrich avenue,
Minneapolis, Minn.

Mississippi—S. W. Crowell, Rich, Miss.

Missouri—J. Steidle, Central, Mo.

W. L. Rock, 1116 Walnut street, Kansas City,
Mo.

Nebraska—Lewis Henderson, 1519 Farnum street,
Omaha, Neb.

New Hampshire—B. Chase, Derry, N. H.

New Jersey—A. Herrington, Madison, N. J.

New York—G. C. Perkins, Newark, N. Y.

J. Austin Shaw, Box 545, N. Y.

North Carolina—W. Rehder, Wilmington, N. C.

Ohio—E. G. Gillett, 113 East Third street, Cincin-
nati, O.

C. J. Graham, 2849 Euclid avenue, Cleveland, O.

Pennsylvania—E. J. Fancourt, 1612-18 Ludlow street,
Philadelphia, Pa.

T. P. Langhans, 504 Liberty Street, Philadelphia,
Pa.

Rhode Island—Carl Jurgens, Newport, R. I.

South Carolina—F. W. Wessels, Aiken, S. C.

South Dakota—E. C. Newbery, Mitchell, S. D.

Tennessee—C. L. Baum, Knoxville, Tenn.

Texas—E. H. R. Green, Dallas, Texas.

Virginia—J. J. Curran, Salem, Va.

West Virginia—C. P. Dudley, Parkersburg, W. Va.

Wisconsin—C. C. Pollworth, 54 City Hall square,
Milwaukee, Wis.

E. Amerpohl, 214 South Main street, Janesville,
Wis.

Ontario—T. W. Duggan, Brampton, Ont.

Manitoba—H. E. Philpott, Winnipeg, Man.

Commissioner Wieting of the New York State De-
partment of Agriculture in his annual report states
that during the year 490 nurseries in the State were
examined and certificates issued to 485, to the effect
that they were apparently free from San José scale
and other infectious and contagious diseases. In
these nurseries are growing over 80,000,000 trees
and plants, most of them subject to attack of San
José scale.

OUR READERS' VIEWS

Hardiness of *Nymphaea Chromatella*.

Editor Florists' Exchange:

Referring to your criticism in The Florists' Exchange of November 30, 1907, on Dr. Henry S. Conard's book "Water Lilies and How to Grow Them," which I have read with much interest, I beg leave to take exception to that portion of same wherein you state "This unfamiliarity with the nature and habits of some of the varieties the author specifies is also quite apparent. He states of *Nymphaea chromatella* (page 93): 'It is perfectly hardy, even in water so shallow that it must freeze to the bottom.' All who have cultivated the water lily in question know that a few degrees of frost will kill it; also that the roots grow well up above the soil, hence the danger to it from freezing. * * * I would state that I have grown *Nymphaea chromatella* and rosea in the same pond with sulphurea for the past ten years; have never given them any protection from the frost; this pond has a depth of only two feet, and during the winter months the water is frequently only twenty inches deep. The lilies are planted in boxes which brings the crown of the lily within ten inches of the top of the water, and ice has formed ten inches thick on this pond, which would make it rest on the crown of the lily; and none of the above lilies, and a number of others, have ever been affected in the least by the frost. One of our leading aquatic growers advertises in a catalogue this particular lily among the hardy plants.

M. HOMER,

Penna.

In reply to Mr. Homer's statement that *Nymphaea chromatella* and rosea (but what does Mr. Homer mean by rosea? There are many varieties named rosea) have lived in his pond for the past ten years without being injured by frost, and that ice has formed down to the crown of the lily, we do not doubt this statement; his conditions, however, must be different from those of other growers of *N. chromatella*; for it is a fact well known to growers of this lily that a few degrees of frost will kill the crowns that are above the surface of the soil. It is often the case that there are some small side crowns, or eyes, at the base of the main crown, down in the soil, and these protected in this way will grow and make plants after the death of the main crown. It is possible this will explain the difference between Mr. Homer's view and that of the writer, who still claims that *N. chromatella* will not stand to be frozen and therefore cannot be termed "perfectly hardy."

Analysis of Water by Experiment Stations.

Editor Florists' Exchange:

Some time ago we wrote you concerning an analysis of water which we would like to have performed. You recommended us to send our sample to the State Chemist at Geneva, N. Y., which we did, and we have a reply from Dr. W. H. Jordan, Director of the New York State Experiment Station, who informs us that they would not undertake the analysis of our sample.

Now will you kindly tell us what this department is for if not for those who most need its advice? Some time ago we saw the analyses published in your paper from a party in Ohio. Now, likewise, cannot we also, through your assistance, get our sample tested?

It is not for the sake of knowing the constituents of the water, but since using this deep well water our stock is suffering more or less, and we believe that there is something in this water which is detrimental to our stock, and we are most anxious to learn as to how to remedy the cause.

We will be more than pleased if you can get this analysis for us through the New York State Department of Agriculture. We pay a heavy State tax and for that reason we can expect something in return.

West Nyack, N. Y.

KRETSCHMAR BROS.

[We submitted a copy of the foregoing communication to Dr. Jordan, and subjoined in his reply, which is published for the guidance of subscribers generally.

The analyses to which our correspondents refer were sent here by a subscriber in Ohio, and were forwarded by us to the Department of Agriculture, Washington, D. C., for an opinion as to the injurious nature, or otherwise, of the water in the growing of certain plants; the answer to same having been kindly furnished by Professor Cameron of the Physical and Chemical Investigations, Bureau of Soils.

Under the circumstances, the Messrs. Kretschmar are advised to obtain an analysis of the water in question from a local chemist. It is evident that such work does not come within the scope of either the Department of Agriculture or the State Experiment Stations.—Ed. F. E.]

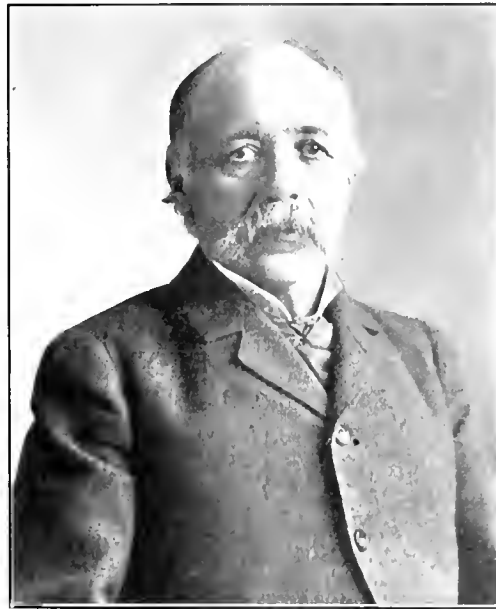
Dr. Jordan's Letter.

New York Agricultural Experiment Station,
Geneva, N. Y.
January 11, 1908.

The Florists' Exchange,
No. 2 Duane Street, New York City.

Gentlemen: I have the honor to acknowledge communication of January 10 enclosing a letter from the Kretschmar Brothers. Enclosed herewith is a copy of the reply which I made to the request of this party. (Reproduced herewith.)

Permit me to state in reply to your letter, that my attitude is to give in all cases all the help that my available knowledge and the time of the Station staff will permit. We answer from 1,000 to 20,000 letters a year and look into a good many matters at the requests of our constituency. When I received the enclosed from the Kretschmar Brothers, I consulted with our horticultural expert as to the possibility of our establishing by chemical analysis any relation between the brittle condition of the carnation stock and the constituents of the water. It seemed to me useless to incur an expense of the time of the chemist for a week at the minimum, and possibly two, to make analyses of these waters unless we could use the results in the way of advice. In the present status of knowledge, a solution of the problem for these people would mean a long continued investigation in the forcing house in order to reach any conclusions, and we are not prepared on account of the large amount of work now on our hands, to take up a new investigation on short notice. The facts are, many people ask these things of us without having any conception of what is involved in the request. There are very many problems remaining to be solved, but we can only take



The Late Victor S. Dorval, Sr.

up a certain number at a time. If there is any chemist in Ohio or any expert in Washington who knows the relation between the constituents of water and the texture or structural condition of plants, I wish he would furnish the world with his information. I do not propose for the sake of pleasing people to fool them with statements which are not backed up by facts. As a matter of fact we are blockaded with work just now and are helpless in taking up anything new which involves a good deal of time.

Yours truly,

W. H. JORDAN, Director.

(COPY)

Geneva, N. Y., January 7, 1908.

Kretschmar Brothers,
West Nyack, N. Y.

Gentlemen:

Yours of December 30th is received, also the samples of water. I fear we shall not be able to give you the help that you are evidently expecting of us. The analysis of water consumes so much time and is so expensive, that we would not care to undertake it unless we felt that the results would be of use. The analysis of these two samples would probably spoil the time of a chemist for at least a week and this would not be justifiable unless we felt that we could somehow connect the results with your troubles. Were we to determine what is present in the water, we would not then be able to tell you what constituent causes the unusual condition of your carnations.

I have consulted with our horticultural experts here and they are not aware of any investigations that show the relation between particular constituents of water and the condition of the plants. For this reason it seems to me that we would not be justified in the expense of these analyses, especially as our Chemical Department is already blockaded with work.

I regret that we cannot help you.

Yours truly,

(Signed) W. H. JORDAN, Director.



Benjamin St. John.

Benjamin St. John, florist, died on his farm near Rockport, Conn., on January 7, 1908, he had been in failing health for some time. He was sixty-five years of age, and survived by a widow and a grown-up son.

Mr. St. John was a well known florist business in Danbury, Conn., for a number of years. The funeral was held from his late home on January 10 and was largely attended and conducted by delegation from Old Well Lodge F. and A. M. of South Norwalk, and Douglas Fowler Post G. A. R., of which organization the deceased was a member.

M. B. Bunker.

Marston Brother Bunker, one of Boston's well-known retail florists, died Sunday, January 12, 1908, at the Boothby Hospital, from the effect of an operation performed on Friday of last week for an internal trouble. Mr. Bunker had been ailing for some months past and went to the hospital on the belief that an operation would bring about his recovery. He seemed to stand the operation all right, but on Saturday he began to grow gradually worse, until the end came at noon on Sunday. His untimely death will come as a great shock to his many friends, both in Boston and in Somerville, Mass., where he resided.

Mr. Bunker was born in Cambridge, Mass., April 25, 1859, and when a young man entered the florist business, having been connected with it in various ways for the past thirty years. He worked for several of Boston's leading florists, including J. Newman & Sons and W. E. Doyle, having been head man for the latter for several years. He also for some time had charge of the flower department of J. R. Whipple & Company at their various hotels. About eight years ago Mr. Bunker started in business on his own account, and had a very popular and successful store at 8 City Hall Avenue. He was a member of Soley Lodge F. and A. M., Somerville; Royal Arch Chapter, America Lodge I. O. O. F., Unity Council R. A.; and Somerville Lodge of Elks.

He leaves a widow, a grown-up son and daughter.
J. W. D.

Victor S. Dorval, Sr.

Victor S. Dorval, Sr., florist, Woodside, L. I., died at his home there on Sunday, January 12, 1908.

Mr. Dorval was born in the city of Maus, Department de la Sarthe, France, on December 8, 1831. After serving a regular apprenticeship as a florist in his native town, he worked for a time in Angers, and, having there laid the foundation of his career, he started in 1856 for Buenos Aires and Montevideo, where he spent five years as a gardener, later becoming a raiser of sheep and cattle, until the civil war in Argentina ruined him. After giving up this latter business, Mr. Dorval traveled for one year over a part of South America collecting plants and seeds in company with the botanist Barraquini Peronssell, who was afterward gardener to the Shah of Persia. While at Montevideo Mr. Dorval made the acquaintance of the botanist Bonpland, who had been gardener to Napoleon I, and cooperated with the celebrated Alexander von Humboldt in the preparation of his work "La Flore du Peru."

Returning to France in 1862, Mr. Dorval resumed the practice of his profession, working for one year in the Jardin des Plantes, Paris, whence he went as foreman to the garden and nurseries of the City of Paris. He occupied this municipal position for two and a half years, then going to Lyons as foreman of the Parc de la Tete d'Or, which supplies the parks, squares and other public places of that city with shrubs and flowers. In 1866 Mr. Dorval came to the United States, going first to Keokuk, Ia., then to Washington, D. C., Newport, R. I., and Whiteston, L. I., working at his trade in all these places. In 1872 he decided to start in business on his own account, and accordingly purchased the property which he occupied at the time of his death. Here he had built up, by hard work, a remunerative business in the raising of cut flowers for the New York market, making a specialty of azuleas, hydrangeas, etc., for the Easter trade. Mr. Dorval enjoyed a very high reputation for his blooms. He was married in 1872 to Miss Kate Rogan of Ireland, who, with two sons and one daughter, survives him. One of the sons, Victor, Jr., is secretary of the Cut Flower Exchange in New York.

Mr. Dorval was a much respected member of the New York Florists' Club.

American Carnations in England.

To the January 1, 1908, issue of *The Gardeners' Chronicle*, London, England, E. H. Jenkins contributes a very interesting article on the status of American varieties of carnations in England and their behavior there. He cites as a representative set of good American varieties, Enchantress, Robert Craig, Mrs. Thomas W. Lawson and White Perfection, adding, that well-grown specimens of these dominate any exhibit of these carnations, catching and holding the attention.

According to Mr. Jenkins the first American variety to attract the attention of English growers was William Scott, although it evidently did not find much favor either with the plantmen or in the market. Then came Mrs. Thomas W. Lawson, and to this variety, rather than its forerunners, is due the great popularity of the American carnation as known to-day in England. "Disappointing as first seen by reason of its indifferent form and color, the variety has since been regarded more favorably, and, at the present time and for some years past, has been grown in vast quantities for the production of blooms for cutting."

A great drawback to the success of our carnations in England is the fogs that occur from time to time in that country and the absence of sunlight in winter. Mr. Jenkins says that, generally speaking, the varieties whose flowers have much blue in their composition suffer the most quickly, and of these C. A. Dana, Nelson Fisher and William Scott are examples. "Aristocrat, so far as present experience goes, promises to be a notorious flower in this respect, for it becomes discolored when exceptionally young. It is an unfortunate failing in an otherwise good and shapely flower. Most of the scarlet-colored varieties and the crimson-scarlet shades more particularly than the bright scarlet shades, become bleached as the result of fog and the long-continued absence of sunlight. What happens in their case is that the more intense coloring either remains developed, or that this brighter tone is afterward destroyed, and much slate color appears instead, giving a dullness and inferiority to the bloom.

"All scarlet flowers appear to suffer most when strong chemical manures have been employed in their cultivation. Some of the maroon-crimson shades, as The President, refuse to develop in winter time, and the crumpled bundle of petals will not unfold. White-flowered kinds and the pink shades suffer the least discolorations, but such full-petaled varieties as Enchantress require a very long time to expand; the well-known variety Fair Maid, with its fewer petals and smaller flowers, being preferred in some instances because it opens to much more freely and quickly."

So far as the question of improvement to be looked for in the future in England is concerned, Mr. Jenkins thinks the ideal variety for winter-flowering will be that having comparatively few petals, and in which the petals are of a large uniform size right to the center. Such a flower in artificial heat will, he says, move easily and readily, and the variety whose flowers do this prove most profitable to the grower. He correctly states that it is not always the variety the flowers of which realize the highest prices in the market that yields the best returns to the cultivator, but rather the variety that opens quickly and flowers profusely over a long period of time. The grower for market has to consider, not what price he gets per bloom, or for a few dozens on the market, but the value of all he can produce from every square yard of glass at home. Whether a variety may prove profitable or otherwise depends, not a little, upon its per-

petal habit of growth and profuse flowering. Mr. Jenkins adds that, generally speaking, varieties of the Lawson type are much in favor for their profuse flowering. "Speaking of this as a type, it is interesting to note that while American raisers have given us many of their 'pink' varieties, as yet they have not given us a good long-stemmed kind of the exquisite pink tone of the old Miss Jolliffe. That most recent pink variety, Winsor, is not only obviously of the Lawson type, but it is a pink with the cerise of Lawson taken out of it. It must, however, at once be said that all of this shade of color

all apparently successful in their work that it is hardly fair to name any one more prominent than another. They have no secrets. The visitor can ask all the questions he desires, all of which will be truthfully answered. Even the so-called "Kodak friend" is welcome.

J. Von der Linden has over 50,000 square feet of glass devoted to violets. A large part of this is at Staatsburgh; there a house of Swanley White is grown for special customers. Marie Louise and the Farquhar are the varieties grown in the Rhinebeck houses. Mr. Von der Linden ships to all the large wholesale markets of the country.

J. M.



T. A. Weston, The "Stray Notes" Englishman Awheel

Stray Notes from Across the Atlantic.

Stray notes mean rambling notes; rambling notes mean wandering notes, and wandering notes suggest that the fellow who writes them is out of sorts. Maybe it's the Shropshire climate, although I am doubtful, for our weather has been out and out rotten everywhere. A short time since I got aboard my bicycle and set out for the northwest. There was a deal of mud about when I started, but I afterward found that Kent was no worse than other places. It was mud and rain everywhere, and it has been so ever since. However, I'm not out this time to talk about the weather, although, perhaps, it is an Englishman's privilege to swear about it. Of late, work has been so pressing that we have small chance to find fault with the weather clerk, and maybe it will comfort some of your readers to know that the seed trade, sweet peas in particular, is booming, with a mighty big boom.

Just now everyone is turning out sweet peas as fast as they know how, which indicates that the public is not yet scared off by untried novelties. However, it will come sure enough, and then the man whose reputation has suffered will find that there are not many people going about labeled "M. U. G."

The list of new varieties is well-nigh complete, and in case some of your readers want to lay down an acre or two to trials, I am sending a list of all the new things going. It's a mighty list and only four of them American.

Mr. Zvolanek will be interested to learn that some of his new sorts were coming into bloom in Guernsey in mid-November, but, of course, they were not in form.

We are having lively times over the American gooseberry mildew. Just imagine our government passing a law compelling all growers to spray or burn affected bushes!

I have been much interested in your reports of the chrysanthemum shows, also in the notes by S. A. Hill. It would seem that exhibitions are getting a bit stale, as they are here. Our leading specialists say that the palmy days of novelty raising are over, and when I saw H. J. Jones recently he said things were a good deal off. Single sorts are becoming popular, however, and there is a fair demand for good marketable kinds.

Carnations are going strong, and some of the latest American varieties were shown well recently. Winsor only lost one point and that for fragrance, or lack of it.

I don't know anyone capable of describing a sweet pea like the great W. A. B., and I must say that I feel like doffing my cap to "The Scientific Special Crops Intense Culture Ranch of Elmhurst, Ill." (Quite a contract job writing all this!) We shall almost need a special sort of envelope when writing for Lady Roosevelt aster; however, the latter looks like being a good thing, and I am on it.

I suppose, too, that I ought to bow to the fellow who penned the homely paragraph about myself. If he were not so far away, I might be after him with a bludgeon.

I see friend Harrison Dick is at it again respecting sweet peas, so I perforce must refer to the subject again. Now just see here, Mr. Dick, when you wrote Baker's stock of Mrs. Chas. Breadmore you didn't mean Charles Foster, for the following is taken from August 24 issue: "Baker's stock of Charles Breadmore is the finest as also their Mrs. Charles Foster." Now isn't that right off? Then again, Baker's were not really the introducers, for they together with Bolton sold the greater part of their stock to Sydenham, who had it grown in California. When it came back, Lord! what a mess it was in! Baker's grew a bit at their own place and their sock at the Reading trials was certainly ahead of the Number 1 and Number 2 stocks of Sydenham. That it is bewitching, there is no gainsaying, but, my, 't is a terror for sporting, although, strange to say, I have had it true both years that I have tried it. There is certainly nothing to equal it when true.

I have had no opportunity of comparing Mrs. Henry Bell and Our Queen, and I want to grow them before I say definitely as to their synonymity.

There are so many cream and pink Spencers going that until they can be tested, one is safe in grouping them. I know Evelyn Hemus is paler than shown, but it will have its work out to hold its own. We want the best, and we want them distinct, and I hope to prove which is the best out of the half dozen cream and pink Spencers now selling.

show up splendidly under artificial light, and this, from the decorative point of view, is of the highest importance."

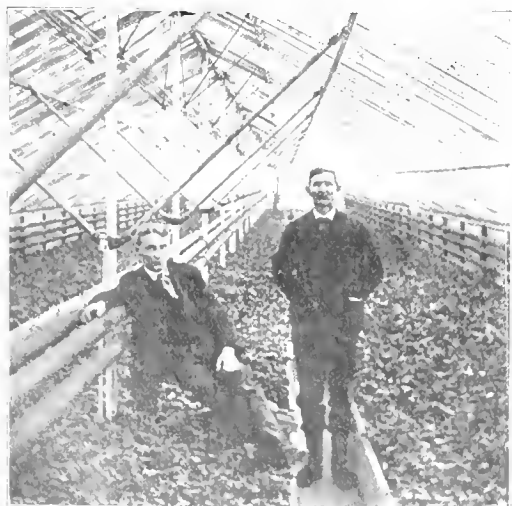
Mr. Jenkins then adds that other qualities to be borne in mind by the raiser of new kinds include that of rigidity of stem, and while some varieties are altogether too weak, others appear to be too rigid and erect. "Nonsense! I hear someone say, but I refer entirely to the long-stemmed flowers, and the longest of these in particular when used full length on a table, for example, but reveal the back view of a very handsome flower. Moreover, the too rigid stem does not lend itself to the most graceful work, and in the near future the ideal stem will be that which presents the flower to good view by a graceful arch of the upper 8 inches or 10 inches of its stem. The shorter-stemmed Lawsons, rigid as they are beyond comparison, are valuable by reason of their shortness. On the contrary, where stems are 2½ feet or 3 feet long, the rigidity has its drawbacks. In these directions there is abundant room for improvement in the carnation, and if to these qualities could be added the capacity to withstand the so-called 'rust' (*Helminthosporium echinulatum*), a great work will have been accomplished."

Violets at Rhinebeck, N. Y.

The violet industry at this place is now at its best. The growers, pickers, bunchers, and the express companies are kept busy all day as well as far into the night. The season opened up auspiciously and from present prospects is likely to prove a prosperous one.

The violet industry in many sections of the country has been beset by many troubles in the form of disease from which the Rhinebeck growers have up to the present time been happily immune. James Newman, a prominent grower on Violet avenue, related, however, to your correspondent that the plants of three-fourths of the growers are threatened with the gall fly. Mr. Newman states that the fly lays its eggs on the leaf of the plant. These finally drop to the soil, where they hatch out and become maggots that immediately proceed to eat out the heart of the plant. Cyanide gas and all other insecticides Mr. Newman claims have been tried, but to no avail. By close watching the fly has so far not wrought serious injury to the present season's crop.

The growers are so numerous in Rhinebeck and



Violet House of James Newman at Rhinebeck, N. Y.

I quite agree that Nora Unwin, Lord Nelson, and Frank Dolby are this year's 1907 sorts. But Princess Victoria, Elsie Herbert, Rosie Adams, The Marquis, Silas Cole, Nancy Perkins and Prince Olaf are or were then introduced. Then again, the awards of merit were given at the show, merely on sight of the bunches exhibited, with the exception of Nora Unwin. Nancy Perkins and Rosie Adams were not at the trials to my knowledge, so that the awards for these were given on trust; and had Elsie Herbert been seen prior to the giving of the award, I guess it would not have had it. It was nothing like being fixed. The others certainly deserved the awards, as they were good both at the show and at the trials.

However, friend Dick is aware of my peculiarities, and I have no fear of his taking umbrage; and if, as he hopes, further interest can be stimulated in America by these little discussions, well, I am out to take on anyone who steps on the tail of my coat, provided he does it gently.

In conclusion I feel I must tender my sympathy to all members of the S. A. F. O. H. I had got to look upon the name of Secretary Hauswirth as quite a familiar item in 'The Florists' Exchange. It is indeed a very sad affair. T. A. WESTON, Shropshire.

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

Suggestions for Dinner Decorations.

Now that the holidays are over the New York florist will settle down to what he hopes will be a steady business, which includes receptions, dinners, balls and other entertainments that call for the aid of the florist, and the use of cut flowers and flowering plants. Dinners appear to be the most popular form of entertainment among the wealthy classes and a dinner table without the embellishment of floral decorations of some sort would amount to vulgarity. Flowers add a certain charm to a table that can not be obtained with the finest gold or silver service or expensive table linen.

Low table decorations are becoming more popular every season. Anything that obstructs the view should be studiously avoided.

Adiantum Farleyense makes a splendid decoration either by itself or combined with flowers. Plants with well-tinted young fronds are especially beautiful for table work. There are other ferns that may be used. Adiantum rhodophyllum shows quite brilliant coloring in the young fronds, also some of the newer varieties of nephrolepis, N. Amerpohli, with its delicate lacy fronds, being one of the best for the purpose.

Adiantum Farleyense and the Richmond rose form a beautiful combination. An arrangement of this description was used for a large dinner this week. The table was twenty-two feet long by six feet wide, an oval basket four feet long being filled with low plants of A. Farleyense. Two circular plateaux were filled in the same manner, the oval arrangement being placed in the center and the round ones at either end. Richmond roses were stemmed just long enough for the flowers to show a few inches above the fern, and instead of being distributed all over the baskets they were arranged in clusters and long sprays. Cut Farleyense was laid on the table and enough roses placed on the fronds to carry out the spray effect and to bring the clusters down to a vanishing point on the tablecloth, large masses of A. Farleyense being left entirely free of roses, making a distinct combination.

Adiantum Farleyense is also beautiful with cactileyas and cyrtipediums; in fact, it gives a richness to a table decoration unobtainable with any other foliage.

The market at present is rich in material for table decoration. Spring flowers are beginning to make their appearance; flowering shrubs, bulbous flowers, wall-flower, snapdragon and a great variety of orchids, while roses and carnations are at their best. Flowering shrubs, while not particularly adaptable for table work, may be used to good advantage for large effects or for high decoration. Forsythia and Japan quince are both in the market and may be used very effectively in tall vases or laid on the tablecloth. Spring flowers, especially the early arrivals, are always welcome for table work and make a pleasant change from roses, carnations, etc. Wallflower, now that it may be had in almost any quantity, makes a splendid decoration for a luncheon. A judicious blending of Spring flowers, wall flower, sweet peas, fuchsia, myosotis, etc., makes a charming arrangement for a luncheon.

Orchids are playing a prominent part in table decoration at present and some magnificent sprays of Calanthe Veitchii, with its beautiful pink coloring, were used at a large dinner given recently. They were arranged in tall silver vases with long sprays of Asparagus plu-

mosus, Cyrtipediums in fact, were used at another affair and proved very interesting. They were arranged in small round baskets with Nephrolepis Amerpohli. A very choice decoration was done with Vanda cœrulea and Phalenopsis amabilis. The arrangement was entirely flat, A. Farleyense being laid on the cloth in various designs, the orchids placed here and there, the white phalenopsis blending with the rare blue of the Vanda cœrulea, and forming a beautiful contrast with the gold service used on the table. D. RAYMOND.

Novel New Year's Ideas.

An original idea designed by James Meiklejohn, manager of the floral department of the Hotel Knickerbocker, New York, for the New Year's celebration at that hotel, made quite a hit. It consisted of a large horn of plenty, made of surfax and American Beauty roses, and was suspended from the music gallery in the main dining room. At exactly twelve midnight the lights were turned out and the number "1908" flashed on an electric sign, and when the lights were turned on again, the horn, worked by compressed air, was seen blowing the petals of American Beauty roses over the guests. The same scheme was carried out in the grill room, while in the palm room an electric fountain, surrounded with Nephrolepis Scottii, small electric lights and snapdragon, was set in motion. In the large banquet hall, which was appropriately decorated, a big electric sign flashed the number "1908" while the guests were showered with cut pansies blown from the gallery through large electric fans, by Mr. Meiklejohn's assistants.



A Calla Freak
Grown by F. T. Covey & Co., Newport News, Va.

CLUB AND SOCIETY DOINGS.

NEW YORK FLORISTS' CLUB. The first meeting of the club for the year 1908, held on Monday evening, January 13, was one of the most interesting in a long time, the various matters coming up before the body necessitating a protracted session, which ended at about 11 o'clock. Ex-President Totty, on turning over the office of presiding officer to Charles B. Weathered, thanked the members for their forbearance during the past year. "The president of an organization," said Mr. Totty, "should sink his own personal likes and dislikes, and should always be guided by the majority of the organization. That course I have always endeavored to pursue." (Applause.)

Mr. Weathered, who received an ovation, then assumed the chair, thanking the members cordially for having elected him to the office. He sincerely hoped and trusted that all would support him during his term. He referred to the excellent work done by his predecessors, and said he would be glad, indeed, if his record at its close would measure up to that of those who had gone before him. He pledged himself to do his utmost toward the up-building of the club. One of the matters particularly emphasized in the president's address was that of the club securing a home for itself. He stated that this matter had been occupying the attention of the members for a very long period, and referred to an essay which he had read before the club and which was published in 'The Florists' Exchange' on July 18, 1901, in which he had then set forth his views on the subject. This securing of a permanent home had been delayed, not so much from the wishes of the members thereon, but simply from the fact that it had

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 23rd St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Delivers anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones, Prospect 2840 and 1065.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLOAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

EERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

been an impossibility to carry out the plan. Mr. Weathered was not in favor of any medal or other award being given to individuals for bringing in new members to the association, but rather would see 75 per cent. of the now available members present at every meeting. Another subject to which Mr. Weathered alluded was that of punctual meeting of the members at 7:30. This rule he would endeavor to specially enforce. He congratulated the club on its financial standing, and then took up the matter of the "canteen." He traced the story of this auxiliary of the club, which he said was instituted, not voluntarily, but compulsorily, conditional on the body securing one of its meeting places, many years ago. Then only beer and sandwiches were furnished, but now the members were not satisfied with these, but roast turkey, roast duck and other tit-bits in the culinary line were provided. It had become a great feature of the club, but it had also occasioned a great depletion of the treasury. He asked if it was justice to those members who, although ready and willing to do their part for the advancement of the organization, were often absent from the meetings, that those present should eat and drink up the funds? He stated that he would ask for a full discussion of this matter. Mr. Weathered then went into the subject of closer relations with the Horticultural Society of New York, touching on the trials and struggles of the club to maintain the position of eminence which the country demands of a horticultural organization located in New York, so far as regards its exhibitions. He was in favor of anything that would tend to evolve measures that would bring about what was quite evident was the greatest desire of the members to promote the grand work in which they were engaged.

Brief addresses were also made by Vice-President

Resolved, That as a mark of our great esteem for Mr. Hauswirth as a man and an official, and as an evidence of the great loss to horticulture which we feel his sad and untimely death has created, these resolutions be spread upon the minutes of this club and a copy of same sent to his bereaved family.

(Signed) F. H. Traudly, }
John Donaldson, } Committee.
John Birnie. }

President Weathered announced his committees as follows: Legislative—Patrick O'Mara, W. P. Sheridan and W. J. Stewart; Essay—John Birnie, L. Barron and B. Hammond; Award—C. H. Totty, Robert Simpson, H. Turner, A. Kennedy, F. H. Traudly, O. V. Zangen and A. Zeller; Exhibition—Jos. A. Manda, A. Jaenicke, Charles Lancker, S. S. Butterfield, John Scott, and J. B. Nugent, Jr.; Outing—W. E. Marshall, Charles Schenck, J. A. Shaw, J. A. Manda, C. Weber, D. F. Adams, R. M. Schultze, Louis Schmutz, Jr., F. A. Lord and J. W. Hiemels; Dinner—W. P. Sheridan, L. B. Craw, A. M. Henshaw, R. M. Schultze and W. E. Marshall; House—W. C. Rickards, H. Weston, G. Burnett.

Samuel A. Woodrow, John A. Rasbach, A. E. Wheeler and Thinsabura Suzuki were elected members, and the following gentlemen proposed: P. T. Barnes, J. Canning and W. A. Sperling.

The question of closer relations with the Horticultural Society of New York was then discussed by Messrs. O'Mara, Totty, Elliott, Marshall and others, with the result that the committee's report was accepted as one of progress and further conference with the committee of the Horticultural Society ordered. It was pointed out by Mr. O'Mara that the matter was one of friendly co-operation merely; there was no question of merging involved; each body would still hold on to its own course, but both might become united in the matter of

The president appointed as a committee to draw up resolutions of sympathy on the death of Victor S. Doyal, Woodside, L. I., Messrs. John Donaldson, J. A. Shaw and W. J. Stewart.

The matter of the annual dinner was then taken up and fully discussed by several members, it finally being decided that the usual course dinner, costing \$5 per plate, be held, the selection of a hotel to be left to the dinner committee.

The "canteen" came in for a goodly share of attention. A motion to limit the expenditure to \$10 per meeting and an amendment to eliminate the canteen entirely, were lost to an amendment placing the matter in the hands of the house committee with discretionary powers as to outlay. On motion of Mr. O'Mara the house committee was instructed to omit cigars and eatables from the items provided.

The president appointed a committee to obtain new rooms for the club as follows: John Young, W. P. Sheridan and J. K. Allen.

Secretary Young read a communication from the Baltimore and Ohio Railroad, stating that its rate to Washington would be \$7.55 for the round trip; tickets would be on sale on January 24.

A few remarks were then made by W. P. Craig and S. S. Skidelsky of Philadelphia and A. Farenwald of Hillside, Pa.

The committee on awards passed votes of thanks to Mr. Craig for his exhibit of Mrs. Jardine rose, which they were pleased to see again in such good condition. This rose is certainly a very attractive variety and found a host of admirers. Votes of thanks were also passed to A. C. Zvolanek for an exhibit of sweet peas, and the committee requested that John Lappe of Mas-



J. E. Jensen, Financial Secretary



Leonard Kill, President

Newly Elected Officers of the Chicago Florists' Club



Ed. F. Winterson, Treasurer

W. E. Marshall, Secretary John Young, Treasurer J. K. Allen, Trustees Hallock, Dukie and Rickards, all promising their best endeavor in behalf of the organization.

Secretary Young read the resolutions on the death of Phil. J. Hauswirth, secretary of the S. A. F. O. U., as follows:

Whereas, We the Members of The New York Florists' Club, have learned with profound regret of the death of Philip J. Hauswirth, Chicago, secretary of the Society of American Florists and Ornamental Horticulturists, which occurred on Wednesday, December 4, 1907. Be it

Resolved, That we as a body desire to express our most sincere sympathy with Mrs. Hauswirth and her family in their great and irreparable loss.

The late Mr. Hauswirth was well known to all of us and was an occasional and welcome visitor to our club. We admired him for his genial personality, and were deeply appreciative of his ever willing, untiring and unselfish labors in the furtherance of our and his chosen profession, the advancement of which he had so much at heart. His life work in our common cause was an example worthy of emulation by us all, in that he never shirked a duty that devolved upon him or refused to lend a helping hand when called upon in the carrying out of any undertaking having as its purpose the promotion of the common weal of our industry. This commendable faculty on many occasions necessitated much self-sacrifice on his part, but his magnanimity was such that he sank self-interest for the general good. And be it further

giving exhibitions in New York City. There was a general feeling among the speakers that none of the club's funds should be diverted for the purpose of securing associate membership in the Horticultural Society.

President Robert Simpson of the American Rose Society made a brief address telling of the forthcoming show of that body to be held in Chicago in March next, which he said would be one of the best in the history of the organization. He invited the members of the club interested in the rose to affiliate with the Rose Society, and to attend the coming show in large numbers. He spoke of the enthusiasm of the Western people in the work of the Rose Society, and was glad that the feeling at one time present, that the organization was simply an Eastern one, had now been dispelled. The Rose Society, in conjunction with the Horticultural Society of New York, would give an exhibition of outdoor roses in New York some time in June. It had been felt for a number of years that a show of this kind would greatly inure to the welfare of the Rose Society. Mr. O'Mara believed that a much wider field for that organization was presented by outdoor roses than by roses grown under glass.

The treasurer's report, read by W. E. Sheridan, showed a balance in the club's treasury of \$2,601.95.

path, L. I., show his seedling pink carnation before the club again, after which the meeting adjourned.

CHICAGO FLORISTS' CLUB.—The meeting of this club on Thursday evening, January 9, 1908, was fairly well attended. The most important business of the evening was the election of officers for the ensuing year, on the nominations made at the previous meeting. The election resulted as follows: Leonard Kill, president; George Asmus, vice-president; T. E. Waters, recording secretary; J. E. Jensen, financial secretary; E. F. Winterson, treasurer, and F. E. Bentley, J. F. Klimmer, August Pochmann, C. H. Fisk and H. N. Bruns, trustees. Installation followed, and short addresses were made by the newly elected officers.

The B. K. & B. Floral Company, Richmond, Ind., exhibited carnation Sarah Hill, a fine white; and Lawson Enchantress, a deep pink, similar to Rose Pink Enchantress. The committee on awards scored the former 88, and the latter 82 points.

The committee on arrangements for the meeting of the American Rose Society reported progress. The matter of quarters for the occasion was one under deep consideration, and a definite report, it was found, could not be made until next meeting. There were seven candidates for membership elected, viz.: F. R. Wiessgerber, Thomas McAllister, and R. S. Woodward, Chi-

engo; A. E. Longren, Des Plaines, Ill.; George R. Schumann, Hinsdale, Ill.; Geo. A. Kuhl, Pekin, Ill.; and Wm. J. Kimmel, Morton Grove, Ill., an excellent beginning for the year.

CONNECTICUT HORTICULTURAL SOCIETY. This society held its regular meeting in the County Building on Friday, January 10. President Huss occupying the chair. The newly appointed officers were duly installed and a program of the work for the coming season was outlined. Various committees were appointed and it was decided to hold a pansy show sometime during May. As we have a number of pansy enthusiasts in our community the success of the coming show is practically assured; as an indication that the exhibition will be on a considerable scale, John Gerard, the well known pansy specialist of New Britain, promises exhibits numbering at least 2500 pots from his district.

President Huss exhibited for the first time here *Mosehosma riparium*. This introduction from tropical South Africa promises to be of considerable value as a winter-flowering subject; the exhibit elicited much interest and was awarded a certificate of merit. Mr. Huss was also awarded certificates of merit for a fine collection of cut orchids and a specimen plant of *Reinwardtia irigynum*. A. J. Weber, gardener to Walter Goodwin, was awarded a certificate of merit for a well grown specimen of *Nephrolepis Whitmanii*.

It was resolved to hold dahlia and chrysanthemum shows in season and committees were appointed to prepare schedules for same.

President Huss presented the society a block and gavel made from the famous "Washington elm" which until a few years ago was one of the landmarks of Hartford. A. CUMMING, Jr., Secretary.

American Rose Society.

Secretary Benjamin Hammond, Fishkill-on-Hudson, N. Y., has distributed the schedule of premiums for the exhibition of the American Rose Society, and Spring exhibition of the Chicago Florists' Club, which is to be held in one of the best halls in the city of Chicago, March 25 to 27, 1908, inclusive.

Prizes are offered for classes of teas and hybrid teas, 25 blooms—American Beauty and Queen of Edgely, \$15 and \$10; and of \$10 and \$5 for the other varieties specified. In the class for 12 cut blooms the premiums for American Beauty and Queen of Edgely are \$8 and \$5, and for other sorts enumerated, \$5 and \$3. For 12 cut blooms the prizes are \$5 and \$3.

There are also classes for hybrid perpetuals, and for pot plants; in the latter class, a silver cup, value \$100, is to be given for general display of roses in pots or tubs, bush plants and climbers, covering not less than 100 square feet.

Several special prizes will be added to the list, and a supplement to the special prizes in Division F, will be issued later.

For information concerning the exhibition hall, address Philip C. Schupp, secretary Chicago Florists' Club, 37 East Randolph street, Chicago.

Society's Medals and Certificates for Novelties.

Gold medal for the best new rose not yet disseminated, whether of domestic or foreign origin. Exhibits to be judged by the official scale of the American Rose Society, and no gold medal to be awarded to any rose scoring less than 95 points.

Silver medal is offered at the same time and under the same conditions for a novelty scoring not less than 85 points.

A certificate of merit is awarded to all novelties scoring 80 points, but neither medal nor certificate will be issued until the variety is named, and 12 blooms shown.

It is further ordered that the complete scores of all the entries in the competition be filed with the Secretary of the American Rose Society before the award of any medal is confirmed. No duplicate medal will be awarded. It is understood that though the award of the gold or silver medal or certificate may be made to the same variety from one exhibitor exhibited in different centers, only one medal will be delivered to the exhibitor.

The Executive Committee of the American Rose Society reserves to itself the right of selection of the judges who shall pass upon the exhibits in the competition for these medals.

Scale of Points.

Table with 2 columns: Points of Value and Competitive Novelties for Classes Certificates, Etc. Rows include color, form, distance, fragrance, and distinctiveness.

All exhibitors not receiving prizes in one class may receive \$3 before placing in another class. The following special prizes are offered:

Division F. Special Prizes.

Fifty blooms, American Beauty, American Rose Society's prize, \$30.

The best display of cut roses of any variety, offered by Benjamin Hammond, the winner to hold the prize a year and on relinquishing it to compete for another competition at the end of the year. To receive a silver shield suitably engraved with the name of the winner having held the prize the longest, and the winner will be engraved consent given on the prize.

For outdoor roses in bloom in pots, \$200 cash for best prize, by Philip Hammond, Fishkill-on-Hudson, N. Y., also \$100 cash for second prize, by Arthur H. Roddington of New York City. For the best display of outdoor roses in pots, of tubs or bloom in garden, to consist of 150 plants, not more than two plants of one variety, each to be correctly labeled, but not to include all types and classes suitable for out-of-door planting.

Best display of Richmond, \$100 in gold, offered by E. G. Hill, Chicago, Ill. For the best fifty blooms of any variety of American origin now in commerce, a silver cup, value \$25, offered by Alexander Montgomery, Natick, Mass.

For the largest and most varied collection of cut roses of all classes, one or more blooms in a vase, the variety to count 65 points, a silver cup or \$25 in gold, offered by W. A. Mauld, South Orange, N. J.

For best twenty-five blooms, in Detroit, prize of \$25, offered by John Breidmeyer's Sons, Detroit, Mich.

The vase of roses showing the most artistic arrangement in the exhibition, \$25, offered by Welch Brothers, Boston, Mass.

For the prettiest exhibit, to be decided by three ladies visiting the Chicago show, \$5 gold piece, offered by Miss M. L. Hammond, Fishkill-on-Hudson, N. Y.



John Cook, Baltimore and His New Rose, My Maryland. Photo by F. Lautenschlager

Executive Committee Meeting.

The executive committee of the American Rose Society met at the Hotel Martineau, New York, on Monday afternoon.

August Poehlmann, Morton Grove, Ill., has been appointed special committeeman for the Chicago show. J. A. Valentine, Denver, Colo., will present a paper at the annual meeting upon "Roses in Colorado;" Adolph Poehlmann one upon "Practical Rose Growing," and William H. Elliott, Brighton, Mass., will give a paper upon the "Proper Size of a Greenhouse for Commercial Rose Growing." Mr. Elliott has the largest individual rose house in New England. Robert Craig, Philadelphia, will present a paper upon "Forcing Roses in Pots for Easter."

The following judges have been appointed, Messrs. J. P. Wilcox, Corned Bluffs, Pa.; Adam Graham, Cleveland, O., and John H. Dunlop, Parkdale, Ont.

The new rose, Mrs. Jardine, from Sharon Hill, Pa., will be one of the novelties on exhibition.

The secretary reported that many of the members had paid up their annual subscriptions within ten days from mailing the bills, and that the society needed as many as a thousand annual members, all interested. The details of the schedules had been attended to and the first edition had already been

... of the American Breeder's Association ... BEN O'NEILL, H. ...

American Breeders' Association.

The American Breeder's Association ... National Rules Hall, 218 G Street, N. W., and Carroll Hall, 228 G Street, N. W., Washington, D. C. The program has been issued by the secretary, Hon. W. M. Hays, Assistant Secretary of Agriculture, Washington, D. C., from whom copies may be obtained.

On Wednesday, January 29, from 2 to 5 p. m., a joint meeting of the American Breeders' Association and the American Carnation Society, under the auspices of the former body, will be held in the National Rules Hall, when the following papers will be submitted:

"Original Work Among Noted Roses," by W. Van Fleet, Little Silver, N. J.

"Some Observations in Plant Improvement," by A. M. Steele, Athens, Ga.

"Report of Committee on Breeding Roses," by Peter Bissell, Washington, D. C.

"Development of the Immune or Resist-ant Character in Plants," by H. E. Bobay, Fargo, N. Dak.

"Report of Committee on Breeding Carnations," by C. W. Ward, Queens, N. Y.

On Thursday, January 30, from 10 to 12 a. m., in Carroll Hall, reports of committees on various phases of plant breeding will be presented; and on Thursday afternoon, from 2 to 5 o'clock, in the National Rules Hall, there will be a joint meeting of the American Breeders' Association and the American Carnation Society, under the auspices of the latter organization, when papers on Carnation Breeding will be read and discussed.

On Thursday from 8 to 10 p. m., in National Rules Hall, an address will be delivered by H. J. Webber, Ithaca, N. Y., on "Gaps in our Knowledge of Heredity."

A reduction of fare and one-third, on the certificate plan, has been secured for those attending the meeting of the American Breeders' Association and the American Carnation Society, January 28-31, 1908, contingent on an attendance of not less than 100 persons holding certificates obtained from ticket agents at starting points showing payment of full first-class fare of not less than 75 cents on going journey.

American Carnation Society.

Variety Registered.

By Henry Eichholz, Waynesboro, Pa. Mrs. E. T. Onwaka, a light pink sport of Enhancer, registered subject to the approval of the society. ALFRED M. HEIN, Secretary.

Forcing Lilac Plants With Warm Water.

A new method of getting blue plants into bloom in quick time is given in a recent issue of the Gardeners' Magazine (December 11, 1907), which when better understood will take the place of etherisation. An example of a plant of the variety, Marie Legraye, that at the beginning of November was immersed in water for ten hours at a temperature of 95 degrees Fahrenheit, flowered in three weeks. Plants that were immersed for the same length of time in water at a temperature of 113 Fahrenheit showed, when taken out, a browning of the bud envelopes, developed slower at the first than the first-named plants, but came on rapidly when the pots were stood in a temperature of 95 degrees Fahrenheit, whilst a water warmth of 77 degrees Fahrenheit exerted no influence whatever on another plant subjected to it, as regarded its ability to force. It appears that for forcing purposes the most suitable temperature of the water lies between 95 degrees and 113 degrees Fahrenheit and that there is no necessity to keep to any special degree of warmth within this range. Etherisation of Marie Legraye did not prove so quick in action on the plants as the warm water method, but it had a great advantage over plants not specially prepared. The warm water exerted even greater influence on early blooming in the case of the variety Charles X. Horticultural Trade Journal, Eng.

William C. Barry, Rochester, N. Y., contributes to the Country Gentleman of January 2 and 9, 1908, very interesting articles on the subject of "How to Have Roses." Mr. Barry mentions some of the best varieties in each class for outdoor purposes, and gives practical instructions as to the culture and care of the plants. The other members of the American Rose Society should emulate Mr. Barry's example by furnishing similar articles to their local and agricultural papers. In no better way than this could the society create an interest in the flower it champions.

Secretary Hammond says the forthcoming show of the American Rose Society at Chicago will be "An exhibition of beauty for all the people, boys and girls, young men and maidens, father and mother, and all the grand-children of whatever creed or nation. Come see the roses."

Observations in France.

In the previous article I spoke of the public roads in France. These are a model for any country. One, that I shall mention as an example, the Bordeaux road, is a beauty. It is about 300 miles long. The driveway proper is, perhaps, eighteen feet wide, with a grassy promenade on each side, twelve feet wide, making the total width about forty-two feet. On the outside end of each promenade are planted tall poplars. At each side, at the extreme end side of the promenade runs a wide ditch. The roadway is hard as adamant, and perfectly even and smooth. It may be imagined that these roads are ideal for automobilizing, and that the American tourists use them for all they are worth for that purpose. To maintain the public roads, the government imposes a special annual tax of nine francs (\$1.80) on every male over twenty-one years of age.

* * *

I had to embrace an opportunity, of course, to see an agricultural fair in France. This happened to be one of the many held annually under the auspices of the Agricultural Society of France. I was curious to make comparisons of a European fair with the best I had seen of such exhibitions in America. The French have got them down, apparently, to perfection. The one I attended, that of the Department of Maine and Loire, was spick and span in every respect, clean, orderly and artistic in all its arrangements. The fair grounds covered about twenty acres. Everything in the nature of a circus as well as horse racing was eliminated. There were, of course, the usual displays of agricultural machinery of every description, of a great variety of up-to-date farm and road vehicles, of all sorts of wines, cheeses, incubators, monstrous vegetables, specimens of wheat, oats, rye, etc.; these latter with the head and straw intact.

The cattle exhibit was just great, so was that of the sheep, the pigs, the goats, the rabbits, the chickens, geese, ducks, turkeys, peacocks, pigeons, pheasants, etc. There were liberal cash prizes for all the various displays; for instance, in the cattle exhibit alone there were one hundred cash prizes, viz.: twelve first prizes of \$50, each, figured in American money; thirty-three second prizes of \$40, each; fifty-five third prizes of \$20, each, with a gold or bronze medal inclusive with each prize. Besides there were many "honorable mentions" as a prize of lower grade.

The floral show was under a square tent, about one acre in extent. The display of cut flowers was magnificent, embracing all the finest varieties of roses, anemones, lilies, fuchsias, geraniums, etc.

Pardon me now if I speak of what was to me one of the best exhibits of the fair, and that was an exhibit of the children's work. Life, we know, would be a dismal, dreary affair in any country without the children, and the delightful French cannot exclude the children, especially at such a time as a fair.

This exhibit consisted of a display of the progress made by the children of the public schools in manual training by the boys and in dressmaking and in house-keeping by the girls. In France, every child from the age of tothood up to graduation period is taught at school how to do things as well as the theory of them. Consequently, when a girl (taking her sex as an illustration) leaves school, she does so as a perfect little house-keeper. She knows how to make all her own clothes, how to make bread, how to cook the best dinner imaginable how to do all these things properly and perfectly.

Gardening is also taught in the schools, and the vegetables grown by the children are used when practicing their lessons in cookery. At the exhibition, which was in a building 150 feet wide by 600 feet in length, there were displays of the handwork of the girls in dressmaking, in underwear, in aprons, caps, and in every pattern or form of a dress, and one hour every day (the fair lasted eight days) the children gave exhibitions in cookery, handing around samples of their work for visitors to taste.

France holds agriculture of supreme importance, and its government endeavors to promote and foster the art ("The art of Kings" as Ruskin called agriculture) in every way it can. These ex-

Geraniums

S. A. Nutt, 2 in. pots, now ready, \$20.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS

WHITE, Alice Byron, C. Touse, J. Jones, PINK, Maud Dean, Glory of the Pacific, Vicland-Morel, Dr. Enguehard. YELLOW, Col. Appleton, Robt. Halliday, Pennsylvania, Red, Black Hawk. 75c. per doz., \$5.00 per 100. Cash with Order.

S. N. PENTECOST, 1790-1810 E. Cleveland, O.

hibitions, therefore, serve naturally as a great incentive in the practice of agriculture, every department of France giving a fair annually.

* * *

I found that the Eckendorf mangold-wurzels are more popular in Europe than the Long Red and Golden Tankard varieties are. These latter are the older varieties, and are the sorts which are generally grown in the United States. There are three kinds of the Eckendorf—white, red and yellow. The red is slightly the larger of the three. The yellow, however, is the most popular, especially in Germany, where under the name of Ideal, the seed commands a better price than that of any other variety of mangold.

The shape of the Eckendorf is not unlike that of the rounded torso of a well-formed woman; it does not require such deep soil as the other varieties; does not grow so much out of the ground as they do and is also easier to pull out of the ground.

A novelty in the mangold-wurzel world is the pale red or pink half-long sugar Ardennes. This is a cross between a sugar beet and a mangold-wurzel, originated a few years ago by Denaille & Son of Carignan. It is very large, half-long form, pinkish skin, flesh pure white. It is richer in sugar than any other mangold-wurzel on the market.

TRAVELER.

ADVERTISING in THE FLORISTS' EXCHANGE not only pays, but is far reaching. Messrs. R. Vincent, Jr. & Sons Co., of White Marsh, Md., this week showed us an order for geraniums received from a grower in Tokio, Japan, crediting the order to their advertisement in THE FLORISTS' EXCHANGE.

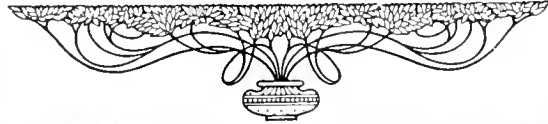
To have geraniums reach far-off Japan in good condition is somewhat of a proposition, but the Vincents, with their large experience in packing, expect to be able to deliver the goods in good shape for growing on.

PLANT CULTURE PRICE \$1.00. A. T. DE LA MARE PTG. & PUB. CO. 2 DUANE STREET, NEW YORK

CARNATION GROWERS

OUR issue for Saturday, February 1, 1908, will contain a full report of the meeting of The American Carnation Society, which is to be held in Washington, D. C., on January 28, 29 and 30, and carnation growers will find in that issue a most timely opportunity to place advertisements of either novelties or standard varieties that they may have to offer. Advertising copy should reach us not later than noon on Wednesday, January 29, or as much earlier as possible.

THE FLORISTS' EXCHANGE, 2-8 Duane St., N. Y.



GERANIUMS

S. A. Nutt, Beauto Poitevine, A. Ricard, Pasteur, 2 1/2 in. pots, \$2.25 per 100; \$20.00 per 1000.

- Rose Geranium Oak Leaf and Mma. Salterol, R. C. \$1.00
Ivy Geranium, R. C. 1.25
Fuchsias, R. C. 1.00
Salvia, R. C. 2 1/2 in. pots .75
Heliotropo, R. C. 2 1/2 in. pots 2.00
Petunias, R. C. 2 1/2 in. pots 1.00
Double Mixed Petunias, R. C. 1.00
Vince Variegata, 2 1/2 in. pots 3.00
Dracaena Indivisia, 2 1/2 in. pots 5.00
3-in. pots Cash with order

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None better, if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$18.00 per 1000.

- Beauto Poitevine, S. A. Nutt, La Favorite, John Doyle, Richard Brett, Ricard, Bruanti, General Grant, M. Canovas, Joan Viaud, Pastouran, Landy and several others.
FUCHSIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.
HELIOTROPE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.
SALVIA BONFIRE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$2.00 per 100.
COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.
ROSE GERANIUMS, 2 1/2 in. pots, \$20.00 per 1000.
AGERATUM, Stella Gurnoy, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100. Cash With order.
J. E. FELTHOUSE, Schenectady, N. Y.

GERANIUMS

- S. A. Nutt, Beauto Poitevine, Buchner, A. Ricard, 2 in. pots, \$2.00 per 100, \$20.00 per 1000.
FEVERFEW, double white, 2 in \$2.00 per 100. R. C. \$1.00 per 100.
FUCHSIAS, 10 best varieties, 2 in. \$2.00 per 100. R. C. \$1.00 per 100.
DOUBLE PETUNIAS, mixed, R. C. \$1.00 per 100.
HELIOTROPES, R. C. \$1.00 per 100.
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Miss Clay Frick (White Duckham), strong, stock plants, \$1.50 per dozen; Rooted Cuttings, \$1.00 per 100

GERANIUMS, from 2 1/2 inch pots. S. A. Nutt and Bruanti, \$2.00 per 100 Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

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FROM BENCH Timothy Eaton, Roslere, C. Touse, Maud Dean, Robt. Halliday, Alice Byron, White and Yellow Bonnifay, Mary Mann, Yellow Jones, \$1.00 per dozen; \$5.00 per 100. Mrs. George S. Kalb, Ivory, Estelle, Glory of the Pacific and Creomo, \$1.00 per dozen; \$5.00 per 100. Cash with Order.

William Swayne, Kennett Square, Pa.

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MONROVIA, BEATRICE MAY, J. NOLAN, MAUD DEAN, and several others. Rooted Cuttings for February delivery, \$1.50 per 100; \$12.00 per 1000.

ANTON C. ZVOLANEK, BOUND BROOK, N. J.

GERANIUMS

Rooted Cuttings all booked for JANUARY.

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GERANIUMS

Transplants, pot grown. We send all the roots, but little soil. Nutt, Doyle, Dbl. Grant, Buchner \$1.50 per 1000. Ricard, Poitevine, Perkins, Viaud, Castelfine, \$16.50 per 1000. F. Blanc \$2.00 per 100. Of all the scarlets a good lot, others limited some. COLEUS Fancy, very brightest only, and G. Bodder, R. C. 6 c. Plants 80c. per 100. GLADIOLI Fine Hybrids, blooming size, \$34.00 per 1000. Cash or C. O. D.

DANIEL K. HERR, Lancaster, Pa.

GERANIUMS

ROOTED CUTTINGS

All engaged until early in March. will have a big lot then. send for list and place your order if wanted at that date.

ALBERT M. HERR, Lancaster, Pa.

GERANIUMS, 2 1/2 in. fine stocky plants from Angles cuttings. Nutt, Single and Double Grant, \$2.50 per 100, \$20.00 per 1000. Poitevine, Hill, Viaud, \$2.75 per 100, \$24.00 per 1000. Cannas Dormant, Bouvier, Henderson, Antonio Crozy, \$29.00 per 1000. Cash. JAS. AMBACHER, WEST END, N. J.

Plant Notes.

PANAX VICTORIANE. Panax is closely related to the aralia, which relationship and the close resemblance is very often the cause of the one being mistaken for the other. There is at times some difficulty in keeping such varieties of aralia as Veitchii (which is one of the best) in good condition as regards perfect furnishing of foliage for any great length of time after the plants have reached the specimen stage. This and their somewhat slow growth have noted in a manner calculated to prevent their cultivation being taken up on an extensive scale as their merits as high-class ornamental foliage plants deserve. Panax, especially the variety known as Victoriae, is nearly as decorative in appearance as some of the best aralias, and in its cultivation there is not the slightest difficulty experienced at any stage of its growth. This panax in small plants is very useful for florists' purposes in the way of filling, much in the same manner as pandanus and dracaenas of like size are used, and in its specimen state it makes a very handsome pot plant for greenhouse or other decoration.

Cuttings of panax put in the sand now will root in two weeks; these will make useful little plants by early Summer, while by Fall they will be hardy some specimens in 6-inch pots if they are grown on without interruption.

PROPAGATING CROTONS. — Everybody understands the necessity of bottom heat in the rooting of hardwooded plants such as crotons, but beginners may not be equally aware that in like degree heat is required to aid these plants in their endeavor to establish themselves in the soil in which they have been potted, when sufficiently rooted for that operation. Very often a great many cuttings that have been successfully rooted succumb very soon after being potted, when they are placed on a light, airy bench where neither sufficient moisture nor bottom heat was available for the stimulation of increased root action and the retention of foliage. All tender plants on being potted out of the cutting bench are more likely to thrive without check if they are, when potted, placed over a gentle bottom heat and sufficient shade afforded them until they are fairly well established. An ideal method of procedure is to put them in an enclosed glass case, or frame, until they are in such a condition that they will proceed to grow without fear of injury. When crotons are needed for outdoor bedding, the stock from which cuttings have been taken can be utilized for filling in, if there is a likelihood of a scarcity of plants for that purpose. Misting the tops of crotons is a satisfactory method of obtaining well-furnished specimen plants without having to wait for like results from rooted cuttings. There should be no undue haste in severing the tops.

ABUTILON SAVITZII.—There is none of the abutilons utterly lacking in merit; on the contrary it may be said that they are plants well worthy of cultivation, all of them, they are so easily grown and so unfailling to yield the best they are capable of with the little care required to produce them. The dwarf variety, with beautiful, almost wholly white, foliage, A. Savitzii, is especially worthy of cultivation because of the many uses to which it can successfully be put. For standing in conjunction with such things as alternanthera, lobelia, etc., in formal beds or other arrangements of planting, it is unsurpassed. When used in that way it needs no pinching to any great extent, but if it becomes necessary to stop it, pinching can be resorted to. This abutilon in recent years has been used in large numbers in public parks and cemeteries with much resulting satisfaction to all.

Now is a good time to go to work rooting cuttings of Abutilon Savitzii, so as to have a good stock of thrifty plants by bedding out time. Cuttings taken from stock plants and inserted in sand in the propagating bench will soon root and be ready for small pots. There will be no necessity of having the plants in pots larger than 3 or 3 1/2-inch at most at bedding out time; carrying them along in pots any larger is simply waste of time, space and material, if the plants are for close bedding.

ACALYPHA MACFEEANA.—Highly colored plants for outdoor planting are always in demand when the time comes for making use of them. Cobus and several other plants of like character

are largely used still and are likely to continue to be utilized to a considerable degree. There are occasions, however, when cobuses are not fully satisfying either in their nature or in the effect they produce; for instance, when taste runs in the desire for a border of colored foliage plants in front of shrubbery of an not passing judgment on the desirability of such a finish cobuses, because in so many respects dissimilar to the main planting, are considered out of place. In such a case perhaps there is nothing of high color and luxuriant foliage that equals Acalypha Macfearna, which has also in its favor the ability to stand against winds better than cobus and able also to stand in good condition outdoors later in the Fall.

In order to have good plants in 1-inch pots ready for setting out during the last week in May or the first in June, cuttings should be put in the sand now, of which there should be a number on the plants taken in for that purpose. If the cuttings are taken off with a heel and inserted in sand over bottom heat, they will root readily. When it is ascertained that the cuttings are fairly well rooted they should be immediately potted in good fibrous loam to which should be added a sprinkling of sand. Subsequent pottings should be done firmly without using much sand in the soil.

GYPSOPHILA PANICULATA. There are many useful plants that as such are either unknown to some florists, or that, by reason of their apparent commonness, appear to them so unimportant they give them little attention, whereas if they were grown once they would always find a place on a grower's premises. Prominent among such plants is Gypsophila paniculata. To the retail florist, who many a time has occasion for the hurried gathering and formation of an attractive bunch of outdoor flowers, the graceful blossoms and stems of this charming plant will be of much use and a source of pleasure to the recipient.

This is a hardy plant and can be used with satisfactory results for border planting and rock work, as well as for cutting.

One or more packets of seed should be procured in very early Spring and the seed sown in shallow pans or boxes. When the little plants are fit to be conveniently handled they should be potted up and kept growing until May, when they may be planted in the open ground.

M.

DREER'S SUPERB DOUBLE PETUNIAS



FOR half a century we have been making a specialty of **DOUBLE PETUNIAS** and our strain is accepted as second to none, either here or in Europe. We annually plant many thousand seedlings from which only the finest double fringed forms are selected for propagating purposes, thus improving the strain every season. We offer fifteen distinct varieties.

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| Bulbs | Glaadiolus | Rhubarb and Asparagus under Glass |
| Cabbage and Cauliflower | Gloxinia | Rose Culture |
| Canna | Hot Beds and Frames | Smell Fruits |
| Carnations, Monthly | House Plants, Care of | Standard Fruits |
| Cauliflower, Radish and Beans under Glass | Hyacinths, Dutch and Roman | Strawberries under Glass |
| Celery | Iris and Tritoma | Sweet Pea, The |
| Chinese Sacred Lily | Lawns | Tomatoes, Outdoors |
| Chrysanthemum | Lettuce in the Open and under Glass | Tomatoes under Glass |
| Climbing Plants, Hardy | Coleus, and other bedders | Tuberose |
| Crocus, Snowdrop and Scilla Sibirica | Lily Culture for House and Garden | Tulip |
| Cucumbers under Glass | Melons under Glass and in the Open | Vegetables |
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	Per 100	Per 1000
Winsor	\$6.00	\$50.00
White Enchantress	6.00	50.00
Helen M. Gould and Beacon	6.00	
Melody	4.00	
Daheim	3.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson	3.00	25.00

Have a few hundred in 4 and 5 in. pots of above varieties. Write for list.

ASPARAGUS

	Per 100
Sprengerl, from 3 in. pots	\$5.00
Plumosus Nonus, from 2 1/2 in. pots	4.00

VERBENAS

	Per 100	Per 1000
Best Mammoth	\$1.00	\$8.00

MISCELLANEOUS

	Per 100	Per 1000
Ageratum, Cope's Pet, White Cap, P. Pauline, S. Gurney, L. Bonnet	\$1.00	\$8.00
Achyranthes, best varieties	1.00	8.00
Ampelopsis Veitchii, pot grown	8.00	
Coleus, best bedding and fancy sorts	1.00	8.00
Cuphea Platycentra	1.25	
Fuchsia, double and single	2.00	15.00
Feverfew, double white	1.50	12.00
Geraniums, best double and single	2.00	15.00
Hellebros, light and dark	1.25	10.00
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Moon Vins, true, white	2.00	15.00
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" Five early flowering sorts	1.50	12.00

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50 strong well-rooted, transplanted, 1- to 2 1/2 inch tops, heavy roots, \$3.50 per 100. 10,000 well-rooted, 20 to 30 inch, \$2.50 per 100, \$20.00 per 1000. 1000 one-year seedlings, 12 to 21 inch, \$1.50 per 100; \$12.00 per 1000. In pots of 2000 and over, \$10.00 per 1000; fine for transplant. Inc. packed free of charge. For samples by mail send 25c in stamps.
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ADVERTISING IN THE FLORISTS' EXCHANGE
- - - IS SURE TO BRING RESULTS - - -

PUBLICATIONS RECEIVED.

THE PRODUCTION OF EASTER LILY BULBS IN THE UNITED STATES. By George W. Oliver, Plant Propagator, Bureau of Plant Industry, Washington, D. C.

A most interesting and instructive bulletin (No. 120 of the Bureau of Plant Industry, Department of Agriculture) has just been issued on the above subject, and gives the results of various tests made in this country in the growing of lily bulbs. Mr. Oliver points out in his introduction the great drawback experienced in the growing of Bermuda bulbs in greenhouses in the United States, occasioned by disease, in many cases from 50 to 75 per cent. of the plants being practically unsalable on that account. He states that it is not likely that American growers will be able to harvest the bulbs and place them on the market as early as the Bermuda crop, but judging from present appearances their efforts will result in supplying bulbs practically free from disease. It is said that about 3,000,000 bulbs are annually imported from Bermuda and that about 20,000 salable bulbs, ranging in size from three to five inches in circumference, can be grown on an acre of ground from mother bulbs planted the preceding year. The second year's crop of bulbs of that size, whether from seedlings or from bulbs, should therefore bring from \$1,000 to \$2,000 an acre.

Mr. Oliver says that the attempts made to grow the Easter lily commercially in the Carolinas, Florida and other States were useful in pointing out places where it was evidently impossible to produce bulbs cultivated after the manner now pursued in the Bermudas and Japan. Both large and small imported bulbs were planted at various places and received the best of care, but in every case the crop when harvested did not warrant a continuation of the experiments. All of these failures resulted partly from unsuitable soils, but principally from unfavorable climatic conditions. It is reasonable to suppose that the lily disease so prevalent in imported bulbs played its part in making the experimental work a failure. He states that the experimental work now being conducted on the Pacific Coast promises successful results, but even in that region, favored as it is with nearly ideal conditions in the matter of soil and climate, good results cannot be expected by following the old methods of asexual propagation practiced in the Bermudas. This has been shown repeatedly in connection with several large lots of selected imported bulbs planted out in widely different localities for seedling purposes. These plants show the usual amount of disease on the foliage, while the apparently healthy plants propagated by division and by scales also show the disease to such an extent that it seems a difficult matter to get rid of the trouble by purely vegetative methods of reproduction from selected bulbs.

A few years ago Dr. Albert E. Woods, of the Bureau of Plant Industry, in his investigations of the lily disease discovered that seedling plants were practically free from the disease. About the same time Mr. E. M. Byrnes, then connected with the Office of Public Buildings and Grounds, but now with the Bureau of Plant Industry, found that the progeny of crossed varieties were more vigorous than either parent.

At the instigation of Dr. B. T. Galloway, Mr. Oliver grew a large number of seedlings in the Department greenhouses, and from these several pounds of seed resulted. This was distributed on the Pacific Coast and in Florida. The seedlings grown in California showed conclusively that with liberal treatment first-class bulbs can be grown by this method much more quickly than by asexual propagation. The plants are almost free from disease. A few plants show it here and there in first generation seedlings, but in the second and third generation it is difficult to find an affected plant. These results have been so encouraging to practical men on the coast that several are now engaged in getting up a stock of seedlings upon a large scale.

The bulletin mentions the most suitable localities for lily bulb growing, and, although enough has not been done in an experimental way to ascertain all of the localities where lilies can be grown successfully, it may be stated that the lily seedlings have shown great vigor where the winter temperature does not fall below 24 degrees Fahrenheit. Below that point the plants get a check to

their growth and the foliage puts on an undesirable yellow tinge, which remains during the winter. The points where experiments have been made are Miami and Key West, Fla.; in the northwestern part of the State of Washington, in various points in California and at Brownsville, Tex., particulars regarding which we hope to publish in a later issue.

As regards the best varieties to grow, it is stated that during the past three seasons in California the best success has been with seedlings which were obtained by crossing the red-stemmed *Lilium longiflorum* giganteum with *Lilium longiflorum* Harrisii. The progeny is remarkably strong and in some localities totally free from disease. In the open fields they come into flower about a week later than the true Harrisii. These seedling lilies of the parentage mentioned are composed of four distinct types: Long-leaved and short-leaved, green-stemmed plants, and long-leaved and short-leaved red-stemmed plants. All show a remarkable freedom of bloom. Fred Rafferty of Santa Ana, Cal., bloomed a large number of them in the Spring of 1907. Although the seedlings were only about 3 inches high when planted out in June, 1906, some of them had twenty-eight flowers to a single stem in June, 1907. Two years ago at Ventura, S. Cole had some 2-year-old seedlings of the same cross, one of which had thirty-five flowers to a stalk.

On the farm of the Santa Ana Easter Lily Company during May, 1907, hundreds of plants had twenty or more flowers to a stem.

The only well-known variety which has been tried by the Department in California and Arizona is the Harrisii variety from bulbs imported from Bermuda in 1906. These bulbs were planted in order to produce seed after being artificially pollinated. All of the stock grown turned out to be more or less diseased and most of the plants, although grown from good-sized bulbs, produced very poor flowers and a very low yield of seeds. A small lot of this variety grown from seed has turned out fairly well, but by this method of increase there are several distinct types, showing that it can not be depended upon to produce plants true to the original type. It would seem, however, that many reliable growers in the East think there does not exist the same necessity for the Harrisii variety as an early former as there was a few years ago when cold-storage bulbs were comparatively unknown for early forcing. If this is true, then there is but little need for haste in getting the Harrisii variety into the American market, when in reality the bulbs should still be ripening in the fields. If the greenhouse men could use only the cold-storage supply for the production of flowers during the early part of the year, the fresh bulbs would then get an opportunity to ripen thoroughly before being taken from the ground. It would seem advisable to grow types from seed alone and propagate these for one or two seasons asexually, but only from bulbs and not by the scale method, using seeds instead of scales to increase the supply of bulbs. But when we have types which come absolutely true from seed there will be little likelihood of a necessity arising for saving even the smaller bulbs for replanting.

The seedling method of propagation not only has its advantages in so far as the elimination of disease is concerned, but it is also a much quicker method than propagation from scales or even from small bulbs. The seedlings one year after planting very often show as many as twenty flowers to the stalk. During the past season (1907), as already stated, Fred Rafferty of Santa Ana, Cal., had seedlings with twenty-eight flowers. Such plants can be depended on to give bulbs of salable size the first year. Comparatively few of the 9 to 11 inch size are produced. The usual sizes are from 5 to 7 inches, but a considerable percentage of the 7 to 9 inch size is found in lots which have received good attention. The crop is ready for harvesting by the beginning of August. The smaller bulbs when replanted soon after being harvested grow much better than imported material.

The seedlings now growing in California are principally crosses between the Harrisii variety and the dark-stemmed variety of longiflorum known as giganteum; others are straight Harrisii seedlings. The crosses are exceedingly vigorous and the Harrisii plants are also more vigorous than the parents, but less vigorous than the crosses. The plants

selected for bearing seed were apparently free from the disease, which manifests itself in spotted leaves, dwarfed growth, and distorted flowers.

In selecting ground for planting seed bearers it should be so arranged that lilies will not be grown on it for at least three years afterward.

The variations among the second generation seedling plants are easily recognizable. A batch of seedlings has usually four distinct kinds: Dark-stemmed (1) long-leaved and (2) short-leaved, and green-stemmed (3) long-leaved and (4) short-leaved. One kind is lifted at a time and kept separate for future propagation by division only, as it is scarcely worth while to employ the tedious method of scale propagation.

In addition to the foregoing information, the bulletin also gives instructions as to the preparation of the soil, beds versus rows, size of seedlings at the time of planting, the pollination of the flowers, sowing the seed, picking off the seedlings, temperature and precipitation in the Bermudas and temperature records of the lily-growing localities of the United States. Numerous plates, illustrative of the text, are also supplied.

We hope to refer more fully to this interesting document at another time.

Philadelphia.

Trade Notes.

This has been a quiet week in the florist trade. Business has no snap to it. There are lots of flowers coming in, probably not more than usual at this season, but the demand is smaller than ordinarily. Both grower and commission man have given up this winter as lost, as far as money is concerned; the only ray of hope is to try to finish the season without financial loss. The prospect of any profit vanished with the Christmas business.

The commission men report a falling off in shipping trade this week.

At the Pennsylvania Horticultural Society's meeting next Tuesday J. Otto Thilow of Henry A. Dreer, Inc., will give his illustrated lecture on "The Flora of the Yellowstone National Park"; the trade are invited to attend. This lecture was delivered by Mr. Thilow before the S. A. F. convention last August, but only in part, the time allotted not being sufficient to finish it.

John Welsh Young is recovering from an attack of typhoid fever; he was very low around New Year's, but is now gaining rapidly.

The past week one retail store had three orders for table decorations in yellow roses and found it very difficult to obtain the required quantity. No grower appears to grow *Perle des Jardins* in quantity around here. The roses for the above mentioned orders were secured in the upper part of this State.

DAVID RUST.

TORONTO. Business has been somewhat slow since the beginning of the new year, and stock has been rather light, but I fancy there are signs of doings soon that will brighten up trade again.

The funeral of Ned Hanlon, the great carman, called for quite a number of flowers. Most of our retailers have had a good share of funeral work, and all hope that general stock will be plentiful soon.

Roses and carnations are becoming more plentiful; and violets appear to be somewhat in oversupply. Some fair tulips are to be seen. Narcissus, Paper White, are both good and plentiful, but not much other bulbous stock is offered as yet. *Cattleya Triana* are coming in, and selling well. The Dale Estate are sending in fine *Lilium*, lily of the valley and *mignonette*; their carnations are also good. Albert Houle is again sending in fine Richmond roses, and is finding a good demand for them; indeed, his Richmond are running American Beauty hard in this market.

A. E. Jennings, one of our florists, has assigned for the benefit of his creditors; full particulars are not yet at hand.

THOS. MANTON.

A Good Paper.

It gives us great pleasure to pay to you this dollar for the year 1908 for that good paper, *The Florists' Exchange*. It is one of the best for advertising purposes, and that is worth more than the price when good results come from advertising. You will receive our advertisement of carnation cuttings shortly now; then all will be sailing good again.

ADAM LAUB & SON.

January 15, 1908.

Baltimore.

News Notes.

Remarkable weather conditions prevailed here a little while ago. It was loved by Spring-like weather, with an occasional thunderstorm accompanied with lightning and torrential rains which have washed park and county roads to a considerable extent.

Business conditions are good, and the fore men are busy making funeral designs. The Health Department reports a large number of deaths in the city's history, all due to the gripe epidemic.

J. H. Moss, nurseryman and florist will give a very interesting talk to the members of the Gardeners' Club on "Growing Specialties" at the next meeting. The meeting on January 13 was well attended. The question of holding a Spring show in connection with the National sculpture exhibition, which is to be held in April, was discussed.

The Bologna Seed case evinced considerable interest among local seedsmen; the publication of the details as printed in *The Florists' Exchange* is being highly commented upon.

Upon invitation of Mayor Mish of Hagerstown, Md., and the School Board of Washington County, C. L. Seybold, President of the Maryland Horticultural Society, was invited to address the annual meeting of the Teachers' Institute of Western Maryland, which held its convention January 6 to 11. Upon request Mr. Seybold addressed the Gardeners' Club on the same subject. His subject was, "The Extension and Development of School Gardens; and a More General Dissemination of Knowledge in Ornamental and Landscape Gardening. Notes and Observations on School Garden Work in Europe, and a Plan for Up-to-Date Public Gardens of Instruction, Arboretums, and Botanic Gardens, in Every Center of Large Population in this Country."

George O. Brown, honorary member of the Gardeners' Club, showed a large number of fine photos made by him. He had good park views and pictures of various florist's establishments (both indoor and outdoor views), all being very good.

C. L. S.

Chicago.

Horticultural Society Meeting.

A meeting of the Horticultural Society of Chicago was held at the Art Institute on January 14. Officers were elected as follows: W. E. Kelly, president; W. N. Rudd, first vice-president; Ernest Wienhoeber, second vice-president; N. H. Carpenter, third vice-president; E. A. Kanst, secretary; James H. Burdett, assistant secretary; Ernest Wienhoeber, treasurer; executive committee J. C. Vaughan, W. N. Rudd, August Pochmann, J. B. Deunnd, James H. Turdett, E. A. Kanst, George Asmus and Leonard Kell. A committee was appointed to nominate directors and report at next meeting. Five new members were elected. The society obligated itself to donate a thousand dollars to the guarantee fund for the National flower show and to present medals and prizes amounting to \$500. The treasurer reported a balance of \$5,227. Memorial resolutions on the deaths of P. J. Hanswirth and R. H. Warder were read and adopted.

Wm. Hagemann, New York, was in town.

The market continues dull.

J. H. PRINCE.

National Council of Horticulture.

There will be a meeting of the National Council of Horticulture at the Auditorium Annex, Chicago, Ill., at 10 a. m., January 22, 1908. The members of the council invite suggestions or questions on any topics which should properly come before that body. Plans for the press bureau service for the coming year must be worked out. It is hoped to make this a stronger feature than ever before. Other matters have been mentioned, and it is hoped that other lines of work may be instituted which will be helpful to the horticultural interests of the country.

H. C. IRISH, Secretary.

ORANGE, N. J. The New Jersey Horticultural Society will hold its annual smoker, Friday, February 7, at Elks Hall, 210 Main street.

New Carnation **DEFIANCE** Brilliant Scarlet

It is the only scarlet to grow for quality and quantity. Send us your order at once so as to secure February delivery.

\$12.00 per 100, \$100.00 per 1000. Usual Discounts on Larger Orders.
JENSEN & DEKEMA, 674 W. Foster Avè., Chicago, Ill. **W. N. RUDD, Morgan Park, Ill.**

WELL ROOTED Carnation Cuttings

For sale; varieties such as Enchantress, White Lawson and Winsor, now ready for delivery. Please write for prices.

VALLEY VIEW GREENHOUSES, Marlborough, N. Y. VELIE BROS., Props.

CARNATIONS

	Per 100	Per 1000
Winsor	\$6.00	\$50.00
White Enchantress	6.00	50.00
Aristocrat	6.00	50.00
Beacon	6.00	50.00

December 15th or later delivery.
JENSEN & DEKEMA, 674 W. Foster Av., CHICAGO, ILL.

ANNOUNCEMENT

Our new seedling carnation **TOREADOR** will not be disseminated until January, 1909. For further particulars address

THE H. WEBER & SONS CO., OAKLAND, MD.

Rooted Carnation Cuttings

It will pay you to send for my catalogue and price list of the best novelties and standard varieties before buying.

A. F. LONGREN, Des Plaines, Ill.

CARNATIONS

Winsor, \$5.00 per 100; \$50.00 per 1000. White Perfection and Robert Craig, \$4.00 per 100; \$35.00 per 1000. Harry Fenn, Octoborn, Lawson and Patten, \$3.00 per 100; \$25.00 per 1000. Maceo, Fair Maid and Boston Market, \$2.00 per 100; \$15.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

10,000 ENCHANTRESS

Strong Rooted Cuttings \$2.50 per 100, 20.00 per 1000

PETERS & SONS, Hempstead, L. I., N. Y.

WHITE ENCHANTRESS ROOTED CUTTINGS

\$6.00 per 100; \$50.00 per 1000.

E. SCHRADER, NEW SPRINGVILLE, Richmond Borough, N. Y.

Rooted Cuttings CARNATIONS

READY NOW

None Healthier. None Better. Enchantress, Winsor, Pink, Red, White and Variegated Lawson. Write for Prices.

A. W. WILLIAMS, Highland, N. Y.

WINSOR \$6.00 LAWSON \$2.50

Usual discount on large quantities. Rooted cuttings. Terms half cash. Order balance 60 days.

HENSHAW BROS., Inc., Springfield, N. J.

The New Carnation **AFTER GLOW**

— WAS AWARDED A —
GOLD MEDAL by the Rhode Island Horticultural Society at Providence, Nov., 1907. (Exhibited by Wm. Nicholson)
FIRST PRIZE by the St. Louis Horticultural Society at St. Louis, Mo., Nov., 1907. (Exhibited by E. G. Hill Co.)
SCORED the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S., Jan., 1907, after arriving 24 hours late from Framingham, Mass.
ASIDE from these honors, the fact that it has been grown successfully wherever it has been tried, is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation, for well grown, well rooted cuttings at
\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000.
WILLIAM NICHOLSON, Framingham, Mass. **The E. G. HILL CO., Richmond, Ind.** **DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.** **R. WITTERSTAETTER, Originator, Sta. F., Cincinnati, O.**

ROOTED Carnation Cuttings

	PINK	100	1000
ARISTOCRAT		\$6.00	\$50.00
WINSOR		6.00	50.00
ROSE PK. ENCHANTRESS		3.50	30.00
ENCHANTRESS		3.00	25.00
LAWSON		2.50	20.00
JOOST		2.00	15.00

	WHITE		
WHITE PERFECTION		3.00	25.00
" ENCHANTRESS		6.00	50.00
" LAWSON		3.00	25.00
QUEEN		2.00	18.00
BOSTON MARKET		2.00	18.00
LOUISE		2.00	18.00
LT. PEARY		3.00	25.00
BOUNTIFUL		2.50	20.00

	RED		
BEACON		6.00	50.00
VICTORY		3.00	25.00
ROBERT CRAIG		3.00	25.00
FLAMINGO		2.50	20.00

	MISCELLANEOUS		
PATTEN		2.50	20.00
HARRY FENN		2.50	20.00
HARLOWARDEN		2.50	20.00

Stock guaranteed. Prompt deliveries.
THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch St., PHILADELPHIA.

CARNATION CUTTINGS

Winsor, February delivery	100	1000	\$6.00 \$50.00
White Enchantress, February delivery	6.00	50.00	
Robert Craig, February delivery	3.00	25.00	
Victory, February delivery	3.00	25.00	
Enchantress, February delivery	2.50	20.00	
Mrs. Lawson, February delivery	2.00	15.00	

WHITE BROS., GASPORT, N. Y.

CARNATIONS White Enchantress R. C. This stock originated with and grown by me is the very best, \$5.00 per 100, \$50.00 per 1000. Enchantress, light pink, \$2.50 per 100; \$20.00 per 1000. Lawson, \$2.00 per 100; \$15.00 per 1000. Lord, light pink, \$2.00 per 100; \$15.00 per 1000. Queen, white, \$2.00 per 100; \$15.00 per 1000. The Belle, white, \$2.50 per 100; \$20.00 per 1000.

Get your R. C. early and have blooms when others have none.
FRANK H. KIMBERLY 131 Townsend Avenue, New Haven, Conn.

VICTORIA

NEW SEEDLING, crossed by Lawson and Harry Fenn, the color of Lawson and the long stem of Harry Fenn; it is more prolific than either. Lawson is past. Victoria is better than Lawson ever was, and gave us last Winter from 20 to 95 per cent. more blooms each month. It is very healthy and a nice grower. I have two houses of it, and it is a sight to see the buds and blooms. It brings more money in the market than Lawson. Read below what J. A. Budlong & Sons Company of Auburn, R. I., say of it. They are growing it this Winter. J. A. Budlong & Sons Company are one of the largest market gardeners in New England, also the largest rose and carnation growers in Rhode Island.

December 10, 1907.
 Mr. J. H. Cushing, Quiddnick, R. I.
 Dear Sir: We have 1175 plants of your new seedling Victoria carnation which we planted in house the last of July. They

	WHITE	100	1000
Queen		\$1.50	\$12.50
Perfection		3.00	25.00
	PINK		
Winsor		5.00	
Aristocrat		5.00	
Enchantress		2.00	15.00
Rose Enchantress		3.00	25.00

QUIDNICK GREENHOUSES

have made fine plants and we think now will produce as many flowers, if not more, than any carnation we ever grew. The stems are stiff and good length. The flower is also a good keeper.

We have sold these flowers in several instances to some of our best trade in Boston, who thought they were a long-stemmed Lawson.

Up to date, we have cut 4768 flowers from the 1175 plants, and there are as many buds in sight to-day as there have been any time since we started to cut. In other words, the cut has been very uniform and looks as if it would continue so throughout the Winter.

We do not think that you will make any mistake by putting this carnation on the market. Yours truly,

THE J. A. BUDLONG & SONS CO.
 Price of Victoria rooted cuttings, \$75.00 per 1000; \$3.00 per 100; 250 at 1000 rate.

	ROOTED CUTTINGS		
		RED	
Red Chief		4.00	
Victory		2.50	22.50
Robert Craig		2.50	22.50
Harry Fenn		2.00	15.00
	VARIEGATED		
Mrs. Patten		2.00	17.50

J. H. Cushing, Prop., Anthony P. O., QUIDNICK, R. I.

New Carnation, **PRESIDENT SEELYE**

The unexcelled white; a seedling of MRS. T. W. LAWSON x THE QUEEN; now in its fourth year.

A large, well-formed flower, free and fragrant, easy to grow and does best in a temperature of 50 to 52. Calyx does not split.

Long, stiff stems from the start; a constant bloomer. Every cutting guaranteed well rooted and free from disease. The trade is invited to visit the greenhouses and see it growing.
\$10.00 per 100, \$75.00 per 1000. ORDERS Booked Now for JANUARY DELIVERY
H. W. FIELD, Northampton, Mass.

EVERYONE BUYS LLOYD LLOYD THE BREAD and BUTTER CARNATION

The only overblooming large-flowering white carnation in existence. LLOYD is the best all-around carnation ever produced. LLOYD will give you more flowers than any carnation you can grow. Size, stem, fragrance, keeping and shipping qualities cannot be excelled. LLOYD will not disappoint you

ROOTED: \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000.
UNROOTED: \$6.00 per 100; \$50.00 per 1000.

H. A. JAHN, NEW BEDFORD, MASS.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
 54 WEST 28th STREET, NEW YORK.
 Telephone: 3559 Madison Square
 CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—Business in cut flowers is far from what it ought to be at this time of the year. Aside from some bulbous flowers, crops are by no means heavy, still, prices are on the downward grade and daily clearances are next to impossible. American Beauty roses do not seem to be at all plentiful, and at times 50c, each has been obtained for small lots; in quantity, 10c each was the ruling figure. In Bride and Bride-maid roses the shorter grades can be moved much more satisfactorily than specials and fancys. These conditions have prevailed for some time, and would indicate that the larger portion of the work being done in flowers is for funeral designs.

Carnations are more plentiful than they have been for some time, and there has been a marked decrease in prices, not only for the fancy grades, but for ordinary stock also, \$3 and \$4 per 100 is all that was asked for some of the best blooms coming into the city, and fairly good stock has been sold at from \$1 to \$1.50 per 100. Violets are not clearing out at all satisfactorily, and prices run anywhere from 35c. to 75c. per 100. An occasional special hundred find a buyer at \$1, but these are few and far between. Orchids are quite plentiful, and reasonable also for this time of the year. Cypripediums, particularly, are selling cheap; in fact, they have not been so low in this market for nine or ten years as they are at the present time.

The greatest glut is among bulbous flowers—Paper White narcissus and Roman hyacinths. On Tuesday Paper Whites were selling at ten bunches for \$1, and Roman hyacinths from 50c. to \$1 per 100. There seem to be a great many of these grown this season, and unfortunately, they are all arriving together at a time when there is very little doing. Lily of the valley of splendid quality is coming in, but is not realizing half of what has been the rule in former years at this time. Sweet peas have not become very plentiful as yet. Lilac, in bunches, is reaching the city regularly and brings anywhere from 75c. to \$1 per bunch. Smilax and asparagus are both too much in evidence just now; there seems to be a very little demand for them and prices have suffered accordingly. Tulips are coming in regularly, but as yet the stems are quite short, and the prices realized are from \$1 to \$2 per 100.

CHICAGO.—The dark and stormy weather experienced for many days has affected the market to a considerable extent. The supply of cut flowers is much above the demand, and prices have suffered in consequence. Violets have been closed out at almost any price, thousands of bunches going off at low figures, and slowly. Carnations are over plentiful, and considerable difficulty is experienced in moving them. Flowers to bring top prices must be of highest grade. Roses are fairly strong at quoted prices, and are not over-abundant. Bulbous stock is very plentiful. Roman hyacinths and Paper White narcissus drag considerably. Tulips are coming in freely, but as a rule are very short stemmed. Mignonette is a drug, it is of fine quality, but nobody seems to want it and much excellent stock is sold at a cent a spike. Cattycas hold their own at quoted prices, and are in easy supply. Cypripediums move very slowly. Shipping trade keeps up fairly well, although orders are somewhat light for the time of year. A cold spell, which started on Tuesday, may result in a much needed improvement in this market. J. H. P.

BOSTON. The flower market remains in much the same condition as last week. Short roses are not so plentiful and there seems to be a fairly good demand for them. Prices remain the same on American Beauty and high grade Richmond, Killarney and other roses of that type. Carnations are of splendid quality, there is quite a demand for the poorer or short stemmed grades. Lily of the valley sells well, as do sweet peas. Lilacs are plentiful, so are callas. Mignonette moves slowly. Smilax is about gone for this season. Bulbous stock is plentiful, but sells slowly. Violets are very plentiful and prices have dropped. J. W. P.

PROVIDENCE, R. I.—Business here for the past week was rushing on account of several large coming-out parties and funeral work. All kinds of flowers are very scarce. Carnations are bringing from \$5 to \$8 per 100; Bride, Bride-maid, Golden Gate and Killarney roses from \$5 to \$20 per 100. Bulbous stock is commencing to show up in small quantities.

Paper White narcissus fetch \$3 per 100; lily of the valley, \$4 per 100. Violets are more plentiful and sell for 75c. per 100. Hareish lilies bring \$1.50 per dozen. G. A. J.

NEW BEDFORD, MASS. Trade in cut flowers is about the same as usual; funeral work is very heavy, calling for large quantities of flowers. Carnations are coming in of excellent quality; they sell at from 60c. to 75c. per dozen. Some nice Winsor are arriving. Roses are bringing from \$1.50 to \$2 per dozen. Violets are rather a drug on the market just now, they retail at \$1.50 per 100. A few nice Sweet peas are seen; these retail for \$1 per 100. Paper White narcissus are now coming in regularly, bringing 50c. per dozen retail. A few tulips are in evidence; they bring 50c. per dozen retail.

H. A. John's new white seedling carnation, Loyal, is eagerly sought for at the Park street flower market in Boston. Mr. John also disposes of a great many of the flowers to the retailers in this city.

The regular monthly meeting of the Horticultural Society was held at the Board of Trade rooms on Monday evening, January 12, 1908, when the election of officers took place. The society is now in a flourishing condition.

E. Y. Pierce is cutting some nice carnations; his stock is in good shape. R. H. Woodhouse is cutting some nice Fair Maid carnations; for an all-around, free blooming and money-making carnation this variety is easily the favorite here.

We are having mild weather in this section. HORTHO.

NEWPORT, R. I.—The second week of the new year has always been noted for a dullness in business circles, of course, by the extraordinary activity of the two weeks preceding. The corresponding week this year would be no exception to the rule were it not that the funerals of several prominent people created quite a good demand for flowers. The prices ruling are about the same as flowers were held at around Christmas; the fact is that, locally at any rate, roses and carnations are not over plentiful. Bulbous stock in considerable quantity and variety is coming in faster than was expected in the last few days; if this kind of material continues to pour in, prices will go down very quickly.

Plants are moving slowly now, but we have no reason for grumbling, a splendid plant business has been done from the first of December until now. I think I forgot in previous notes this season to comment on the poor quality of primulas noticed here. These plants to be of any use, or even to be disposed of at any price, must be well grown. Primula sinensis is not one of the most serviceable of plants at best. D. M.

ST. LOUIS.—The wholesale market during the past week was overstocked with everything in season, the demand was light for colored stock and only fair for white. The retailers, too, complained of slow business in social work and that funeral orders only helped them out. There are quite a lot of wedding orders for this week that should use up considerable fancy stock. At the wholesale market this Monday morning more stock than is usual on Mondays came in. The prices are down. Fancy roses are selling as low as 36 per 100, for such varieties as Richmond, Killarney, Jack, John, Bride and Bride-maid, other grades run from \$1 to \$1 per 100. American Beauty, Emory long sell at \$4 to \$5 per dozen, others at from \$2 to \$3 per dozen, shorts, \$4 to \$8 per 100. Carnations have been cheap, the Emory grades sell as low as \$2 per 100 and \$10 per 1000, these are at their best in quality. Violets are down to 35c. and 50c. per 100 for the best California.

Bulbous stock has come in, and is very plentiful in all lines, and is selling at

a very low price. Roman hyacinths go at \$1 per 100, Paper White narcissus, \$2, and lily of the valley, \$2 and \$3 per 100. Callas run from \$10 to \$12.50. Smilax, galax leaves and asparagus have a good call.

Sunday and Monday we had a snow-storm and the weather has turned cold. Last week it was Spring-like, and the chances are that prices will advance by the end of the week, if not before.

ST. PATRICK.

Heating.

Growers' Problems Solved by U. G. Scollay.

We have one new greenhouse, 85x16 feet, 8 feet from ground to ridge, which we desire to pipe for hot water at present but with the intention of changing to steam later. We have plenty of 2-inch pipe. Can this house be piped so as to use the same arrangement for steam later as we would now use for hot water, and what plan would you suggest?

D. N. Co.

You can pipe your house so that it will work either steam or hot water, and the best way would be to have an overhead main at the highest point near the boiler, dropping to the far end and the coils under the bench dropping from the far end toward boiler. You would have to arrange, though, to have enough surface to heat the house by hot water and also place valves on various pipes to reduce the proper amount for steam. I do not advocate the plan. Use either a straight hot water or steam job. It will then be less complicated, and to your advantage. The amount of glass that you have at present would be best heated by hot water, and I would suggest putting in ten lines of 2-inch pipe for a temperature of 60 degrees. The 2-inch pipe will work very nicely with hot water, but I do not see any economy in using it for steam. Presuming that you intend to add a greater amount of glass later on and then use steam, I would suggest your laying out this house for hot water, and then when ready with additional glass write me and I will gladly advise you as to the changes and layout for your new steam plant. U. G. SCOLLAY.

Introducers and growers of carnations who supply the trade with rooted cuttings will find this a very favorable time for placing an advertisement in THE FLORISTS' EXCHANGE.

ASPARAGUS Plumosus, 2 in., \$2.25 per 100; \$20.00 per 1000.

STOCKS, double white, 5 in., 10c.

REN BEGONIA, separate varieties, 2 in., strong, \$3.00 per 100

ENGLISH IVY, 2 and 2½ in., \$2.00 per 100.

GERANIUMS, S. A. Nutt, Heteranthe, Gloire de France, strong plants, 2 in., \$2.00 per 100; \$19.00 per 1000. Mixed, strong plants, \$1.75 per 100; \$17.00 per 1000.

ARACARIA, 20 in., four tiers, \$1.00.

FERNs, Scottii, 4 in., 10c.; 5 in., 15c.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

Will exchange for Geraniums, R. C., Carnations, R. C. Write us.

J. H. DANN & SON
 WESTFIELD, N. Y.

Carnation Victory
 Rooted Cuttings Ready Now

\$2.00 per 100; \$15.00 per 1000
 CHARLES H. ALLEN, Floral Park, N. Y.

CHANGES IN BUSINESS.

PALESTINE, TEX.—W. C. Hawkins, lately of Terrell, Texas, will engage in the florist business here and is now engaged in putting in extensive beds and greenhouses.

CASTLE, N. C.—The Horticultural Company has been established here to grow mainly evergreens, bulbs and seeds, also some fruit stock. Some fifty acres of land, well adapted for the purposes named, have been secured. Landscape gardening will form a feature of the firm's business. Adrian Van Leeuwen, Jr., landscape gardener, Worcester, Mass., is the senior partner of the concern, and H. H. De Wildt, of Holland, the junior member. Mr. Van Leeuwen will continue his landscape work at Worcester.

FIRMS WHO ARE BUILDING.

WOBURN, MASS.—Adam Foster is building two additional greenhouses, 100 x 50 feet.

ATTICA, N. Y.—Anthony J. Pauley is erecting two new greenhouses, one 200x26 feet, the other, 100x26 feet.

RUTLEDGE, PA.—Ernest F. Hanser, who recently purchased the greenhouses on Prospect avenue, is making preparations to build several additions to the houses and also to the dwelling house adjacent, in which he resides.

A COMPARISON OF COSTS

Is the cost of a one inch advertisement in every issue of *The Florists' Exchange* for one year, 52 issues. Total circulation, 369,200.

Is the cost of a three inch advertisement in every issue of *The Florists' Exchange* for one year, 52 issues. Total circulation, 369,200.

Is the cost of a six inch advertisement in every issue of *The Florists' Exchange* for one year, 52 issues. Total circulation, 369,200.

Is the cost of the *one cent stamp* required to mail 369,200 circulars, exclusive of the great additional cost of paper, printing, addressing, etc.

The advertisements in *The Florists' Exchange* are **ALWAYS** read. The circular generally goes into the waste basket, **without being read.**

\$46⁸⁰

\$140⁴⁰

\$280⁸⁰

\$3692⁰⁰

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Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day
Telephone, 167 Madison Square.
Consignments Solicited

C. BONNET G. H. BLAKE
BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4638 Main.
Consignments solicited. Out of town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Ave. and 26th St.
Coogan Building, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers
Wall Space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary.

J.S. FENRICH
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THE RELIABLE HOUSE
Valley Gardenias
110 West 28th Street
Telephone 321-325 Madison Square

FORD BROS.
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Telephone, 3570-3571 Madison Square

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Always Ready to Receive Your Stock
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Violets, Roses, Carnations, Orchids
Established 1888.

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Consignments of first class stock solicited.
Prompt returns.
THE SQUARE DEAL
Guaranteed to all who trade here.
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52 West 28 St. New York
Tel. 2920 Mad. Sq.

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Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby St.,
Telephone 4591 Main BROOKLYN, N. Y.

J. Seligman Joseph J. Levy
JOHN SELIGMAN & COMPANY
Wholesale Florists
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Tel. 4878 Madison Square, N. Y.
Opposite New York Cut Flower Company

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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TELEPHONE: 3393 MADISON SQUARE

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THE WHOLESALE FLORIST OF NEW YORK
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PHONES: 1664--1665 MADISON SQUARE
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55 WEST 28th STREET, NEW YORK
Telephone, 4626-4627 Madison Square Established 1891
SPECIAL VALLEY AND TOP GRADE ASPARAGUS
Consignments of First-Class Stock Solicited

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WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Jan. 15, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special....	30.00 to 40.00	Inf'r grades, all colors.....	1.00 to 2.00
	extra	20.00 to 25.00	White	2.00 to 3.00
	No. 1	12.00 to 15.00	Pink	2.00 to 3.00
	No. 2	4.00 to 8.00	Red	2.00 to 3.00
	No. 3	2.00 to 3.00	Yel. & Var.	2.00 to 3.00
	Bride, Maid fancy-special....	8.00 to 10.00	*FANCY-White.....	3.00 to 4.00
	extra	5.00 to 6.00	(*The highest grades of standard var)	3.00 to 4.00
	No. 1	4.00 to 5.00	Red	3.00 to 4.00
	No. 2	2.00 to 3.00	Yel. & Var.	3.00 to 4.00
	Golden Gate.....	3.00 to 10.00	NOVELTIES	3.00 to 4.00
	RICHMOND.....	3.00 to 20.00	GARDENIAS, per doz.....	1.00 to 6.00
	Mme. Abel Chateauy	3.00 to 10.00	LILAC, per bunch.....	.75 to 1.00
	ADIANTUM .....	.50 to .75	LILIES.....	6.00 to 10.00
	CROWNEANUM	1.00 to 1.50	LILY OF THE VALLEY	1.00 to 3.00
	ASPARAGUS	25.00 to 50.00	MIGNONETTE	3.00 to 6.00
	Plumosus, bunches.....	12.00 to 15.00	NARCISSUS (Paper White)	1.00 to 1.50
	Sprengerl, bunches.....	12.00 to 15.00	Yellow	2.00 to 3.00
	CALLAS	8.00 to 12.00	SMILAX	8.00 to 12.00
	CATTLEANS	25.00 to 40.00	VIOLETS.....	.35 to .75
	CHRYSIDEMUMS.....	6.00 to 10.00	CORN FLOWERS.....	.50 to 1.50
	DAISIES.....	2.00 to 3.00	HYACINTHS, ROMAN	5.00 to 1.00
			SWEET PEAS (per doz. bunches)	1.00 to 1.50
			TULIPS	1.00 to 3.00

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Liberty, Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square
JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE
CUT FLOWERS AT WHOLESALE



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VIOLETS Carnations and Roses
Shipping orders receive prompt attention.
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44 West 28th Street, New York and Cut Flower Exchange
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Samuel A. Woodrow
WHOLESALE PLANTSMAN
Out of town orders promptly attended to
53 West 30th St., NEW YORK
Telephone, 2083 Madison

THOMAS YOUNG, Jr.
Wholesale Florist
41 West 28th Street, NEW YORK
Telephone, 1803 Madison Square
Consignments of Choice Flowers solicited

Boston. The Week's News.

The first lecture of the season of the Massachusetts Horticultural Society was held on Saturday and was well attended. The subject was "The Concord Grape" by Wilfrid Wheeler, who handled it well, giving an account of early grape growing in Massachusetts and the gardens of E. W. Bull, the raiser of this fine variety.

Mrs. Lydia B. Manning, widow of Jacob W. Manning, died at her home in Reading, Mass., on the 9th inst. after a short illness.

Mrs. George Cartwright has gone to Los Angeles, Cal., to visit her son, who is a resident of that city.

A. H. Hayden of Marblehead suffered the loss of his entire greenhouse plant on the 5th inst. from fire; all his stock was destroyed and, unfortunately, he carried no insurance.

N. F. McCarthy lost a valuable horse from blood poisoning last week.

Mrs. William Sim has been on the sick list for the past two weeks and has been compelled to go away for a complete rest for some time.

H. M. Robinson & Company have on hand an extra fine grade of bronze galax this season. In their cut flower department they are handling quantities of lily of the valley of which they have an extra fine grade.

W. S. Manning, general superintendent of parks, Baltimore, Md., was in town this week attending the funeral of his mother. J. W. D.

PITTSBURGH, PA. The Pittsburg and Allegheny Gardeners and Florists' Club will conduct a competitive display of cut flowers and plants between members on February 4 in the German Benevolent Union Building, Sixth avenue. If it meets with success it will be made a semi-annual public event.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

NEW ROSE, MRS. JARDINE. For March delivery. **VALLEY.** Extra choice \$4.00 per 100, \$30.00 per 1000.
Price, 2 1/2 in. pots, \$30.00 per 100; \$70.00 per 250; \$250.00 per 1000. Grafted Stock add \$5.00 per 100. **BOXWOOD.** \$15.00 per 100 lbs.

1608 to 1620 LUDLOW STREET Store open 7.30 A. M. to 8 P. M.

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PITTSBURG CUT FLOWER CO. Ltd.
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Chrysanthemums, Roses, Carnations, Lilies, Violets, Valley, Asparagus and Simlax

Headquarters in WESTERN NEW YORK
For Roses, Carnations
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Wholesale Commission Florists
Dealers in Florists' Supplies and Wire Designs
383-87 Ellicott St. BUFFALO, N. Y.
Give us a trial. We can please you.

Wholesale Prices of Cut Flowers—Per 100

Boston Jan. 14, 1908	Buffalo Jan. 6, 1908	Detroit Jan. 12, 1908	Cincinnati Jan. 11, 1908	Baltimore Jan. 13, 1908	Milwaukee Jan. 13, 1908	Philadelphia Jan. 14, 1908	Pittsburg Jan. 13, 1908	St. Louis Jan. 13, 1908
20.00 to 50.00	to 50.00	to 40.00	to 40.00	20.00 to 25.00	20.00 to 25.00	50.00 to 60.00	40.00 to 50.00	to 25.00
10.00 to 20.00	to 40.00	30.00 to 40.00	to 30.00	15.00 to 20.00	15.00 to 18.00	40.00 to 50.00	20.00 to 30.00	15.00 to 20.00
4.00 to 10.00	to 15.00	25.00 to 30.00	10.00 to 15.00	8.00 to 10.00	10.00 to 12.50	20.00 to 30.00	10.00 to 15.00	6.00 to 10.00
2.00 to 4.00	5.00 to 10.00	6.00 to 15.00	4.00 to 6.00	3.00 to 8.00	4.00 to 6.00	5.00 to 15.00	to 3.00	3.00 to 5.00
8.00 to 10.00	10.00 to 1.00	8.00 to 10.00	to 8.00	6.00 to 7.00	to 8.00	15.00 to 18.00	to 15.00	8.00 to 10.00
6.00 to 8.00	8.00 to 10.00	6.00 to 8.00	6.00 to 7.00	5.00 to 6.00	to 6.00	12.00 to 15.00	to 12.00	5.00 to 6.00
4.00 to 6.00	6.00 to 8.00	4.00 to 6.00	to 5.00	4.00 to 5.00	to 4.00	8.00 to 10.00	4.00 to 6.00	to 4.00
1.00 to 4.00	4.00 to 6.00	to 4.00	to 4.00	2.00 to 3.00	to 2.00	5.00 to 8.00	4.00 to 6.00	to 4.00
to 4.00	to 10.00	to 4.00	to 8.00	to 3.00	to 3.00	6.00 to 10.00	4.00 to 6.00	to 4.00
to 5.00	to 7.00	to 5.00	to 10.00	to 8.00	to 8.00	5.00 to 10.00	to 5.00	to 5.00
to 35.00	to 50.00	to 35.00	to 50.00	to 1.00	to 1.25	to 50.00	to 60.00	to 6.00
to 2.00	to 3.00	to 2.00	to 4.00	to 3.00	to 1.25	to 1.00	to 1.50	to 2.00
to 2.00	to 3.00	to 2.00	to 4.00	to 3.00	to 1.25	to 3.00	to 4.00	to 3.00
to 2.00	to 3.00	to 2.00	to 4.00	to 3.00	to 1.25	to 2.00	to 3.00	to 1.50
to 2.00	to 3.00	to 2.00	to 4.00	to 3.00	to 1.25	to 4.00	to 5.00	to 3.00
to 3.00	to 5.00	to 4.00	to 7.00	to 4.00	to 1.50	to 4.00	to 5.00	to 4.00
to 3.00	to 5.00	to 4.00	to 7.00	to 4.00	to 1.50	to 4.00	to 5.00	to 4.00
to 3.00	to 5.00	to 4.00	to 7.00	to 4.00	to 1.50	to 4.00	to 5.00	to 4.00
to 6.00	to 7.00	to 5.00	to 7.00	to 5.00	to 2.00	to 4.00	to 5.00	to 4.00
to .75	to 1.00	to 1.00	to 1.50	to 1.00	to .50	to 1.00	to 1.25	to 1.50
to 50.00	to 50.00	to 30.00	to 50.00	to 50.00	to 40.00	to 50.00	to 50.00	to 40.00
to 50.00	to 50.00	to 30.00	to 50.00	to 35.00	to 10.00	to 20.00	to 25.00	to 40.00
to 8.00	to 12.00	to 12.50	to 15.00	to 10.00	to 10.00	to 15.00	to 12.00	to 12.50
to 15.00	to 20.00	to 20.00	to 25.00	to 15.00	to 10.00	to 15.00	to 12.00	to 12.50
to 15.00	to 20.00	to 20.00	to 25.00	to 15.00	to 10.00	to 15.00	to 12.00	to 12.50
to .35	to .75	to 1.25	to 1.50	to .50	to 1.00	to 1.50	to 2.00	to 2.50
to .35	to .75	to 1.25	to 1.50	to .50	to 1.00	to 1.50	to 2.00	to 2.50
to .35	to .75	to 1.25	to 1.50	to .50	to 1.00	to 1.50	to 2.00	to 2.50

Washington, D. C.

Trade Notes.
Business has continued brisk on all sides; society dinners, marriages and banquets, with no small amount of funeral work, have kept the local trade busy. There is still a scarcity of home grown stock, but mild temperatures and daily increased sunshine are bringing on many buds.
The American Carnation Society opens its exhibition in the National Rifle's Armory on G street, January 28, to continue during January 29 and 30. At the last monthly meeting of the Florists' Club of Washington the following gentlemen were selected to take charge of the banquet on January 30, which will be held at Chas. Rauscher's, Connecticut avenue and L streets, N. W.; Peter Bisset, Geo. H. Cooke, Geo. C. Shaffer, John Robertson, Wm. F. Gude, P. C. Kramer and Charles McCanley. A large number of flowers are expected to be on exhibition; and with the above named committee in charge an excellent time is pretty well assured on the evening of the 30th. JAS. L. CARRERY.

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Asparagus Plumosus
Killarney's
Richmonds
Brides, Maids
American Beauties
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WHOLESALE FLORISTS
1517 SANSOM STREET
High Grade Cut Flowers
Store opens at 7.30 A. M. Closes at 8 P. M.

NEW HAVEN, CONN.—At a recent meeting of the New Haven (Conn.) Horticultural Society the following officers were elected: President, John H. Murray; vice-president, Frank Duffy; treasurer, David Kydd; secretary, Walter Koella. The board of managers chosen are Thomas Pettit, Robert Paton, James Moore, James Bruce and Ernest Carrol. The report of the treasurer showed a very encouraging financial condition. A report was received from the committee which had charge of the last flower show, making it apparent that this exhibition was the most successful, from a financial standpoint, which has ever been held by the society. A syllabus will be made up at the next meeting of the speakers who will read essays at the coming meetings of the Winter.

January, 18, 1908.

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DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS

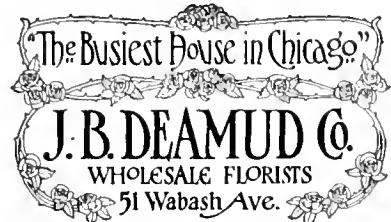
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and FLORISTS SUPPLIES

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All Leading Varieties of
Roses and Carnations
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Wholesale Cut Flowers
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Headquarters for American Beauty Rose

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Send us your Orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
Florists, St. Paul, Minn.

Could Have Sold More
OUR advertisement in The Florists' Exchange has brought us a great many orders from all parts of the country, and we have sold all our cyclamens that were ready.

Dec. 17, 1907 RALSTON BROS.,
Allenhurst, N. J.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS
and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS

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Phone, MAIN 874. P. O. Box 103

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations WHOLESALE CUT FLOWERS
A Specialty GROWER of

Wholesale Prices of Cut Flowers, Chicago, Jan. 15th, 1908

Prices quoted are by the hundred unless otherwise noted

ROSES		CARNATIONS	
American Beauty		STANDARD VARIETIES	
36-inch stems.....per doz.	2.00 to 3.00	White.....	2.00 to 3.00
30-inch stems....."	1.50 to 2.00	Pink.....	2.00 to 3.00
24-inch stems....."	1.00 to 2.00	Red.....	2.00 to 3.00
20-inch stems....."	1.00 to 1.25	Yellow & var.	2.00 to 3.00
18-inch stems....."	1.00 to 1.00	*FANCY	White.....
12-inch stems....."	1.00 to 1.50	The highest	PHK.....
8-inch stems and shorts "	1.00 to 1.50	grades of standard	Red.....
Bride Maid, fancy special...	10.00 to 12.00	varieties.	Yellow & var.
" extra.....	8.00		3.00 to 4.00
No. 1.....	1.00	NOVELTIES	3.00 to 4.00
No. 2.....	3.00	LILIES, HARTISIL.....	10.00 to 12.50
Golden Gate.....	6.00 to 10.00	SAULX.....	10.00 to 12.00
Uncle John.....	6.00 to 10.00	LILY OF THE VALLEY.....	1.50 to 3.00
Liberty.....	6.00 to 10.00	HARDY FERNS per 1000.....	1.00 to 2.00
Richmond.....	10 to 15.00	ALAN (green).....	1.00 to 1.00
Killarney.....	4.00 to 10.00	(bronze).....	1.00 to 1.00
" extra.....	12.00 to 15.00	MIGNONETTE.....	1.00 to 2.00
Perle.....	1.00 to 10.00	VIOLETS, double New York.....	.25 to .75
Chatenay.....	1.00 to 10.00	" local double.....	.50
K. A. Victoria.....	4.00 to 10.00	" single.....	.25 to .75
Mrs. Marshall Field.....	1.00 to 1.00	NABUSSUS.....	2.00 to 3.00
ADRIANTUM.....	1.00 to 1.50	ROMANS.....	2.00 to 3.00
ASPARAGUS, Plum & Ten.....	.35 to .50	POINSETTIAS, per doz.....	1.00 to 3.00
" Springeri, bunches.....	.35 to .50	STEVIA.....	1.00 to 1.50
Orchids—Cattleyas.....	30.00 to 50.00	CYTRIPEDIUMS.....	1.00 to 1.50
" ".....	10	TULIPS.....	3.00 to 5.00
" ".....	10		
" ".....	10		

Violets
Vaughan & Sperry
58-60 Wabash Avenue
CHICAGO, ILL.

Chicago.
News Notes.
The Voters League of Chicago has officially paid tribute to the honor of Peter Reinberg, the well-known florist, mentioning him as one of the city's aldermen whose integrity is beyond question.
Harry A. Bayersdorfer and Mrs. Bayersdorfer of Philadelphia have been spending a few days in this city, on their way to the Pacific Coast.
Paul and Henry Daileouze of Flatbush, New York, are registered at the Palmer House, and are busy visiting the carnation growers in this district. On Monday they visited the establishment of Jensen & Dekema to see Defiance in its glory.
E. F. Winterson is back at his post after a week's attack of the grippe, but is much concerned for Mrs. Winterson, who has a serious attack of the same malady.
F. J. Farney of the A. L. Randall Company has started out on a three months' trip.
C. B. Knickman, representing McHutchison & Company, importers, New York, is in town for a few days.
A. Irason, florist at 588 East Forty-third street, is receiving the sympathy of the trade on the death of his mother. He has left the city, accompanying the body to Dallas, Tex., where interment is to take place on Thursday.

CHAS. W. MCKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS and
all CUT FLOWERS and GREENS
51 Wabash Ave., Chicago

A. L. RANDALL CO.
Western Headquarters for
Up-to-Date Florists' Supplies
Write for Catalogue
Nos. 19-21 RANDOLPH ST., CHICAGO

St. Louis.
Florists' Club Meeting.
The first meeting of the club in the new year was held Thursday afternoon, January 9, at 2 o'clock, in the meeting rooms, 810 Olive street, and was largely attended, over thirty members being present, also a number of visitors. President William C. Young, who has been laid up with a bad case of grippe since New Year's, was on hand, and presided over the meeting in his usual happy manner. The trustees reported that they could not agree on the entertainment question.
The pottery committee, through Chairman Sanders, made a long report of what had been done at the meetings. After a lengthy discussion it was voted to put a subscription list in circulation, and over \$1,500 was subscribed at once. It was also decided that the list be open to all florists until May 15, by that time \$10,000 must be subscribed to organize a stock company to operate a pottery. Should this fail, the proposition will be dropped. The subscription list is in the hands of Chairman Sanders.
It was decided to hold our annual carnation meeting next month in the club's rooms; growers of new varieties will be asked to send some of their novelties for exhibition. The meeting will be held February 13.

J. E. Ammann of Edwardsville invited the members to attend the meeting of the Illinois Florists' Association, which takes place at Springfield, Ill., Tuesday, February 18. A good delegation has promised to go.

News Notes.
The St. Louis Horticultural Society recently held its annual meeting at the Mercantile Club. The society proposes to hold a Spring show in March.
L. Baumann, Chicago, was calling on the local trade the past week in the interests of florists' supplies. Mr. Baumann is meeting with good results on this trip.
F. J. Brown, proprietor of the Jefferson Floral Company, located at Jefferson City, Mo., was also a caller the past week. Mr. Brown has met with great success since locating in Jefferson City, having built quite a plant and will this Spring put up a few new houses. Some of these will be 200 feet and two 100 feet long. The company has just closed a \$4,000 contract for landscape work on which they will start at once. Their cut flower trade for the holidays was large.

John Burke was working overtime the past week with funeral orders. A very pretty carnation window display, including the last of the season's chrysanthemums, was seen.
Anyone wishing to subscribe for stock in connection with the proposed pottery can do so by calling at any of the four wholesale houses that have subscription blanks. After May 15 all will be taken up. For information regarding same, call up C. C. Sanders, who is chairman of the committee.

Our seedsmen, C. Young & Sons Company, St. Louis Seed Company, Plant Seed Company, Schisler-Corneli Seed Company are all making large preparations for a big Spring seed and plant trade.
Charles Schoenle's many friends will be glad to learn that his wife has recovered from her recent illness and will be at the store again next week.
Our four wholesalers, Messrs. Kuehn, Smith, Berning and Augermuller, say that stock was never more plentiful than it has been the past week, with prices on all grades away down. The best grades did not bring any more than the usual run of poor stock, so the second and third grades suffered greatly. The demand, too, was not nearly what it should be at this time of the year. White stock is moving better than colored.
ST. PATRICK.

ATLANTA, GA. A new company has been organized in Atlanta, composed of prominent Atlantans, who intend to engage in the business of planting citrus fruit groves, including oranges, lemons and grapefruit, in Cuba, and in addition the culture of the cassava plant for the manufacture of starch, glucose, tapioca and like products. Following are the officers: H. L. Collier, president; Dr. W. P. Nielson, vice-president; H. H. Cabaniss, secretary; Dr. J. H. Bradford, treasurer, and E. V. Carter, counsel.
J. H. PEPPER.

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Hardy Cut Dagger and Fancy Ferns, A No. 1 quality, \$1.00 per 1000.
New Crop Green Galax, \$1.00 per 1000; \$7.50 per 10,000.
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Laurel Festooning, 6c. per yd.
Branch Laurel, 50c. per bunch
Sphagnum Moss, 50c. per bag, 5 bags \$2.00.



Florists' Supply List on Application.



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10,000, \$1.75; 50,000 \$7.50

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Samples free. For sale by dealers.

New York.

The Week's News.

Many comments are heard these days about the unsatisfactory business conditions prevailing in all branches of the florist trade in the city. This is certainly going to be a season that will compare very unfavorably with several past years, and the burden will, no doubt, fall harder upon growers than it will on either wholesalers or retailers, as the cost of production is the same whether the product is sold at a profitable figure or not. However, if we are to believe the signs of the times, we have seen the worst of the business depression, and perhaps by Easter time the financial scare will have entirely disappeared and the public at large will be buying flowers as heretofore. Let us hope so, at least.

William Adams, florist, Great Neck, N. Y., died at his home there on January 2, 1908. He had been in business for many years, and was much respected by all who knew him.

P. T. Barnes, formerly on the staff of the Garden Magazine, is now with Suburban Life.

J. Hogan, Gravesend, N. Y., has sold his greenhouse establishment to Frank Manker, who has taken possession of the same.

The schedules in bankruptcy of J. M. Hodgson, florist, incorporated, of 718 Fifth avenue and Newport, R. I., show liabilities of \$26,480 and nominal assets of \$7,524, consisting of stock and fixtures, \$1,668; accounts, \$5,784; cash, \$22; wagon, \$50. The corporation owes \$15,760 to New York creditors and \$10,720 to Newport creditors. There are 170 creditors, among whom are the estate of J. M. Hodgson, \$2,290; C. F. Hodgson, \$1,224; A. W. Spalding, \$1,758; Mrs. Sarah Frances Spalding, \$1,806; A. J. Guttman, \$1,300; J. I. Raynor, \$1,412; and the Fifth avenue bank, \$300. There is due \$856 to employees for wages.

J. Cassidy, designer and builder of greenhouses, has changed his address from 6 Van Houten avenue, Jersey City, to Summer avenue and Erie railroad, Newark, N. J.

Among the guests at the marriage of A. A. Tharp to Miss Brenningger, which took place at Bedford Station on Wednesday, January 8, were Mr. and Mrs. John Nash of this city.

The ninth annual dinner of the Tarrytown Horticultural Society was held on Wednesday evening, the 15th inst., at the Florence Hotel, Tarrytown, N. Y.

Paul and Henry Daillouze have been spending two weeks in a tour of the West. They called at Cincinnati, Richmond, Chicago and other points, and are expected home in a day or two.

The convention of the American Carnation Society, which is to be held at Washington, D. C., January 28 to 30, 1908, should attract quite a crowd from this city, as the journey is a short one and there are a great many carnation enthusiasts in this neighborhood.

The largest social event for a number of years will be held in this city on the 27th inst., when the marriage of

Miss Vanderbilt takes place. We understand that the floral decorations for this affair have been placed in the hands of Wadley & Snythe, and it goes without saying that this firm will do full justice to them and put up as fine decorative work as is possible.

Visitors at the club meeting on Monday night were W. P. Craig and S. S. Skidelsky, Philadelphia; and A. Farenwald, Hillside, Pa.

Oswego, N. Y.

W. D. Stewart has completed a new house, 125x45 feet. It is a handsome structure and gives more room and facilities to carry on the business. The front end facing Cayuga street is used for an office. Mr. Stewart reports business good.

Mr. Workman has recently opened a city store that is in charge of his daughter; he finds it a paying undertaking.

P. G. Campbell reports business good. He was the first of the Oswego florists to make the venture of starting a city store and found it a paying investment from the start. Mr. Campbell is about to go into the seed business for which he is preparing his store. He will issue a small seed catalogue to begin with. On account of some repairing in the store the entire Christmas stock of plants was set in a vacant space between the store front and the sidewalk—solanums, palms, hyacinths, narcissus, primroses and araucarias made a fine show against a background of snow. The thermometer was 50 degrees in the shade; this was in Oswego and on December 25, a condition unusual for that section at that time of the year.

J. M.

Why Adam Ate the Apple.

At a recent banquet of horticulturists from all parts of the state, Eugene Secor of Forest City, Ia., banker, politician, legislator, poet, philosopher and horticulturist, recently told why Adam ate the apple. For the benefit of the horticulturists the prominent Iowa man put his thoughts in poetry. While he lands the value of the apple, it was not the fruit itself that appealed to Adam, for he had often seen it before. He says it was not a mark of weakness on the part of Adam not to refuse the fruit tendered by Eve. He said it was just what would happen to-day if there were perfect husbands and wives.

"I maintain that Adam was a model husband," he said. "He was the best of his time. It was a pleasure to comply with Eve's every wish. The honeymoon had not yet gone down on their matrimonial horizon, nor had it been obscured by a single passing conjugal cloud. He accepted her offerings with joy and in a spirit of loyal devotion characteristic of the newly wed. He didn't argue the matter. I don't suppose the word obey was in their marriage vows. She to him was the best woman on earth and he to her the only perfect man."

"'Tis said that Eve was fair and sweet. Her cheeks were like red roses When she induced her spouse to eat The fruit prescribed by Moses.

"Her voice was like a thrush's song. Her smile was most bewitching. Her easy grace the whole day long Kept Adam's heart a-twitching.

"Her temper was a model one— Was ever such another? She never sulked or longed to run And tell her biased mother.

"Would you have said 'No, thank you, dear,' If such a charming woman, Had offered you some tempting cheer— Some lurement of good omen?"

"Her gentle art first found the way Where knowledge dallied, sleeping; She was the first in Adam's day To practice light housekeeping.

"Don't censure Adam, he showed sense In bending to Eve's wishes. He saved his young bride some expense In labor, washing dishes."

New Crop Green Galax

10,000 lots, 75c. Bronze Galax, \$1.00 per 1000. Fancy or Dagger Ferns, \$1.00 per 1000. Laurel Festooning, 4c., 5c. and 6c. per yard. Can fill all orders promptly and of the highest quality. Laurel Branches, 30c. per large bundle. Extra fine Boxwood now ready. Pine, \$7.00 per 100. Sphagnum Moss, 50c. per sack. Laurel and Pine Wreaths.

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FANCY and DAGGER. Extra fine, \$1.50 per 1000. BRONZE and GREEN GALAX, \$1.25 per 1000, \$7.50 per 10,000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. BOXWOOD, per bunch, 3c., 50 lbs., \$7.50. FANCY and DAGGER FERN our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

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Pittsburg.

Trade and News Notes.

Trade since the new year began has been fairly good; funeral work is very plentiful, the unseasonable weather which prevails causing many deaths, and some large and costly floral pieces were ordered for the funerals of several prominent citizens. Flowers are not any too abundant and prices hold up well; even bulbous stock is pretty well used up. Lilacs and sweet peas are in fair demand. We are now getting the first real wintry spell of weather, plenty of snow and quite cold; the thermometer dropped as low as 10 degrees above zero, the lowest so far this winter.

B. L. Elliott, who was manager on J. Bader's place the past season, has gone to California with his wife and expects to stay there for some time.

E. C. Ludwig was confined to the house for a week with a bad cold and ear troubles. Mr. Ludwig and family expect to leave for a visit to California at the end of this month where his son is spending the winter. All will return home before the Easter trade opens up.

D. A. Malie, a prominent florist in the North Side market, narrowly escaped death by asphyxiation last week. The gas fumes from the furnace came into his sleeping room, and had it not been for his sister who discovered his condition in time he would probably have succumbed; as it was, he was not able to leave the house for several days.

The meeting of the American Carnation Society in Washington will be well attended from our vicinity; about 8 or 10 members expect to go.

The January meeting of the Florists' Club was not so well attended as it should have been, but the inclement weather kept away many who missed a fine show and a good meeting. Nomination of officers resulted in a change of the presidency; Mr. Jones refused another term and Fred. Burki was named; for treasurer H. L. Blind takes Mr. Burki's place; and I. S. Crall, Monogahela, takes Mr. Burki's place on the executive committee. Otherwise the officers are the same as last year. The secretary was instructed to write to the secretary of the American Carnation Society that Pittsburg was willing to have the next meeting of the society in 1909.

The exhibits were as follows: From E. G. Hill Company, Richmond, Ind., Rhen Reid and Princess roses, White Enchantress, Sarah Hill and Afterglow carnations—a fine exhibit. Poehlmann Brothers Company, Chicago, Ill., showed some fine long stemmed Mrs. Potter Palmer roses. The popular new rose Mrs. Jardine came from Philadelphia growers. The Bakerstown Rose and Carnation Company, through Mr. Burki, staged Richmond, Killarney, Bridesmaid, Bride, Mme. Abel Chatenay, Perle des Jardins, Bon Silene and several other roses, making a fine exhibit. Mr. Meischke, Castle Shannon, showed a nice lot of assorted roses and Dr. Shafer a few cypripediums.

The next meeting in February will be carnation night and prizes will be awarded to the best grown on commercial and private places. The committees appointed are getting up a list for competition which will be announced in good time; and we hope this competitive display will prove a good feature for the Florists' Club, as it is the intention to hold several more of these throughout the year. E. C. REINEMAN.

Cincinnati.

Trade and News Notes.

Business remains medium, and stock received daily moves off nicely at fair prices. American Beauty roses are slower to move than the balance of the rose family. Carnations clean up daily at satisfactory values.

E. G. Gillett, wholesale florist, will move on January 22 to 114 East Third street in the Masonic Temple Building, where better quarters have been secured.

The next great event to take place in horticultural circles will be the meeting of the American Carnation Society at Washington, D. C., January 28 to 30, inclusive, in connection with the American Breeders' Association. I do not doubt that we shall be well received and that the meeting will be a good one; at least, we hope so. It is to the interest of every carnation grower, big or little, to become a member and attend these annual meetings. Make up your mind now to go to Washington, D. C.—a city itself well worth a trip to see.



THE WHILLDIN POTTERY COMPANY THE LARGEST MANUFACTURERS OF STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

The financial crisis seems to have about spent its force. Very little script is now in circulation; collections seem easier, and people are once more resuming business with confidence. The florists appear to fare better than other lines of trade, and we hope business will continue to improve.

J. T. Herdegen, Aurora, Ind., was a caller on the 10th, and Henry Lodder, Hamilton, O., on the 9th; both report a good substantial Christmas trade.

Frances E. Linfoot, wife of Joseph Linfoot, College Hill, O., died at their residence at 1:20 p. m., Saturday, January 11, 1908, aged 60 years. The funeral took place on January 14 at 2 p. m. In the loss of his wife Joseph Linfoot, who is one of our esteemed florists, has the sympathy of the craft in this vicinity.

Trimble McCullough, son of J. Charles McCullough, was married recently to a young lady in California. The happy event took place while his father was out visiting him, and during this visit, Mr. McCullough and son ran over into Mexico on a little hunting expedition, bagging six hundred quail in six days, which shows that both are pretty handy with their guns.

William Cunningham, florist, whose place of business is on Ludlow avenue, Clifton, died January 12, 1908. He was one of the old-time craftsmen in Cincinnati. A widow and several children are left to mourn his loss.

Mrs. Gus. Adrian is quite sick, having undergone an operation which was not altogether a success; we sincerely hope she will soon recover.

Quite a number are suffering from la grippe, but so far I have heard of no serious results among the craft.

E. G. G

Cleveland.

Trade News.

The mild weather prevailing has increased all kinds of stock about 50 per cent. Carnations, violets, Roman hyacinths, and Paper White narcissus have slumped. Roses have held up in price better than other flowers. Longiflorum lilies and callas are rather scarce in this market and find ready sale.

Miss Louise Kline Miller, curator of Public School Gardens, intends to report a number of new ideas to the Director of Schools, Charles Orr, relative to improved gardening for the coming Spring. Simon Anderson is sending in about the finest Rose Pink Enchantress seen in this market for some time.

It is a treat to visit the plant of the Cleveland Cut Flower Company on Eddy road, East Cleveland, and see the fine shape in which the place is kept. President Buy Bate is a very earnest and diligent seeker after things horticultural and his knowledge is put to practical use, and where he can give it his personal attention.

That Cleveland is fast becoming a great wholesale flower center is shown by the number of new faces seen about the wholesale stores.

The F. R. Williams Company is sending in some very fine sweet peas, and W. J. Kramer a lot of very good Mrs. Lawson carnations. O. G.

Providence, R. I.

News Notes.

Tuesday, January 7, was inauguration day for the Governor, House of Representatives, Senators, High Sheriff, Secretary of State, as well as minor State officers, and was the occasion of another great display of floral designs and bunches of flowers. The State Capitol was very profusely decorated with palms and other plants.

William Hay is just recovering from a bad attack of erysipelas. Mr. Hay has commenced the building of his new plant at Oaklawn, R. I. He has broken ground for the construction of a new rose house, 300x43 feet.

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Cattle Manure In Bags Shredded or Pulverized. Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices. The Pulverized Manure Co., 34 Union Stock Yards, Chicago.

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SHEEP MANURE

Pulverized. Free from all Adulteration

In Bag, \$18.00 per Ton.

ROBERT SIMPSON, CLIFTON, N. J.

John Macrae has just recovered from a severe attack of the grippe.

Johnston Brothers have put a new up-to-date delivery wagon on the road, designed by Wm. Le Lachen.

John Burke, William Hay's foreman and salesman, is threatened with appendicitis, but continues at his post. G. A. J.

Newport, R. I.

Horticultural Society Annual Ball.

The annual ball of the Newport Horticultural Society was held Wednesday evening, January 8. A great many tickets were sold, more perhaps than for any like event held previously. Masonic Hall was well filled with dancers. The decorations were a revelation to all who had not a hand in their arrangement. The ceiling was gracefully covered and draped with Southern smilax, out of which peeped myriads of electric lights; the side walls were gorgeously draped with American flags relieved here and there with greens. The stage was artistically beautiful with palms and other choice plants. Taken all in all it was the most effective ball decoration seen in Newport in a long time. John T. Allan led the grand march with becoming accomplishment and dignity. His partner was Mrs. William Allan. Mr. Allan was ably assisted all through the evening by Mr. Conzlin and the rest of the committee. The ball was a decided success financially as well as in every other way. M



Standard Flower Pots

Packed in small, crates easy to handle. Price per crate

Table with 2 columns: Price per crate, Price per pot. Rows include 1200 2 1/2 in. pots in crate, 1200 7 in. pots in crate, 60 8 in. HAND MADE, 48 9 in. pots in crate, 24 11 in., 24 12 in., 12 14 in., 6 16 in.

Seed pans, same price as pots. Send for price list of cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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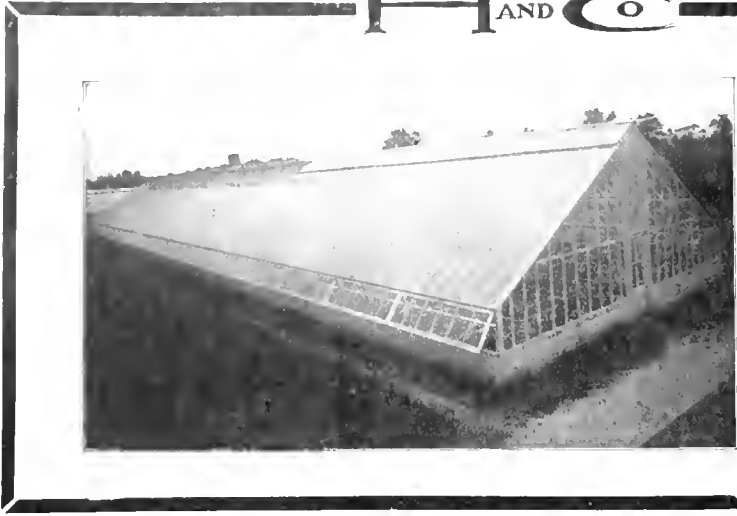
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Rochester, N. Y.

Trade Notes.

Now that this city has passed into its new era—that of being among the first class cities—we hope that with the greater developments in store for us a new era shall arrive in the florists' business. That the growth has immediately shown itself is evident in the fact of three new stores being opened here. Mr. Smith, Main street; Mr. Darling, West Main street, H. Brush, Clinton street; also that Thos. Cogger has leased a fine store corner Main and North streets; making a more desirable location than formerly.

Referring to the New Year's business, there seemed to be no let up in the orders, the Main street stores not being able to close until evening. A very large number of floral pieces and baskets were made up for the incoming Mayor and other officers, noticeable being the large number of special American Beauty, and violets by the hundreds. A number of Bon Silene roses and violet bouquets were used, these two making a very pleasing and acceptable combination.

Early French daffodils were in the market at New Year's, and their availability at that time was a pleasant addition to the cut flower trade. At \$4 per 100 these sold quickly and since the introduction of early tulips, the bulbous flower stock has started on its season with a good demand. La Reine and other tulips bring \$3 to \$5 per 100, Lily of the valley sells well. Carnations bring \$2.50 to \$4 per 100; roses, \$4 to \$10.

Azaleas are slow in coming into bloom although this is perhaps as well, as business is not so brisk in the plant line.

The city seems to be in the throes of the grippe, and numbers of people are forced to stay home from business. Numerous deaths have occurred.

LUCKNEY.

Detroit.

Trade Notes.

At present we are laboring under the influence of that yearly recurring quiet spell after the holidays. Stock is not coming in very fast although the weather was extremely bright and of a Spring-like temperature. Later we had a heavy rain which turned into snow.

Looking around among the principal growers at Mr. Clements we find some very good crops of roses, violets and carnations for the near future. John Breitmeyer's Sons are busy grafting roses to the number of 30,000 for this year's planting. Many of the standard carnations will not be propagated, but new varieties, such as Winsor and White Enchantress, will be very prominent in the propagating bench. La Detroit is still the local favorite for a Winter-blooming pink rose and more than ever will be benched this season.

Considering that we have only about six stores that depend on the wholesale business for supply it is interesting to note what a large trade can be worked up through judicious advertising and fair treatment. A few figures showing the Christmas business done by the Michigan Cut Flower Exchange, which is so ably managed by Robert Rahaly

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON,
 14 & 16 Wooster Street, New York

and his assistant, Albert Sylvester, may give an idea of the extent of its business. Christmas dealings included 20,000 carnations, 25,000 violets, 3,000 poinsettias, one-half a ton of boxwood, 250,000 fancy ferns, not to mention roses, stelia, moss wreaths and an endless lot of miscellaneous supplies. The weekly average of fancy ferns sent out by this house is 150,000. Last week was a banner one in this article; local and shipping orders called for 300,000. Their mainstay in carnations is White Enchantress; in roses, Kaiserin Augusta Victoria, La Detroit and Richmond. J. F. Sullivan has been confined to his room for a week with la grippe.

Phil. Breitmeyer is working into the night compiling his park and boulevard budget; it will be higher than ever, but Phil is a diplomat and the politicians know his value, and that is why he always gets what he needs.

Visitors: Messrs. Harry Heine and Thos. McGee, Toledo, O.; Charles Scott, representing Vaughan's Seed Store, Chicago. FRANK DANZER.

Johnstown, N. Y.

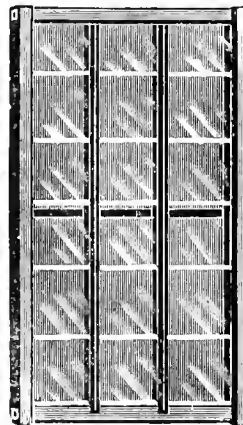
C. B. Knox has a fine range of greenhouses at this place. They were erected two years ago by the Lord & Burnham Company. The range consists of a handsome conservatory with curved roof and two wings about 100x20 feet. The benches, floors and all the inside work are of iron and concrete. The work room is of handsome hardwood finish and makes a well appointed range of the most durable qualities.

Philip Ulrich is the superintendent and combines the requirements of giving his employer a handsome conservatory and artistic home grounds in Summer, with the business end of disposing of his surplus stock at local sale, and otherwise occupies a prominent position in the local commercial market. One wing of the new range is devoted to carnations of which Mr. Ulrich has many good seedlings of his own raising. The other wing is in roses. Cold frames all filled with Easter stock were in abundance and a general line of stock for Spring planting for home use, as well as market, was all in good condition. J. M.

FIRES.

OGDEN, ILL.—A destructive fire in the greenhouses of W. L. Porter on January 3, 1908, did damage to the extent of \$3,000. The fire originated in the boiler room. There was no insurance.

MARBLEHEAD, MASS.—On January 6, 1908, fire in the greenhouse establishment of Ervin Haydon, Atlantic avenue, caused, it is thought, by a lamp having been upset by a cat, created a loss estimated at \$3,000, no insurance.

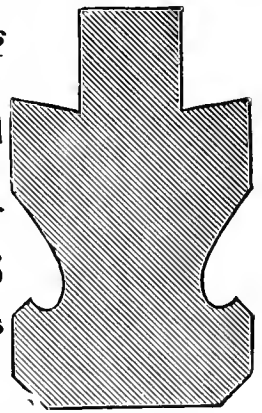


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The Wise Gardener and His Son.

My son, attend unto the voice of thy father, and forget not his words, that it may be well with thee, and that thy garden may blossom as Eden, and thy trees bend with fruit.

Beware, O my son, of the jobbing gardener, for what is he but a delusion of the multitude, and a sore snare unto them that put their trust in him?

He prepareth his ground in the Autumn as one that looketh for the Summer heat, and breaketh up the clods thereof, for he regardeth not times nor seasons.

He bluntesth his knife upon the whetstone, and saith, "Now will I prune the trees of the field." He goeth forth as an army of locusts, and after him remaineth not any green thing.

As a lion among the flocks, so raveth he among the choice seedlings. He plucketh them up by the roots, saying, "Are they not weeds?"

He poureth strong manure upon the tender plant, and lo! it is not. Then saith he, "Surely some evil beast hath devoured it."

The tender plant fadeth for lack of moisture, and there shall none be given it. Yet, the flower pot shall become a dust-heap, and the inhabitant thereof as ashes.

Again, he maketh the flower pot a standing water, and the rock plant as one that dwelleth in the marshes.

Let a hurricane from the north fall upon thy borders rather than the jobbing gardener in his zeal. He is more to be feared than seven Spring frosts.

Be wise now, therefore, O my son, and flee thou from the jobbing gardener, for he hath destroyed many gardens.—Wellington (N. Z.) Mail.

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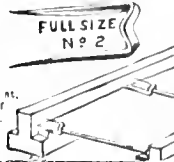
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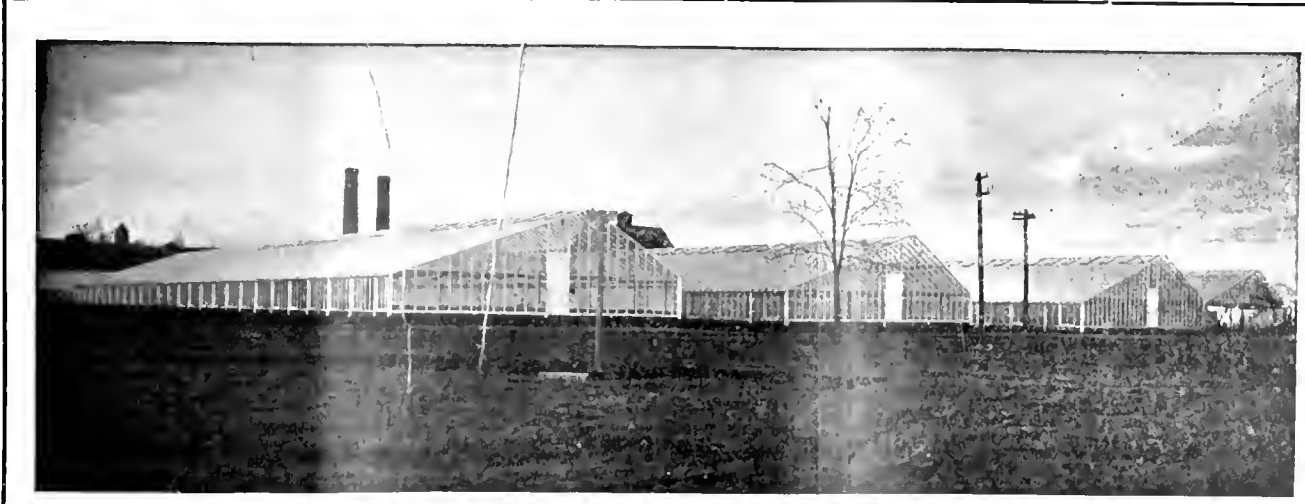
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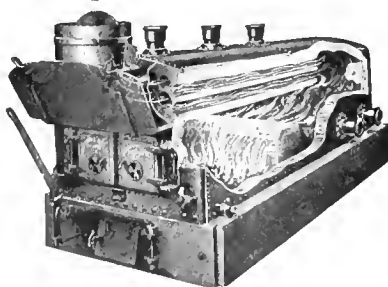
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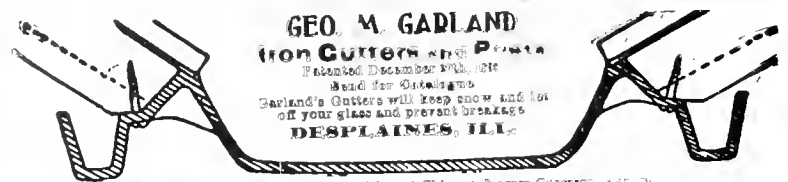
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VOL. XXV. NO. 4

NEW YORK AND CHICAGO, JANUARY 25, 1908

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Strong Rooted Cuttings

Now Ready for Delivery

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Large Heavy Strings

50 cts. each

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Little Gem, extra fine strain		.10	.35		
Bejoona, Single tuberous-rooted					
Giant mixed			.50		
Double tuberous-rooted, giant			.50		
flowered			.50		
Vernon			.30c.	.10	2.00
Luminosa, new, better than Vernon			.25		
Bellis or Double Daisy, Vaughan's mammoth mixture, 1-16 oz.			.45c.	.25	
Vaughan's Mammoth White,					
1-16 oz.			.50c.	.25	
3-oz.			.50c.	.25	
Browallia, Speciosa Major			.20	2.50	
Candytuft, Giant Hyacinth flowered			.15	.10	
3-oz.			.15c.	.10	
Celosia, Coxeomb, President Thiers			.15	1.25	
Centaura, Gymnocarpa, lb.			\$2.75	.05	.30
Cibarea, Scandens, blue, lb.			\$3.50	.10	.30
Clematis Paniculata, White, sweet scented			lb.	\$5.00	.15
1-oz.				.50	
Large-Flowering Jackmann Hybrid				.25	2.00
Dracena indica			lb.	\$2.50	.10
1000 seeds				.19	.40
Indivisa Lineata				.19	.40
Forget-me-not, Vaughan's early blooming and late flowering			3/4-oz.	.25c.	.10
1000 seeds				.75c.	
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1000 seeds				\$2.60	
Greivillea Robusta, silk oak				.10	.80
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Lobelia Crystal Palace Compacta			3/4-oz.	.25c.	.15
1-oz.				.15c.	.10
3-oz.				.15c.	.10
1-oz.				.25c.	.10
3-oz.				.25c.	.15
1-oz.				.75c.	.10
3-oz.				.75c.	.10
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3-oz.				\$1.00;	
oz.				\$6.00.	
Mimulus (Musk Plant), 3/4-oz.				.30c.	.10
1-oz.				1.00	
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3-oz.				\$5.00;	
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Vaughan's "Giant Pansy Mixture," 1/4-lb.				\$4.00;	
1-oz.				.60c.	
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Each			3-oz.	.40c.	.25
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.50					
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Torenia Fournieri, charming pot plant, velvety blue, 3/4-oz.				.40c.	.15
.15					
Fournieri Compacta, Grandiflora, 3/4-oz.				.50c.	.15
.15					
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.15					
Ballon, 1-16 oz.				.50c.	.25
.25					
Verbena, Vaughan's Best, 1/2-oz.				.02	
Mixture				\$0.25	\$0.50
\$2.00					
Mammoth, mixed,			2 oz.	\$1.70	.10
.25					
White				.15	.25
Purple				.25	.50
Pink shades				.25	.50
2.00					
Firefly, scarlet, white eye			15	.40	1.20
Striped, on red ground, fine			15	.30	1.15
Candissima, white			10	.25	.70
Defiance, brightest scarlet			10	.25	.90
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ALYSSUM, Little Gem	.10	.35
CANDYTUFT, Empress	.10	.20
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SALVIA, Splendens	.25	1.35
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Pink	40	2 50
Rose	40	2 50
Red	40	2 50
Dark Red	40	2 50
Salmon	40	2 50
Orange	40	2 50
Mixed	35	2 25
Double White	65	5 00
Yellow	65	5 00
Orange	65	5 00
Rose	65	5 00
Dark Rose	65	5 00
Dark Red	65	5 00
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	Per doz.	Per 100
Size 5x7 inch bulbs	\$0 30	\$2 00
" 7x9 " "	48	3 00
" 9x11 " "	85	6 00
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Of the following varieties we have exceptionally large and choice stock.

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America, 1st size	\$7 00	\$60 00	\$250 00
Augusta, 1st size	2 50	20 00	95 00
Brenchleyensis, 1 1/4 to 2 in. bulbs	1 50	10 00	47 50
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May, 1st size	2 00	15 00	
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Tomato, "The Don," best for forcing. Cauliflower, "First and Best." Onion, Ailsa Craig. Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spawn, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready. Free on application. Weeber & Don, SEED MERCHANTS AND GROWERS
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10% off for cash  with order on seeds

Berger's SUCCESS Flower Seeds

	Per 1/2 pkt	Per 1/4 pkt
AGERATUM, Imperial Dwarf, Blue	\$0.10	\$0.25
Blue Perfection, NEW	.15	.40
ALYSSUM, Little Gem, TRI E.	.10	.35
BEGONIA, Vernon	.25	2.00
BELLIS PERENNIS (Daisy) Snowball, white	.25	2.00
Longfellow, double, rose red	.25	2.00
CANDYTUFT, Giant White Hyacinth	.10	.25
CARNATION Marguerite, very choicest	.25	1.25
CENTAUREA Candidissima (Dusty Miller)	.25	1.00
CLEMATIS Paniculata, white, fragrant	.15	.50
COBEA Scandens, Blue	.15	.50
DAISY Shasta, Giant Hybrids from originator	.25	
FORGET-ME-NOT, Earliest Giant Victoria	.20	1.00
LOBELIA, Crystal Palace Compacta, improved	.15	1.50
Emperor William	.15	1.00
PETUNIA, Giants of California	1.32 oz. 75c	
PETUNIAS, large double, ruffled and plain, 1000 seeds	\$1.25	
PYRETHRUM, Golden Feather	.10	.30
SALVIA Bonfire	.25	2.50
Splendens, improved	.15	1.00
Fireball, NEW	1/8 oz. 75c	
STOCKS, "Cut-and-Come-Again," undoubtedly the very best paying for cut flowers		
"Princess Alice, pure white	.25	2.50
"Rose, Lilac or Purple, separate	.25	2.50
VERBENA, Mammoth Mixed	.15	1.00
Berger's "SUCCESS Mixture"	.25	2.00
In separate colors: Pure white, scarlet, purple, blue with white eye, rose, striped auricula	.15	1.00
VINCA Rosea Alba, pure white	.10	.50

FRESH FERN SPORES

Ready now.—Fresh Fern Spores, in all florists' best sorts. Per large trade packet, any sort, 35c. Small packet 20c. Send for List.

Our SUCCESS STRAIN of Tuberos Rooted BEGONIAS

Each color separate: Bright scarlet, blood red, rose	12	100	1000
blush pink, salmon, orange, canary yellow, white, separate colors	\$0.40	\$2.50	\$22.50
All colors mixed of single Tuberos-Rooted Begonias	.35	2.25	20.00
Double Tuberos-Rooted Begonias , each color separate: Pure white, canary yellow, orange, salmon, bright scarlet, crimson, brilliant rose	.65	4.00	38.00
All colors mixed, Double Tuberos-Rooted Begonias	.55	4.00	38.00

CALADIUM ESCULENTUM

5 x 7 inch circ.	12	100	1000
7 x 9 inch circ.	\$0.30	\$2.00	\$18.00
9 x 11 inch circ.	.50	3.50	30.00
FANCY-LEAVED CALADIUMS			
In most brilliant named sorts	1.50	10.00	
Named mixed	1.25	8.00	

GLADIOLI for forcing for Decoration Day

NOW is the time to plant the EARLY flowering Gladioli.

AMERICA, acknowledged the grandest rose-colored sort on the market	12	100	1000
AUGUSTA, finest cut flower, white	\$1.00	\$7.00	\$60.00
MAY, florists' favorite, white and rose	.35	2.50	20.00
BRENCHLEYENSIS, brilliant scarlet	.25	2.00	15.00
BERGER'S "SUCCESS MIXTURE," white and light	.25	1.50	10.00
	.35	2.00	15.00

Bulbs listed are all first size.

GLOXINIAS

Each color separate or to name. Pure white, red, violet, purple, spotted red with white border, blue with white border	.50	3.75	35.00
All colors mixed	.40	3.00	28.00

TUBEROSES

EXCELSIOR, Dwarf, pearl, 1 1/2 in.	.20	1.00	9.00
2 1/2 size, fine	.55	1.50	

CLEARANCE BARGAINS

We have a few cases of Spiræas, which we will sell off at sacrifice: Spiræa Japonica, Compacta multiflora, Superbe, Astilb. Floribunda. Any of these sorts, per dozen 50c., per 100 \$3.50.

SEND FOR OUR NEW SPRING CATALOGUE.

H. H. BERGER & CO., 70 Warren St., NEW YORK

PRIZE STRAIN Tuberos Rooted Begonias

SINGLE, white, yellow, scarlet, rose and crimson	per doz. 35c.	per 100, \$2.50	per 1000, \$22.00
MIXED	35c.	2.25	20.00
DOUBLE, white, yellow, scarlet, rose and crimson	60c.	4.00	38.00

Giant Flowering Gloxinias, choice mixed, \$3.50 per 100, \$2.00 per 1000

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ESTABLISHED 1802

Send for our wholesale list of seeds for Florists and Market Gardeners, ready in a few days.

GLADIOLUS PRIMULINUS

\$8.00 per doz.; \$60.00 per 100

PRIMULINUS HYBRIDS

\$3.00 per doz.; \$20.00 per 100

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33 Barclay St., through to 38 Park Place, New York.

Everything of the highest grade.



Cyclamen

Superb English Strain
Second to none in size of flowers
Giant Crimson.
Pink.
White.
White with Claret base.
Mauve.
Salmon Queen.
New Fringed.

100 seeds \$1, 1000 seeds \$9.

H. E. FISKE SEED CO. 12 and 13 Faneuil Hall Sq., BOSTON, MASS.

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THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses. All transplanted. A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500. PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

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C. C. Morse & Co. SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 54 Jackson Street. ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
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Bean, Cucumber, Tomato, Pea, Muskmelon Squash, Watermelon, Radish, Sweet Corn

Correspondence Solicited
Write for Prices on Surplus Stocks for Immediate Shipment

CHOICE GERMAN FLOWER SEEDS

Wholesale catalogue free on application.

FRED ROEMER, Seed Grower QUEDLINBURG, GERMANY

ROSES

Hybrid Perpetuals, 2 in. pots, \$30.00 per 1000.
Aude Mueller, all sizes. Prices on application.
VIBURNUM PLICATUM for transplanting, 2 in. pots, 8 to 10 inches, 13.00 per 100.
HYDRANGEA P. G., for transplanting, 8 to 10 inches, \$2.00 per 100.
DAHLIAS, large clumps, \$4.00 per 100.
MADAM PLANTIER ROSE, extra strong, own roots, \$7.00 per 100.
CRIMSON RAMBLERS, all sizes.
PRIVET and HYDRANGEA CUTTINGS. Prices on application.

THE ELIZABETH NURSERY CO. ELIZABETH, N. J.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendell, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

"PROGRESS IN LEGUME INOCULATION" is the title of Farmers' Bulletin 215 Department of Agriculture. It gives interesting accounts of results of actual experiments made.

HOLLISTER, CAL.—A. J. Pieters of the A. J. Pieters Seed Company left for the East this week, and expects to visit the seed trade in the interest of next year's contracts.

NASHVILLE, TENN.—The Nashville Seed Company is moving into the large warehouses at 215 North Market street, where it will have the exclusive use of 5,000 square feet of floor and concrete basement space. This firm has recently secured rights from the apple growers of Western New York for the sale of fancy New York State Baldwin apples in all territory south of the Ohio River. The company does an extensive business in field and garden seeds, fruits, vegetables and all the products of the farm.

CANADIAN SEED GROWERS' ASSOCIATION. The fourth convention of the Canadian Seed Growers' Association will be held at the Canadian Building, Ottawa, Ont., on February 3 and 4, 1908. The association is growing steadily in membership and is gradually coming to have a potent influence on the general agriculture of the country. The total number of members and applicants on the list at the time the work was inspected was 577. Since that time there has been a substantial increase in numbers.

LILY BULBS FROM JAPAN. A Japanese editor who has been enlightening his readers on the subject of exports of lily bulbs from Japan, and being of opinion that the bulbs were used as food in Europe and America, has been set right by Alfred Unger of Louis Boehmer & Company. According to the returns of the Department of Agriculture and Commerce the total value of the bulbs exported during 1907 reached 500,000 yen. The crop this season (1907) is expected to show some increase compared with the previous year. An increase of about 10 per cent. is expected in Kagoshima, where the lilies are cultivated in great abundance.

Mr. Unger points out that it is necessary that farmers should pay more careful attention to the culture of these bulbs, and endeavor to eliminate some undesirable and diseased types, which they deliver mixed with good types, causing great dissatisfaction among growers abroad and which will surely injure this trade in the future.

IMPORTS OF SEEDS, ETC.—January 13.—J. M. Thorburn & Company, one case seed. January 14.—Maltus & Ware, one barrel seed; Peter Henderson & Company, 44 packages grass seed; Vaughan's Seed Store, six packages seed; Weber & Don, 86 bags seed; R. P. Downing & Company, 39 bags seed; T. C. Pollock, one bag seed; A. T. Boddington, 33 bushels grass seed. January 15.—Stump & Walter Company, four cases bulbs. January 16.—L. & J. Spence & Company, 24 cases plants; Tice & Lynch, 161 packages garden seed. January 18 and 19.—H. Frank Barrow, one cask seeds; Stump & Walter Company, one barrel flower seeds.

ALFALFA IN BRAZIL.—An agriculturist in the state of Pernambuco, experimenting with alfalfa, has found that this grass will easily yield ten good crops per year in Brazil. Inasmuch as in the Argentine Republic the crop can be cut but six times per year and in Europe three or four times, it would seem that Brazil should be independent of the rest of the world for her fodder and hay. Yet in the year 1906 Brazil imported nearly \$700,000 worth of alfalfa, mostly from Argentina. The ease with which this fodder can be produced here and the high price obtainable should make it a profitable crop.

IRIS BULBS.—Protest of F. B. Vandegrift & Company, New York.—Dried iris bulbs which were classified under the provision in paragraph 251, tariff act of 1897, for "bulbs * * * which are cultivated for their flowers," are claimed to be free of duty under paragraph 548 as "drugs," or under other provisions of the free list. Assessment affirmed. The following opinion was rendered by Waite, General Appraiser * * *. The iris is a well-known flowering plant. See "Iris," International Encyclopedia. From some varieties of this plant is produced the orris root, known to the drug trade. We think, however, that the orris root of commerce is the root of the iris plant after being scraped and prepared for the trade, which destroys the germinating principle. We are unable to learn that the root in such form as imported in this case is known or dealt in by the drug trade. There is some evidence in the case which tends to show that this particular importation was brought in for the purpose of planting and raising the orris root for medicinal or drug purposes. We do not think, however, that the use of the merchandise after importation should govern. It will be noted that the language of paragraph 251 is, "which are cultivated for their flowers." We think the iris roots are cultivated for their flowers, and the fact that they may be diverted to another use can not vary the assessment upon importation, the commodity not being in shape or condition to be used as a drug or by those dealing in druggists' materials. It appears from the evidence that these plants at the time of importation were in a condition to germinate and grow. If the bulb may be used either to plant for flowering purposes or to raise a product intended for ultimate conversion into a drug, it can not be said, therefore, to be dutiable under paragraph 548.

The following view expressed by the Board in Abstract 12933 (T. D. 27636), is pertinent to this case:

Some stress is laid upon the fact that the United States Dispensary refers to asparagus as having reputed medicinal qualities and to pumpkin seed as furnishing a remedy for tapeworm, but this can not be the test. Many table vegetables, or the plants or seeds producing them, contain medicinal principles and are mentioned in the Dispensary, such as lettuce (18 ed., p. 772), celery (p. 1569), potatoes (p. 487), tomatoes (p. 488), beans (p. 1764). It would be opposed to common knowledge and sound construction to class such articles as drug unless the particular substance imported was of such variety, quality, condition, or stage of growth as to be unfit for its common use and to be adapted to the uses of the drug trade. This was true of the celery seed held to be a drug in *Clay v. Magone* (10 Fed. Rep. 230), which was not in such condition that it could be sold for planting purposes. We conceive that it might also be true of lettuce after it had reached the period of inflorescence, when it is unfit for food and yields the drug known as lactucarium (11, S. Disp., 18 ed., p. 772).

The claim that the goods are free under the provision for textile grasses

and fibers in paragraph 566 is plainly untenable, as is also the further claim under paragraph 617, which applies only to vegetable substances similar to moss and seaweed.

HEMPSTEAD, N. Y.—Mr. and Mrs. Francis Brill celebrated their golden wedding anniversary at their home, 56 Washington street, this village, on January 1, 1908. Owing to the failing health of Mrs. Brill, a formal reception was dispensed with, and the event was quietly celebrated, immediate members of the family participating.

On January 1, 1857, Francis Brill and Ann Elizabeth Macdonald, daughter of the late David Macdonald of Newark, N. J., were married, the Rev. William T. Eva, officiating. Mrs. Brill's grandfather, Robert Macdonald, was one of the early settlers of that part of Newark, N. J., known as "The Neck," and was identified with the growth and development of that thriving city. Mr. Brill is the youngest son of the late John Brill, one of the leading horticulturists of his day, who for many years conducted an extensive and thriving market garden and florist establishment in Jersey City, and later, in Newark, N. J., up to the time of his death in 1870. Here Francis Brill received that training which, combined with his executive ability, keen observation and personal experiments, in after years led to his being recognized as one of the leading seed experts in the country. In the year 1870 Mr. Brill moved with his family to Mattituck, in Suffolk County, where he established a seed farm, and largely through his efforts in developing and perfecting the cauliflower, blazed the way for the extensive cauliflower industry that has made that section of the Island famous all over the country. From Mattituck Mr. Brill went to Riverhead, and after a few years removed to Hempstead, where he has since resided, and carried on his seed business. Wherever they have resided, Mr. and Mrs. Brill have taken part in every good work for the advancement of the interests of the community, while Mr. Brill has been prominent politically, and is still interested, as a good citizen, in public affairs. In 1876, while a resident of Mattituck, Mr. Brill was elected on the Democratic ticket as a Member of Assembly from Suffolk County. For several years he served as town clerk of the town of Hempstead, in both positions serving the people's interests. Nine children have been born to Mr. and Mrs. Brill, five of whom are still living. They are Walter A. Brill, Mrs. John S. Nichols, Jr., Mrs. Louis F. Huleu and Miss Minnie A. Brill, of Hempstead, and Katharine A., who a few years ago married Walter Bodger, a member of the firm of John Bodger & Sons, extensive seed growers, of Gardena, Los Angeles County, Cal.—Hempstead (N. Y.) Inquirer.

DAHLIA ROOTS

Strong field grown, all good cut flower varieties. Also **KALMIAS** and other native plants.

J. M. BASSETT, Hammonton, N. J.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

EARLY WONDER ASTER SEED.

The only High-Grade early fancy Aster to date. In full bloom, when the market is showing color. \$2.00 per oz. postpaid.

With every order will send sample of **Hall's Aster Bug Kill-Right**. This is no experiment to others. A sure death to the Black Bug without injury to the plant or flower.

W. E. HALL, - - CLYDE, O.

Finest Lily of the VALLEY EXCELLENTA

the very finest **Valley** for particular florists, \$12.00 per 1000.

JOHN SCHEEPERS & COMPANY
4 & 6 Old Slip, NEW YORK CITY

Gregory's SEEDS

Make your planting a success by sowing good seeds. Our flower and vegetable seeds are guaranteed fresh and pure, and are sold at reasonable prices. We supply farmers who plant by the hundred acres, down to collections for the kitchen garden. We have a number of new varieties that every farmer needs. Our new potato, "**Big Crop**," produced this season on our own farms at the rate of 85 bushels per acre. Our new catalogue is an invaluable guide for all growers. It's free.

J. J. H. GREGORY & SON, MARBLEHEAD, MASS.

NEW CROP FLOWER SEEDS

Verbena Mammoth, in colors or mixed, ¼ oz. 30c., oz. \$1.00.
Salvia Splendens, ¼ oz. 35c., oz. \$1.25.
Salvia Boniire, ¼ oz. 75c., oz. \$2.50.
Lily Valley, Early Foreign, to close out, per 1000, \$11.00.
Fresh Tobacco Stems, Bale of 300 lbs. \$1.50.

W. C. BECKERT, Pittsburg, N. S., Pa.

100 LBS. TRUE ENGLISH IVY SEED

25c. package; \$5.00 lb.; 1-4 lb. at 1 lb. rates. **PLANTS**, one year old, \$2.00 per 100. Express prepaid by me.

A. MITTING
17 to 23 KENNAN ST., SANTA CRUZ, CAL.

ASPARAGUS SEED

PLUMOSUS
1000 at \$3.50 per 1000
5000 at 3.25 per 1000
10,000 at 3.00 per 1000

Maryland Grown Valley

PIPS \$5.00 per 1000
CLUMPS 6.00 per 100

Fisher Carnations

\$10.00 per 1000
THE FLORISTS' EXCHANGE, Baltimore, Md.
Franklin and St. Paul Sts.

Established 1800

POAT BROS.

BULB GROWERS
FORMERLY OF ETRICKS, VA.
GIVE NOTICE OF
CHANGE OF LOCATION
(Owing to Largely Increased Business)

All Communications Must Now be Addressed
POAT BROS., BULB GROWERS
NORTH SIDE, HIGHLAND PARK
RICHMOND, VA.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.
ARTHUR COWEE, Gladioli Specialist, MEADOWVALE FARM BERLIN, N. Y.

Stokes Standard Seeds.

I am a **MARKET GARDENER'S SEEDSMAN** Send me in your list of wants for next season you will like my stocks and my prices. Wholesale list ready.

Stokes Seed Store.
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XXX SEEDS

VERBENA, Improved Mammoth, finest grown, mixed, 1000 seeds, 25 cts.
PHLOX Drum. pumila, very dwarf, grand for pots, fine colors. Pkt. 25 cts.
HARDY PHLOX, finest large-flowering dwarf vars. mixed. Pkt. 25 cts.
ALYSIUM compactum, most dwarf and compact var. grown, perfect balls when grown in pots. Pkt. 25 cts.
PETUNIA, Star Improved, from finest marked flowers, very fine. Pkt. 25 cts.
PETUNIA, Giant Single Fringed, large and fine. Pkt. 25 cts.
CHINESE PRIMROSE, finest grown, single and double mixed. 500 seeds \$1.00; ½ pkt. 50 cts.
CINERARIA, Large-Flowering Dwarf, mixed, 1000 seeds 50 cts.
GIANT PANSY, finest grown, critically selected. 5000 seeds \$1.00; ½ pkt. 50 cts.
CYCLAMEN Giganteum, 200 seeds \$1.00.
MARGUERITE DAISY, Princess Heory, mammoth flowering, hardy, new, grand for cutting. Pkt. 25 cts.
ANTHRINUM, New Dwarf, fancy colors, exceedingly fine. Pkt. 25 cts.
SALVIA, Bonfire, finest grown, brilliant scarlet and compact, 1000 seeds 40c.

IRISH SHAMROCKS

The Real Thing. Green
It is best to order early and grow on to make strong plants for St. Patrick's Day. Our stock is very fine, \$4.00 per 100, or by mail postpaid, 60c. per dozen.

Cash. Extra count of seeds in all packets.

JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES

Gladiolus "America" FOR FORCING

Strong bulbs, \$60.00 per 1000.
Florists' white and light, mixed, \$12.00 per 1000.
Iris Kaempferi, named, \$50.00 per 1000.
Iris Kaempferi, mixed, \$30.00 per 1000.
Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.
Phoenix Roebeleni seedlings, \$4.00 per 100.
Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.

TULIPS BELOW COST

To dispose of our bulbs at once we offer following prices: **Helix Alliance** \$1.25 per hundred; **Courier Ponceau** 55c.; **Crimson King** 90c.; **Dach-euse de Parma** 70c.; **Duc van Thol**, red, yellow edge, 70c.; rose \$1.10; scarlet 85c.; white \$1.00; **Joost van Vondel**, red and white, 90c.; **Kelzerr-kroon** \$1.15; **L'Immacolee**, 45c.; **La Reine** 55c.; **Mon Tresor** \$1.00; **Pottobacker**, scarlet \$1.25; pure yellow, \$1.65; **Prince of Austria** \$1.40; **Proserpine** \$1.90; **Rose Grisdelin** 75c.; **Crown of Roses** \$2.15; **Duc van Thol**, red and yellow, 40c.; **Gloria Solis** 80c.; **Tourneol**, red and yellow, \$1.00; **Yellow Rose** 50c.; **Late Flowering**, all kinds, 75c.

MIXED NARCISSUS 50c. per hundred, \$4.00 per thousand.

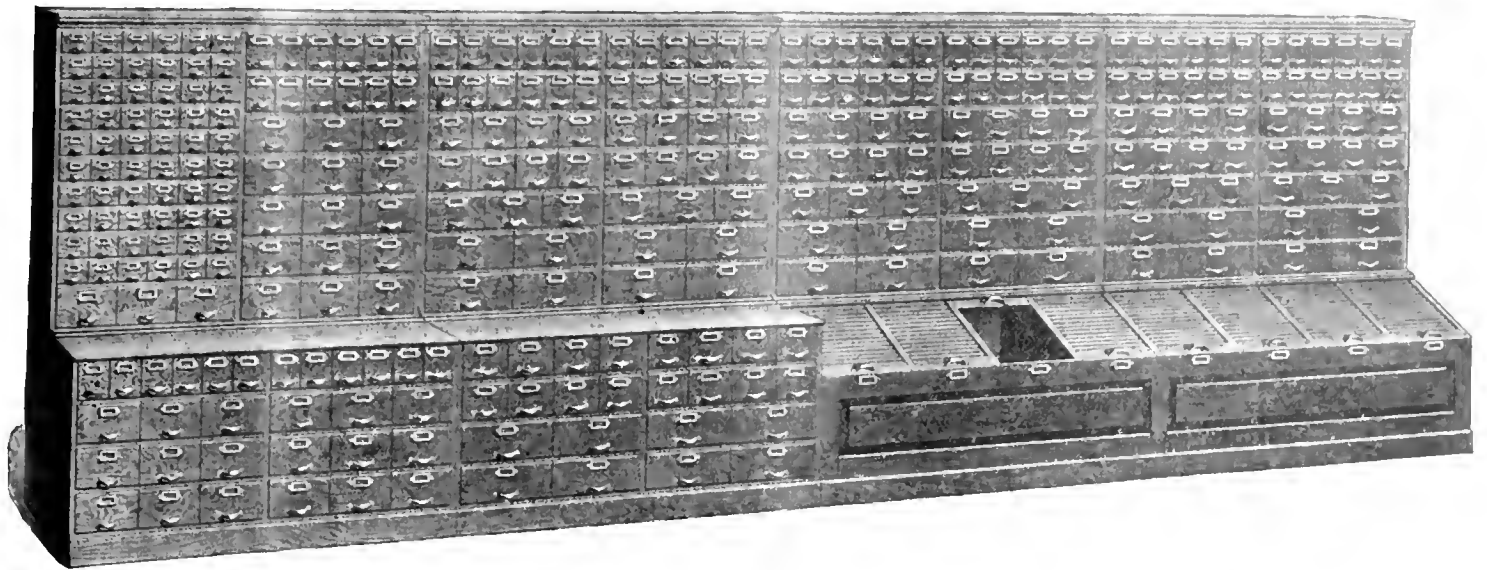
Also small quantities of other varieties at 50 per cent from our wholesale prices. Name your second choice. Attend to this matter at once, as this advt. will not appear again.

Write for our catalogue, and state whether you are a dealer, florist or market gardener.

James Vick's Sons, Rochester, N. Y.

Commercial Violet Culture

Price, \$1.50
The Florists' Exchange, 2-8 Duane St. New York



Showing **Heller's Mice-Proof Sectional Seed Cases, Bases and Bins** Set up

We can furnish you any combination for the smallest to the largest seed store, and fill orders promptly; no extra charge for export packing.

Send for advertising matter and prices

HELLER & CO., MONTPELIER, OHIO, U. S. A.

HELLER'S MICE-PROOF SEED CASES.—W. E. Heller & Company, formerly of Montclair, N. J., now of Montpelier, O., make a specialty of mice-proof seed cases, have visited all of the leading seed houses in the United States and Canada, and are now producing something that is practical and modern, in their special line, which for its efficacy is endorsed by thousands of seedsmen all over the world.

Seed Trade Notes.

The passing of the last few days has started in very earnest the larger wholesale seedsmen on filling their first crop of advance trade orders for the season of 1908. As I have from time to time stated I expected, the sellers of seeds throughout the country as a whole are placing their first early orders much sooner than has been the case in years, and this fact will render the balance of this month and the first half of February the most active and profitable to all concerned, in many seasons. This week has seen the first issues of the florists' and market gardeners' catalogues, and in connection with this the mailing of our largest retail catalogue editions of practically all the most prominent mail order houses, has given to every branch of the horticultural trade an impetus which will not again be lost until the seed-selling season of 1908 has become history only. I do not look for the mail trade in seeds to exceed the average during the next four weeks, but I shall be very much disappointed if the seed wholesalers do not have the largest business in years before Washington's birthday.

There is a subject that has interested me exceedingly for years; I can say, in fact, that I have made an exhaustive study of it in connection with seed cataloguing work; I refer to the matter of purchasing other seedsmen's novelties and specialties in flower and vegetable seeds for listing and prominently pushing in our own seed catalogues. I am very glad to see that a few remarks of mine in this column on this subject have been taken up for a further discussion by the English trade papers, as

I do most earnestly feel that nothing but good can come to the seed trade, both here and in Europe, from a full and exhaustive threshing over of this matter. My contention is simply this—that our seedsmen cannot as a business proposition afford to pay the rates that have ruled for years for seed novelties and specialties; namely, 25 per cent. off the retail rates on European introductions in packets; and with us not, as a rule, exceeding 33 1-3 per cent. I say cannot afford to pay what have for years been considered "going rates"—that is, if we are to recompense ourselves adequately for the space taken in our seed catalogues for listing such annual introductions, and also for the added expense of the distribution of such seed novelties and specialties to the general buying public. I will take no more space regarding this subject at the present time, but every seedsmen should give this most important matter his earnest consideration. Catalogue space costs money.

It has several times come into my mind during the past week how thoroughly interested in my poor writings "Statistician" must be, to have a fortnight ago so carefully prepared the very comprehensive estimates of the "Cost of Seed Catalogues." I can assure him that "V." and The Florists' Exchange as well, appreciate and value such readers; it is thus, and only by a free interchange of views (no matter how much we may individually differ in opinions on any given subject), that this paper can hope ever to reach its highest ideal of doing the greatest good to all in its chosen field.

Now that the first wholesale orders of the year are being freely placed with our larger seedsmen, it has at last become very apparent just where the shortages of seeds are—and to what extent. It will, I am sure, prove of interest at this special time to touch briefly upon the most acute seed deficiencies with the present market values for these much sought for seeds. Sweet corn I have previously touched upon; the early varieties are comparatively plentiful; it is such sorts as Stowell's Evergreen, Country Gentleman, and the other popular late sweet corn varieties

that are now worth \$5 to \$7.50 per bushel. Dandelion seed is very short in supply; this, of course, is a seed that many of us sell only in quite limited quantities, but you will find it billed to you this season at about double the usual rates; the best strains of French-grown dandelion are to-day held at \$2.50 to \$3 per pound.

As regards onion seeds, the following memorandum of rates very fairly represents the feeling among the wholesale trade at the present time: White Globe Southport, \$3 to \$3.75, and only very limited quantities obtainable at any price—the seed does not exist; White Portugal, say \$3; the various strains of Yellow Danvers, \$1.50 to \$2.25; Red Globe Southport, \$1.75 to \$2.25; Red Wethersfield, \$1.75 to \$2.25. These prices per pound I feel very nearly express the present situation, but all but very much favored regular customers of the larger seedsmen will find, if they should try to buy any considerable quantity of onion seed, apart from a full line order (so-called), that the outside prices I have named above might indeed in such a case look very low. Egg plant in the most popular varieties is very short this year; the best strains of New York Purple are firmly and closely held for \$3 to \$4, and even more per pound. Other varieties are very much higher than is usual, following the lead of the favorite sort just mentioned. But in respect of its varieties, egg plant is very peculiar; there are some dozen or more good sorts, but outside of the best strains of the New York Purple very little seed comparatively is sold. Many varieties of beans are worth from 50c to \$2 or even more per bushel than last year; a few popular sorts of Lima beans seemingly showing the greatest advances.

As regards garden peas you will here find also advances over last season of from twenty-five cents to \$2 per bushel; there are a few (very few) sorts that for some unknown reason gave such good seed crops that they can be purchased at even less than last year. The American Wonder pea is one of these varieties, and as it is one of our very best sorts for the family garden no variety could be pushed to better advan-

tage to the seedman or more real satisfaction to the customer.

Truly this is going to be a year when the greatest ingenuity will have to be exercised in order, first, to satisfy the customer as regards price, and, secondly, to make a few dollars for ourselves. There are many other seed shortages besides the main ones I have so briefly mentioned; but of these more anon.

I have been much interested, and have watched the columns of The Florists' Exchange closely, for a report of the outcome of the various societies in New York—the Florists' Club, the Horticultural Society of that city, and the other organizations, that propose in some way to found a society of horticulture in New York that shall have a solid standing among the kindred organizations of the world—a society whose doings and prize awards shall be the highest authority in this or any other country. Such a consummation of horticultural efforts is greatly to be wished. May success attend the plan.

We are still having the most beautiful open weather, but it is not seasonable; we need snow.

European Notes.

A brief break with very moist Summer-like conditions has been followed by a further spell of severe frost with heavy falls of snow; the latter will minimize the effect of the keen winds that drive the life out of every living thing. Quite a rush of clearing up shipments have been made by steamers leaving European ports this week. The reasons for this exceptional delay have previously been fully set forth in these notes. Some of the larger and more fleshy kinds of peppers are not yet matured; the germination of seed sowed under such circumstances is bound to be unsatisfactory, and short deliveries will be a blessing in disguise.

The opening of the new year has caused a stir in the clover seed market. Alfalfa has taken a further leap upward, now it is quite certain there will not be any late crop seed forthcoming from Provence.

Red clover has advanced in value even more rapidly; some samples of year-

ing seed that were worth 60 shillings at this time last year were easily sold at 110 shillings on Monday last, and very inferior samples of new crop seed realized 74 shillings at the same market. If this advance is maintained the plucky holders of yearling stocks will coin money.

White clover is reported to be more abundant and is quoted at reasonable prices.

Rye grass has gone up by leaps and bounds, and is now nearly out of sight. Natural grasses of every description rise in sympathy.

Arnold Moss, late head of Jacob Wrench & Sons, after lying practically helpless for some months, as the result of a stroke of paralysis, died on New Year's Day. A capable seedsman and a thoroughly whole-hearted fellow, he was beloved and esteemed by all who came into contact with him, and his many friends among the seeds-men on your side will grieve at the loss of a dear, personal, true friend. Of the causes which led to the decline of the Wrench business, after an honorable existence of 150 years, this is not the time or place to speak; it is sufficient here to say that neither Mr. Moss nor his predecessors could honestly be charged with doing a mean thing.

The business of A. & E. Moss, established after the closing up of the Wrench Company, is being carried on by E. Moss, the son.

C. H. Curtis, secretary of the National Sweet Pea Society, has written a booklet on "Sweet Peas and How to Grow Them," which is published by W. & L. Collingridge, proprietors of The Gardeners' Magazine and other well-known papers. The booklet can be had for one shilling plus postage. The date of publication of the Sweet Pea Annual and schedule is announced for January 14.

The statement in your Chicago contemporary that, under the Corrupt Practices Act recently passed in England, a small discount of probably 5 per cent. is permitted will be news to the framers of the law and to British traders generally. The fact is that no exemption whatever is permitted. The act applies to all businesses alike.

Burt Olney, president of the Burt Olney Canning Company, Oneida, N. Y., has been in London during the week and left for New York per "S. S. Mauretania." EUROPEAN SEEDS.

CATALOGUES RECEIVED.

TREVILLE NURSERY COMPANY, Powell Station, Tenn. Price List of Apple and Peach Trees.

FRANK E. RUE, Peoria, Ill.—General Catalogue of Seeds, Bulbs, Plants, etc., with special collection offers. Illustrated.

ALBERT SCHENKEL, Hamburg, Germany—Illustrated Catalogue of Seeds and Plants; printed in the German language.

THE W. W. BARNARD COMPANY, Chicago. Market Gardeners' Price List of High Grade Vegetable Seeds and Gardening Tools. Illustrated.

CALIFORNIA ROSE COMPANY, Pomona, Cal.—Illustrated and Descriptive Catalogue of Field-grown Roses. Open ground culture exclusively is practiced by this firm. An embracing and interesting collection.

HENRY SEXTON ADAMS, Wellesley, Mass.—Illustrated Catalogue of Choice Seeds, Bulbs, with lists of Novelties and Specialties. Nasturtiums form a feature of the latter. A Handy Vest Pocket Catalogue.

W. W. WILMORE, Denver, Colo. Catalogue of Dahlias, Gladioli, Peonies, Hardy Plants, etc. Illustrated; also Trade List. Dahlias form one of Mr. Wilmore's specialties, interesting lists of Novelties and Standard sorts being furnished.

H. H. BERGER & COMPANY, New York—Wholesale List of Seeds, Bulbs, Plants, etc., for Spring, 1908. Illustrated. An interesting feature is the list of Japan importations, such as Peonies, Cherries, new Hydrangeas, Camellias, Maples, Azaleas, Wisterias, Magnolias, etc.

A. N. PIERSON, Cromwell, Conn.—Illustrated Wholesale Trade List of Roses, Carnations, Chrysanthemums, Bedding Stock, Palms and Ferns, including all the Novelties and best Standard Varieties. A well-printed and attractive catalogue.

SHEKMAN & EBERLE, Albany, N. Y. Illustrated Catalogue of Vegetable, Grass and Flower Seeds, Bulbs, Roses and other Plants, Horticultural Supplies, etc. with a well-known list of Novelties and Specialties. An attractive and neatly printed catalogue.



Ageratum

Table listing various flower seeds including Ageratum, Alyssum, and Begonia with prices per packet and ounce.



Lobelia

H. W. VAN DER BOM & COMPANY, Oudenbosch, Holland (J. Meerkamp Van Embden, 213 Franklin Avenue, Mount Vernon, N. Y., American agent)—Catalogue of Forest and Ornamental Trees, Spring-flowering, Forcing and American Plants, Conifers and Evergreens.

ELMER D. SMITH & COMPANY, Adrian, Mich.—Wholesale Catalogue of Chrysanthemums, new and standard varieties, and Asters. Mr. Smith is now devoting all his time to these two specialties. The catalogue is replete with offerings of the different types of Chrysanthemums, and is profusely illustrated. This firm succeeds the well-known house of Nathan Smith & Son.

BURNETT BROTHERS, New York. Catalogue of Vegetable, Field and Flower Seeds, Bulbs, Roots, Plants, Fruit Trees, Small Fruits, Tools, Implements, etc., with carefully selected lists of Novelties and Specialties. Profusely illustrated, with attractive cover designs. A neatly printed catalogue, creditable alike to the makers and to the enterprising young firm distributing it.

YOUNG'S SEED STORE, St. Louis, Mo. Catalogue of Seeds, Bulbs, Plants, Fruit Trees, etc., including a list of New and Rare Plants. The catalogue is fully illustrated, and has very attractive cover designs, embossed in color, showing pretty representations of Dahlias, Asters and Pansies. There is also a fine colored insert depicting

DREER'S Reliable New Crop FLOWER SEEDS

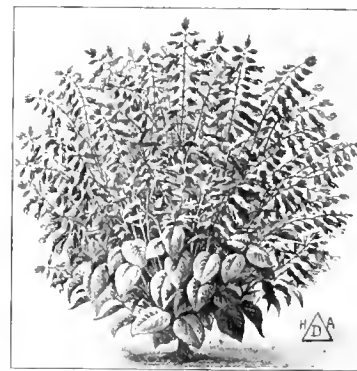
We offer below a short list of items which should be sown early. For a complete list see our new Wholesale Price List Free on application to all Florists.

Table listing various flower seeds including Centaurea, Lobelia, Mimulus, and Petunia with prices per packet and ounce.



Dreer's Double Petunia

Table listing various flower seeds including Salvia, Thunbergia, and Verbena with prices per packet and ounce.



Salvia Bonfire

We offer a fine line of Asters, Sweet Peas, Antirrhinum, Cosmos, etc. etc. Our list of Novelties contains many good things for Florists, all of which are fully described in our Garden Book for 1908. Copies on application.

HENRY A. DREER 714 Chestnut St., PHILADELPHIA

Roses Miss Kate Moulton, Souvenir de Pierre Notting, Snowdrift and Cherry Pie.

COLE'S SEED STORE, Pella, Ia.—Illustrated Catalogue of Garden, Farm and Flower Seeds, Sundries, etc., with a list of Novelties and Specialties. Mr. Cole says: "The crop of seed harvested has been on an average only fair the past season. Many items are very short, especially Onion Seed, Sweet Corn, Peas, Clover and some varieties of Potatoes and Grass Seed. Prices of such will rule somewhat higher than last year. Most other seed stocks average in price as low as last season."

JOHN LEWIS CHILDS, Floral Park, N. Y. Illustrated Catalogue of Vegetable and Flower Seeds, Bulbs, Plants, etc. with a comprehensive list of Novelties and Specialties. Gladioli form one of Mr. Childs' specialties, some 200 acres being devoted to their cultivation. The variety "America" is designated as "A full moon among a sky of stars." The nursery, seed and bulb gardens on Long Island aggregate almost one thousand acres; and the concern has also a place of considerable extent at South Pasadena, Cal. The postage account on the firm's catalogues amounts to about \$30,000 annually; this will give an idea of the extent of the business done. The catalogue is profusely illustrated, several colored plates and gorgeous cover designs going toward its further embellishment and attractiveness.

Vegetable Plants

LETTUCE PLANTS Grand Rapids, Boston Market and Big Boston, 25c. per 100, \$1.00 per 1000.

TOMATO Mayflower and Lorillard, 50c. per 100 R. VINCENT, Jr. & SONS CO., White Marsh, Md

R. VINCENT JR. & SONS COMPANY, White Marsh, Md.—Catalogue of Geraniums; most beautifully illustrated, and enumerating large and interesting lists of this specialty of the firm. The front cover is a representation in color of the beautiful Geranium Dargata, and, in color, is very true to nature. This is one of Bruant's Premier 1905 novelties. The back cover is a very life-like representation in colors of Pamela, one of Cammell's 1906 varieties. The inside of the catalogue is illustrated with photo-engravings in green black, with a light tint background, of many of the novelties offered by this firm, the illustrations being in every instance original, and, in a majority of cases, the first trusses from young plants. A handsome catalogue. Also Wholesale Trade List for Florists and dealers only of Vegetable, Greenhouse and Bedding Plants.

**TWO YEAR OLD
Everblooming Roses**

OWN ROOTS

THESE are strong well-branched plants. They have been potted for some time and are well equipped with roots. Packing can be done very light and they will carry safely to any part of the country.

\$1.00 per doz.; \$8.00 per 100; \$75.00 per 1,000

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| Baby Rambler | Hermosa |
| Maman Cochet | Helen Gould |
| Clothilde Souper | Papa Gontier |
| Marie Van Houtte | Mme. Abel Chatenay |
| Etoile de Lyon | Queen Scurllet |
| Meteor | Climbing Kaiserin |
| Mme. Jules Grolez | R. M. Henrietta |
| Snowflake | Striped R. M. |
| Climbing Meteor | Henrietta |
| Bessie Brown | Sufrano |
| Isabella Sprunt | Marechal Niel |
| Coq. de Lyon | White La France |
| Perle des Jardins | Pres. Carnot |
| Yellow Cochet | Etoile de France |
| Kaiserin | Sunrise |
| White Cochet | |

HYBRID PERPETUALS

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| Paul Neyron | Md. Chms. Wood |
| Gen. Jack | Mr. Jno. Luling |
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100 varieties 2 1/2 inch.

JOHN A. DOYLE, Springfield, O.

**NEW ROSE
MY MARYLAND**

I am booking orders now for this new rose. It is a beautiful salmon pink with long buds, easy and strong grower, makes no blind wood, has averaged 22 flowers to a plant since the first of October, has long stiff stems. Some of the largest rose growers who have seen it have bought from one to three thousand plants.

Price: 2 and 2 1/2 in. pots, \$5.00 per doz., \$25.00 per 100, \$200.00 per 1000.

Stock limited.

JOHN COOK, 318 N. Charles St. Baltimore, Md.

Everything goes

to prove that our own root, summer grown, winter rested ROSES are the best for florist and nurseryman. 400 leading sorts.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD OHIO

Grafted Roses

\$12.00 per 100; \$100 per 1000.

If you can furnish the scions, we can quote you lower prices in any quantity you wish.

Edward J. Taylor, Greens Farms, Conn.

**Rooted Kaiserin
Rose Cuttings**

For Sale at ROSE LAWN Greenhouses. \$12.00 per 1000. Cash with order.

J. HENRY BARTRAM, LANSDOWNE, PA.

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS' EXCHANGE.

NEW Rambler Rose "Newport Fairy" NEW

To be disseminated Spring 1908. Ask for Illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

R O S E S

Feeding.

The days are now getting longer, and as the sun's rays gradually grow stronger the plants will start off with renewed vigor, thus plainly showing that more food will have to be furnished, if the plants are to retain their strength. Affording liquid manure is probably the best method of supplying the needed nourishment; this should be weak at first, and as the plants get accustomed to it, increase the strength. The liquid, before being applied, should be allowed to ferment; for this purpose two tanks should be employed—one in which the fermenting takes place; then as needed this can be drained into the other tank and diluted with clear water to the proper strength. Liquid made from green manure and not allowed to ferment does not do the plants much good, and may cause them to drop some of their foliage. When first using liquid manure do not have the beds too dry, though later in the season this precaution need not be taken. Where the liquid cannot be applied, our next recourse is a mulch of partly decayed cow manure; if this is a little green no harm will result, if a small quantity is put in the house at a time; but no plant can derive much benefit from too fresh manure. Another good fertilizer to use, where either of the above is not available, is tankage. At this time of the year this soon is taken up by the plants. Pulverized sheep manure, if pure, is also very beneficial. It is a little early yet for wood ashes; these are very quick acting and best adapted for Spring feeding; if used earlier, the beds do not seem to dry out so freely. But no matter what fertilizer is applied, light and frequent applications are preferable to one heavy dose.

Grafting.

While the bulk of the roses grown under glass are on their own roots, we still have with us advocates of the grafted stock, and they are numbered among our best cultivators too. If I am not mistaken, grafting was first employed as a preventive, or rather a remedy for eel worm, as these pests were seldom found on the roots of the manetti, while roses on their own roots were badly affected by them. Of late years little complaint has been heard concerning the eel worm but grafted plants we still see wherever roses are grown, both indoors or outdoors. Manetti is the stock now used almost exclusively by rose growers; this is generally imported, as in Europe it can be procured cheaper than that home grown for grafting purposes. The stock and cion should be as near the same size as possible and the work must be carefully done if the union is to be perfect. The stocks, of course, should be fairly well rooted in 2 1/2-inch pots, cut back close to the pot, so that they can be worked conveniently. The cut should be about three-quarters of an inch in length. Cut the cion to suit, then place them together, making sure the bark of one fits closely to the other; then tie securely with radia. The frame in which the plants are to be placed should be almost airtight and so arranged that no sun will strike it. A temperature of about 80 degrees may be easily maintained.

Give the woodwork a good coating of hot lime to prevent fungus, then put on the bench a little moss, with screened ashes, for the pots to sit on. These should be well watered before the plants are inserted, so that no water need be used for a few days. Keep the frame close, and if the right temperature is maintained the union will be effected in about two weeks, when the sash that forms the top of the frame should be elevated a little higher each day to harden the plants gradually. When the union is complete and the plants properly hardened, they can be placed and treated the same as young stock. To prevent breaking put a little stick in each pot, and tie securely. PENN.

GRAFTED ROSES

NOVELTIES

Mrs. Jardine, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.

Rhea Reid, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.

Maryland, 50 cts. each, \$5.00 per doz., \$35.00 per 100.

Queen Beatrice, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.

Mrs. Potter Palmer, \$3.00 per doz., \$17.50 per 100, \$125.00 per 1,000.

STANDARD VARIETIES

Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile De France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesley, White Cochet.

RAMBLERS

Crimson, Dorothy Perkins, Lady Gay, Anny Muller, and the Philadelphia Rambler.

The price of the above grafted 2 1-4 inch pots: 20 cts. each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1,000.

Mme. Norbert Levavasseur (Baby Rambler); 2 1-2 inch pots, \$2.50 per doz., \$15.00 per 100.

AMERICAN BEAUTY

Own root, 2 1-2 inch pots, \$8.00 per 100, \$75.00 per 1,000. 3 inch pots, \$12.00 per 100, \$100.00 per 1000. April, May and June delivery.

OWN ROOT ROSES

We offer the following list of roses on their own roots. Our method of handling this stock gives us as fine plants from 2 1-2 inch pots as are usually sold for 3-inch. This stock is from 2 1-2 inch pots, repotted from 2-inch.

Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chatenay, Aurora.

\$1.00 per dozen, \$6.00 per 100, \$50.00 per 1,000.

PLEASE NOTE

FOUR varieties may be used in making up one dozen. When more than four varieties are used the plants, or cuttings, will be charged at single rate. Four varieties may be used in making up one hundred. When more than four varieties are used, the plants, or cuttings, will be charged at the dozen rate. Five varieties may be used in making up 250, and 250 will be sold at the 1,000 rate. When more than five varieties are used in making up 250, the plants, or cuttings, will be charged at the 100 rate.

A. N. PIERSON, CROMWELL, CONN.

ROSES FOR FORCING Strong-Dormant

Immediate Delivery

Send for Prices & List

American Beauty, Clothilde Souper, Gloire de Dijon, Hermosa, Kaiserin A. Victoria, Kijerney, Liberty, La France, Maman Cochet, Marechal Niel, Mrs. R. G. Scherman-Crawford, Marchioness of Londonderry, Souv. de la Malmaison, including all the leading varieties of Hybrid Perpetuals.

BAY STATE NURSERIES, - North Abington, Mass.

F. & F. NURSERIES

SPRINGFIELD NEW JERSEY

Wholesale Growers TREES AND PLANTS in full assortment. Trade Catalogue Free

ROSES

Selected Stock for Forcing

Crimson Rambler and Dorothy Perkins 3 to 4 ft. \$1.50 per 10, \$12.00 per 100. 4 to 5 ft. \$2.00 per 10, \$15.00 per 100.

Hybrids. All leading varieties. \$1.50 per 10, \$12.00 per 100.

General Catalog and Trade List on application.

THE NEW ENGLAND NURSERIES, Inc., BEDFORD, MASS.

5000 EVERGREENS Retinispora Filifera and Aurea, 3-5 in. 5c. White Pine and Hemlock 5 to 7 in. 2c.; 10-12 in. 4c.

2000 WILLOW-Laurel Leaved and Golden, 4-5 ft. 9c.; 6-8 ft. 18c.

2000 PRIVET-Ibo'ta, 5-8 in. 3c.; 12-18 in. 7c.

3000 BERBERIS-Thunbergii and Vulgaris, 4-8 in. 2c.; 12-20 in. 4c. Fine, clean stock, well rooted. Write for thousand rates, as our room is limited and we must sell.

THE PIERCE NURSERIES, - Beverly Farms, Mass.

ROSES FOR IMMEDIATE DELIVERY

BABY RAMBLERS, from 5 inch pots—without the pots Per 100 \$15.00 CRIMSON RAMBLERS, extra strong \$12.00 to 15.00 H. P. ROSES 10.00 COCHETS 7.00

SPECIMEN CONIFERS, very cheap, need the room.

F. W. O. SCHMITZ, Prince Bay, N. Y.

SEND FOR SAMPLES OF OUR

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Specially prepared for the use of your customers. These Leaflet are just the neat little factor to promote business and establish better relations between the dealer and his customer. They have been written by experts; they are fuller, and contain more detailed directions than it is possible to embrace in a catalogue. Hand one out with each sale. It will save your time, quicken and increase business, and aid you please your customer.

The following "Culturals" are now ready:

- Amaryllis (Hippeastrum)
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Canna
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Cauliflower, Radish and Beans under Glass
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Chinese Sacred Lily
Chrysanthemum
Climbing Plants, Hardy
Coleus, and other bedders
Crocus, Snowdrop and Scilla Sibirica
Cucumbers under Glass
Dahlia
Deciduous Trees and Shrubs
Evergreen Trees and Shrubs
Ferns
Fraesia
Geranium
Gladolus
Gloxinia
Hot Beds and Frames
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Hyacinths, Dutch and Roman
Iris and Tritoma
Lawns
Lettuce in the Open and under Glass
Lily Culture for House and Garden
Melons under Glass and in the Open
Mushroom Culture
Onions
Palms, House Culture of
Pansy
Peonies
Perennials, Hardy
Primula
Rhubarb and Asparagus under Glass
Rose Culture
Small Fruits
Standard Fruits
Strawberries under Glass
Sweet Pea, The
Tomatoes, Outdoors
Tomatoes under Glass
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Tulip
Vegetables
Violets
Water Garden, How to Make and Manage a

Your selection of not less than 100 of a kind, delivered carriage paid, printed on white paper, clear type, size 6x9 1/2 inches, 500 for \$1.50; 1000 for \$2.50.

Sufficient space will be left at the bottom of each leaflet for your name, address, etc. If you desire this imprint (3 lines) add 50 cents for 500 copies, 75 cents for 1000. Special quotations on quantities of 2500 or over.

A. T. De La Mare Ptg. and Pub. Co. Ltd.

Pubs. The Florists' Exchange. P. O. Box 1697, NEW YORK

The book of WATER GARDENING By Peter Bisset Price, postpaid, \$2.50

A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

Prices Advertised in these Columns are for

NURSERY STOCK for Florists' Trade

Fruit and Shade Trees, Evergreens, Shrubs, Roses, etc. Specimen Tree Box. Pyramidal Standard and Bush Form.

W. & T. Smith Company, 62 Years Geneva, N. Y. 600 Acres

Specimen Evergreens

SUITABLE FOR TUBS AND VASES

HEMLOCK, WHITE PINE, RETINOSPORA, A. VITAE, etc.

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NEW BABY DOROTHY ROSE

The greatest pot rose for florists extant. A superb forcing variety. We have proved it. Color a deep pink. Price, \$3.50 per 10; \$30.00 per 100.

WHITE BABY RAMBLER (Catherine Zeimet), with double white perfect flowers; fragrant; a good forcer. \$3.50 per 10; \$30.00 per 100.

PINK BABY RAMBLER (Anny Muller), a perfect bedding rose; as such there is nothing to equal it. Its color is charming. \$3.00 per 10; \$25.00 per 100. Above all in field-grown plants.

JOHN CHARLTON & SONS, University Ave. Nurseries, Rochester, N. Y.

MANETTI

Smooth, evenly graded, especially selected for Florists' use

Grafting Size, 3-5 m/m, \$8.00 per 1000; \$75.00 per 10,000.

Extra Size, 5-9 m/m \$10.00 per 1000; \$90.00 per 10,000.

First consignments expected soon; order NOW for prompt shipment on arrival and avoid disappointment.

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Roses, Clematis, Ampelopsis, Lilacs, Deutzias, Spiraeas, Etc.

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WEEHAWKEN HEIGHTS, N. J.

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pol-Grown Lilacs, Hydrangea in Sorts, Clematis and H. P. Roses in the best sorts.

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Shrubs a specialty.

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Fine stock, all good, 2 and 3 eye 10,000 mixed Cannas, all green-leaved varieties, \$15.00 per 1000.

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300,000 California Privet

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\$1.00 per 1000 at 10,000 rate.

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\$3,000 PER ACRE IN TOMATOES

Outdoor culture. With my Concrete or Cement Plant Protector. Patent pending. Set plants six weeks earlier and get hot-house prices. Will sell Town Rights and furrow mold. Enclose 2c. stamp for circular.

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Your Money is well spent when you advertise in

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THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

LARGE TREES OAKS AND MAPLES PINES AND HEMLOCKS ANDORRA NURSERIES WM. WABNER HARPER, PROPRIETOR Ocheatnut Hill, Philadelphia, Pa.

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KOSTER & CO. Hollandia Boskoop, Holland Nurseries Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies Pol Grown Plants for Forcing RHODODENDRONS, H. P. ROSES, Etc. Catalogue free on demand

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Hardy Nursery Stock, such as H. P. Roses Rhododendrons, Azaleas, Clematis, Box, Choice Evergreens, Peonies, etc. Ask for Catalogue.

CALIFORNIA PRIVET

Strong one-year plants. 18 to 24 inches, branched, \$2.00 per 100; \$15.00 per 1000, 12 to 20 inches, strong, \$1.50 per 100; \$10.00 per 1000. Two-year all sold.

ASPARGUS ROOTS Palmetto, Conover's Colossal and Giant Argentea, extra strong. 2-year, 75c. per 100; \$4.00 per 1000. Strong 2-year, 75c. per 100; \$3.00 per 1000. All tied in 25s. Address, CHARLES BLACK, Hightstown, N. J.

20,000 Privets

Two year old, strong growing, 3 1/2 to 4 feet high, cut back once, \$25.00 per 1000. Cash. H. M. KRUSCHKA, - ASBURY PARK, N. J.

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Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSERYMEN.

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

NEW FORESTER AT IOWA STATE COLLEGE.—At a recent meeting of the Board of Trustees of the Iowa State College, C. A. Scott of the United States Forest Service was elected to the chair of forestry to fill the vacancy caused by the resignation of Professor H. P. Baker who accepted a more lucrative position at the Pennsylvania State College. Mr. Scott is a graduate of the Kansas State Agricultural College and a student of the Yale College of Forestry. He has been continuously in the employment of the Forest Service since graduation and during this period of seven years has gradually advanced through all stages of the work from that of student assistant to forest supervisor, which position he resigned to accept the chair of forestry at the Iowa State College. His work has been largely confined to the Middle West and the Rocky Mountain States; hence he has the advantage of being familiar with the forestry conditions of the Upper Mississippi Valley. Since its origin he has had charge of the extensive forest nurseries and plantings of the Dismal River National Forest. During the past three years he has given a special course of lectures before the Nebraska University forestry students and during the Winters has also rendered assistance as a lecturer at the Farmers' Institutes of Nebraska. In 1906 he was elected to membership in the Society of American Foresters, a professional organization which is limited in its membership. His training, experience, strength of character and personality make him one of the best men available for the position to which he has been elected at the Iowa State College.

American Chestnuts.

I noticed in your issue of December 28, 1907, the statement that there is a demand for fine quality American chestnut trees and you advise propagation by grafting when fine specimens are found. I have a tree that is on poor ground, the tree is large, and bears every year numerous sweet black chestnuts, many as large as a fifty cent piece. Which will be the best to graft, on roots or young trees, and what is the mode?

Ky. A. V.

—For your purpose you would find grafting on young trees the better way. It is the plan followed by nurserymen who propagate the improved kinds of chestnuts. Graft in Spring just as the buds are about to push.

If yours is a true American chestnut, with nuts as "large as a fifty cent piece," many of them, it would be a valuable kind to increase. It must be as large as the Spanish chestnut!

J. M.

Plant Japanese Snowball Early.

The popular and beautiful Japanese snowball, *Viburnum plicatum*, is one of the most impatient of all shrubs to expand its leaves in Spring, and from this fact is apt, in its well-doing, to disappoint those who plant it late. It needs to be placed on the list of those subjects to be planted among the very first of those moved in Spring. There are some shrubs that, though preferring early planting, will get along very well set out later if pruned back well, but the Japanese snowball is not one of these. It may live under such treatment, but it does not like it. Set out early and with good roots it will flower fairly well the same season, another reason for early planting. If not possible to plant it early, get it out of the ground and heeled in at any rate, for this will tend to check it somewhat.

There are two trees, the larch and the weeping willow, that are in the same class as the Japanese snowball, excepting that they are even more impatient of delay in planting. It takes but a few warm days to bring both into leaf. Both will live with close pruning, even after they have made new growth, but it takes closer pruning than necessary in order that they may thrive. How the lilac hates delay everybody knows! Frost is not over when its leaves push out; if a few warm days come one can almost see the buds swelling.

Pyrus japonica and *Ribes aureum* and other ribes are "early risers," too. The nurseryman who starts late in getting out his orders will find these shrubs

in leaf before he gets to them if he is not careful to start on time.

In these days of hurry, however, there are but very few who are not out with their digging forces before frost is over; still, the hints on a few important shrubs and trees and their early budding tendencies will be of use, it is hoped.

Pruning Hydrangeas.

Spring will soon be on us, and before its advent all the hardy hydrangeas should be pruned. The closer back they are cut the finer the heads of flowers. By hardy hydrangeas are meant the paniculata, the *P. grandiflora*, both of Japanese origin; the native ones, *radiata*, *arborescens* and the variety of the latter, *sterilis*. All these differ from the *Hortensia*, the one florists use so much for forcing in pots, in that they may be pruned down close to the ground and still will flower, every shoot that springs

to do, though it is from the box edging kind, *H. suffruticosa*. At any rate it is better than all the varieties when the object is to grow it for the sake of getting strong shoots from it for florist use.

Box delight in rich moist ground. Then it flourishes, making strong shoots of rich green foliage, whereas if in dry, poor soil the leaves are small and of a dull green color, and they soon become a prey to red spider.

When grown for the purpose of cutting its shoots a good pruning back in early Spring is advantageous to it, tending to the forming of new shoots of good length, such as florists demand. Spring is the best time to set out box bushes.

Beauty of *Viburnum Opulus* in Winter.

Up to the present time, almost the first of February, the Winter has been exceptionally mild, permitting many of the ornamental berried plants to

keep up their good display unharmed. But no matter what the season is, there are some berries that do not mind the freezings; among them those of the *Viburnum opulus*, or as older works have it, *V. oxycoccos*. Its old common name is high bush cranberry. Following its clusters of white flowers in May are the berries, which become of a deep red color in time, and which greatly adorn the bush in the days of Autumn. But it is after the leaves fall that the pretty clusters of berries show to perfection and these clusters are in good shape all through the Winter.

There are a few other shrubs that do the same—*Berberis Thunbergi* for one—but the number of such shrubs is small.

The time is approaching for the planting out of this viburnum. To have it flower well it needs young wood, annually, and this is best obtained by pruning back the shoots every year, a good time to prune being right after flowering; but if planting them in Spring cut them back then, say to half their length. This viburnum can be increased by hard wood cuttings made now and planted early in Spring, as well as by seeds sown in Fall or Spring.

JOSEPH MEEHAN.



Viburnum Opulus (Oxycoccos)

forth later on will bear a head of bloom. Exactly the reverse is the case with the *Hortensia*. Prune it back hard, or let the Winter freeze it back to that degree, and not a head of flower will result, practically.

The cuttings from the pruned back hardy hydrangeas will root if set in the ground, but as plants are so easily had from both layers and green wood cuttings in Summer, the use of the hard wood shoots is rarely cared for.

The flowers of the *H. paniculata grandiflora* are of so much use to florists that many adopt the plan of keeping a lot of plants in cold storage until quite late in May, then setting them out. These plants come into flower long after those that started to grow naturally have done, proving a source of great profit to those individuals who have them. Commission men are glad to get hold of these late flowers, they are so useful in so many ways.

Growing Boxwood for Florists' Use.

Boxwood wreaths were in demand the past Christmas, and for many other purposes florists found a quiet call for it. Besides its use for cut purposes, the demand on nurserymen for plants for setting out on lawns and for growing in tubs is very much greater than it ever was before. It would seem to be good policy for growers of boxwood to arrange for the planting of a quantity of it. The old kind of tree box is the best, at least it is a faster grower than any of the other varieties of it common in nurseries. Many catalogues have it under the name of *Buxus arborescens*. This name was doubtless applied to it in the first place

BIRMINGHAM, MICH.—We are requested to state for the benefit of nurserymen sending catalogues, that the Cranbrook Nurseries, Birmingham, Mich., have ceased to exist.

H. J. Corfield, who for the past three years has been designing and constructing an estate of nearly three hundred acres in extent, near Detroit, Mich., has resigned and will return East.

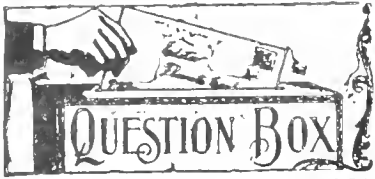
For the purpose of promoting the forestry industry in south Manchuria, the Chinese officials have engaged a Japanese expert from Tokyo to act as head master for the proposed school of forestry at Mukden for a term of four years, with two Chinese gentlemen as his assistants; but, owing to the lack of funds, the school has not yet been opened.

CONSUL L. E. DUDLEY reports that a nurseryman of Vancouver recently shipped \$600 worth of general nursery stock to Shanghai, China. The order was received by mail, and the purchaser evidently went through the nurseryman's catalogue pretty thoroughly, as something was ordered from nearly every page.

A document of much interest to nurserymen is illustrated bulletin 119 of the Bureau of Plant Industry, Department of Agriculture, Washington, D. C., on the subject of "The Mulberry and Other Silkworm Food Plants," prepared by George W. Oliver, plant propagator. Mr. Oliver has brought the data he furnishes down to date.

DREER'S SUPERB DOUBLE PETUNIAS

LATANIAS



Plant for Name.—W. R. Mass.—*Andromeda polifolia*, sometimes called wild rosemary.

(15) **Begonia Thurstoni.**—I send you leaves of begonia for name. The plants grow from 15 to 20 inches high and have pink or rose-colored flowers. I think it is a scarce variety. Is it good or valuable? It is easy to grow.

Ohio. S. J. G.
—The begonia sent for name is evidently *Begonia Thurstoni*. The flowers of this variety are not of much value; it is grown chiefly for its ornamental foliage. Commercially, we would say that there would not be much profit in growing it to any large extent.

(16) **Flies on Grapes.**—I am sending you a few flies that have been found on grapes here. Kindly give me name of same. I took charge of this place on the 1st of July and ever since have been trying to clear out the flies, but have been unsuccessful. I have tried to freeze them, but they withstood all the frost so far. I cleaned out all the old dirt and made the best job in my power, but they have not disappeared.

Conn. J. F.
—The insect is evidently *Tortrix vitisana*, though we are not quite sure, as the specimens were dead and somewhat dried up when they reached us. To eradicate this pest it is desirable to remove all loose bark, and this can be done in Winter by means of a brush of stiff fiber, e. g., of piassaba. All dead leaves and rubbish should also be removed from the surface of the soil, and either consigned to the compost heap or burned.

(17) **Spot Disease of Violets.**—Will you kindly tell me what is the matter with my violets; the leaves spot and gradually die away. Is it a disease? If so, give me cause and remedy. I keep the temperature at from 45 to 50 degrees, and sprinkle nearly every bright day with a watering pot.

Mass. A. SUBSCRIBER.
—This is what is known as the spot disease. Remove all the leaves that are affected and burn them. Professor Galloyway, in his book on "Violet Culture," says: "When the disease has reached a severe form, the flowers are practically worthless, and the only thing that can be done is to put forth every effort to get the plants into a healthy condition as soon as possible. Briefly, therefore: Keep the plants at all times in a healthy growing condition. Rigidly destroy all diseased parts of the plant. Never apply water to the leaves in such a way that they cannot dry in from four to five hours. Keep the leaves free from dew. Avoid fumigation with tobacco, but if tobacco is used make the smoke as light as possible."

(18) **Insects on Carnations.** Can you give us any information as to identification and eradication of the enclosed insect pests, which have been with us about three years, increasing in number each year and now are beginning to do considerable damage to our carnations?
H. and H.
New York.

—This is the rose chafer, the scientific name of which is *Macrodactylus subspinosus*, and, owing to its hard, shell-like skin, contact poisons are not of much use in fighting it. Bordeaux mixture is distasteful to them if sprayed on the plants, but the best remedy is to make a daily search, shaking the beetles off the plants into some receptacle and destroying them. We have seen them in greenhouses, but never in large numbers.

Brazilian Melon Fruit.

Regarding the question relating to the "Brazilian Melon Fruit," that appeared in a recent issue, Newton J. Peck of Woodridge, Conn., sends us an illustration taken from a catalogue, showing a plant loaded with melon-shaped fruit, and bearing the caption "Melon Pear or Pepino," described as follows:

"A rapid-growing, dark-leaved plant, blooming when quite small. The fruit is the size and shape of a goose egg, and very handsome, in color a pale lemon mottled with waves of bright vi-



FOR half a century we have been making a specialty of **DOUBLE PETUNIAS** and our strain is accepted as second to none, either here or in Europe. We annually plant many thousand seedlings from which only the finest double fringed forms are selected for propagating purposes, thus improving the strain every season. We offer fifteen distinct varieties.

3-inch pots, 75c. per doz.; \$6.00 per 100; the set of 15 for \$1.00.
21-inch pots, 60c. per doz.; 4.00 per 100; the set of 15 for .75.

SEED OF OUR SUPERB STRAIN OF FRINGED PETUNIAS. Double, 75c per 500 seeds; \$1.50 per 1000 seeds. Single, 50c. per trade pkt. \$1.00 per 1-16 oz.; \$1.50 per 1/2 oz.

Our Quarterly Wholesale List offers a full line of seasonable Plants, Seeds and Bulbs.

HENRY A. DREER, PHILADELPHIA, PA.

FERNS MY SPECIALTY

150,000 assorted ferns for jardinières, excellent stock, in 15 of the best market varieties, including *Cyrtomium Falcatum*, *Aspidium Tsusemense*, *Pteris Wimsetti* and *Mayii*, in good proportion, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.

CENTER PLANTS (Exact Size)

- Kentia Belmoreana*, 2 1/4 in., \$1.30 per doz., \$10.00 per 100.
- Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
- Adiantum Cucunatum*, fine stock, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
- Adiantum Farleyense*, 4 in., \$4.75 per doz., \$35.00 per 100; 6 in., \$8.50 per doz., \$65.00 per 100, 6 in., \$12.00 per doz.
- Adiantum Rhodophyllum*, 4 in., \$2.50 per doz., \$20.00 per 100; 6 in., \$5.50 per doz., \$40.00 per 100.
- Adiantum Graecillimum*, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000.
- Adiantum Regina*, 4 in., \$3.00 per doz., \$22.00 per 100; 5 in., \$6.00 per doz., \$45.00 per 100.
- Cibotium Schiedelii*, 4 in., \$3.50 per doz., \$25.00 per 100.
- Nephrolepis Scottii*, 6 in., \$7.00 per doz., \$60.00 per 100; 8 in., \$15.00 per doz., worth the double.
- Elegantissima* and *Pieroni*, 6 in., \$5.50 per doz.
- Fern Spores**, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, Short Hills, N. J.

FERNS For Dishes

Fine strong plants from 21 in. pots, all leading varieties, \$3.00 per 100, \$25.00 per 1000. Cash with order.

EMIL LEULY, Summit Ave., West Hoboken, N. J., near Angeliue St.

olet. Inside the fruit resembles a pear, and tastes something like a banana, but is much sweeter and juicier. Very ornamental when in flower and fruit. An elegant pot plant; also fine for the garden.

Also the following letter: "In answer to P. B., New York, in the issue of January 11, 1908, I am confident the above described plant is the one he inquired about. If it is, it will be, in my opinion, a long time before he picks the first ripe fruit. I wish P. B. would keep us posted on how he succeeds. I would like to buy his first ripe fruit, if it is from the above plant, and he does not set his price too high."

Bushy Ferns

Unusually fine stock of the Holly Fern (*Cyrtomium falcatum*), *Pteris croatica* albo, *Pteris Wimsetti* e. c. 3 in. pots, 6c.; 2 in. pots, 3c. We have never had better plants and will give you very liberal count on January orders.

- Cibotium Schiedelii*, 3 in. pots for growing on, 20c.
- ASPARAGUS Plumosus**, extra strong 2 in. stock but with some of the foliage slightly disfigured. Give them a small shift and they will make fine plants. \$2.00 per 100.
- PRIMULA Obconica Grand.** In full bloom. 3 in. pots, 5c.; 3 1/2 in. pots, 6c.; 4 in. pots, 8c.

R. G. HANFORD, NORWALK, CONN.

FERNS For Jardinières

Best varieties, strong, healthy plants from 2 1/4-inch pots, \$3.00 per 100; \$25.00 per 1000. 500 at 1000 rate. 3-inch, \$6.00 per 100.

CIBOTIUM Schiedelii, 6-in. pots, \$1.00 each.

Nephrolepis Scottii, 7-in. 75c. and \$1.00 each, 9-in. \$1.50 and \$2.00 each.

FRANK N. ESKESEN, Main Street, Madison, N. J.

NEPHROLEPIS

WHITMANI, 2 1/4 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.

FERNs, Boston, 2 1/4 in. \$3.00 per 100.

Henry H. Barr.ows & Son, Whitman, Mass.

FERNs, FERNs, FERNs

Fine stock of assorted Ferns in best market varieties from 2 1/4 in. pots, at \$3.00 per 100 plants, or \$25.00 per 1000.

Cibotium Schiedelii from 4 in. pots, at \$30.00 per 100 plants.

THOMAS P. CHRISTENSEN, Short Hills, N. J.

FERNs

Boston, Scottii, 4 in. 15c.; 6 in. 40c. Some extra heavy Scottii at 50c. each. All pot grown.

ASPARAGUS Plumosus, 2 1/2 in., \$3.50 per 100

KENTIA Belmoreana, 4 in., \$25.00 per 100

Standard varieties of carnation cuttings at popular prices.

H. WESTON, Hempstead, N. Y.

The American Carnation rice \$3.50
A. I. Delta Mare Ptg. & Pub. Co., 2 Duane St., New York.

Fine strong plants, 2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$6.00 per 100, \$50.00 per 1000; 4 in. \$15.00 per 100.
KENTIAS, *Belmoreana* and *Forsteriana*, 4 in. 25c., 36c.; 5 in. 60c., 75c.; 6 in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each
PANDANUS Urtile, strong 2 in. \$3.50 per 100; \$30.00 per 1000.
AZALEAS INDICA, fine plants, 35c. to \$2.00 each.

FERNs

Boston and Piercon, 4 in. 15c., 5 in. 25c., 6 in. 50c., 7 in. 75c.
Whitman, 4 in. 25c., 5 in. 50c., 6 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.

Small FERNs for dishes in A1 shape, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, Mount Troy, ALLEGHENY, PA.

Araucarias

Nice plants from 5 in. pots—
4 to 5 Tiers
60c. each; \$5.50 per dozen.

THE CONARD & JONES CO.
WEST GROVE, PA.

Nittbold FLORIST

1657 Buckingham Place,
CHICAGO, - - ILL.

GARDENIA PLANTS SCOTTII FERNs
AND A GENERAL LINE OF
Decorative Stock
JOHN SCOTT
Rutland Rd. and E. 45th St., Brooklyn, N. Y.

ROBERT CRAIG & CO. ROSES, PALMS, CROTONs
CARNATIONS and Novelties in DECORATIVE PLANTS
Market and 49th Sts. PHILADELPHIA, PA.

ASPARAGUS Plumosus, 2 in., \$2.25 per 100; \$20.00 per 1000.
STOCKs, double white, 5 in., 10c.
REX BEGONIA, separate varieties, 2 in., strong, \$3.00 per 100.
ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100.
GERANIUMs, S. A. Nutt, *Heteranthe*, *Gloire de France*, strong plants, 2 in., \$2.00 per 100, \$12.00 per 1000. Mixed, strong plants, \$1.75 per 100; \$17.00 per 1000.
ARAUCARIA, 20 in., four tiers, \$1.00.
FERNs, Scottii, 4 in., 10c.; 5 in., 15c.
CANNAs, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.
Will exchange for Geraniums, R. C., Carnations, R. C. Write us.

J. H. DANN & SON
WESTFIELD, N. Y.

Rooted cuttings of all soft-wooded plants are in demand at this time by florists who do not propagate their own stock. Growers making a specialty of the rooted cutting business will find an advertisement placed in THE FLORISTS' EXCHANGE a very profitable investment.

The Everblooming Beauty

CARDINAL

THE WONDER OF THE CHICAGO SHOW

The best Summer and Winter Red Rose.

Our stock is true, direct from the originator, Mr. John Cook, Baltimore, Md.

Only 10,000 2 1/2 In. Pot Plants offered, Spring delivery.

Price, \$20.00 per Hundred; \$150.00 per Thousand.

WASHINGTON FLORISTS CO.,

WASHINGTON, D. C.

FRINGED Double Petunias

- Per 100
LANTANAS, 4 in. dwarf, rooted cuttings \$1.25
ABUTILON, R. C. six varieties, French dwarf 1.50
GAZANIA Splendens, R. C. 1.50
HELIOTROPE, dark, from soil 1.00
WEIBING LANTANAS, from soil 1.25
ASPARAGUS, Sprenger, 3 in., very strong 5.00
PETUNIA, Grandiflora, single in var. R. C. 1.25
SALVIA, tall and dwarf 1.00
STROBILANTHES Dyerianus, R. C. 1.25
GERANIUM, Mme. Salleron, R. C. 1.50
AGERATUM, White and Blue 1.75

GEO. J. HUGHES, Berlin, N. J.

CINERARIAS

Fine large 6 in. in bloom, ready for immediate use 35c. each.

FERNS

- BOSTON, 3 in. \$6.00; 4 in. \$12.50; 5 in. \$25.00; 6 in. \$40.00 per 100; 7 in. 50c. each.
PIERSONI, 3 in. \$6.00; 4 in. \$12.50 per 100
ASPARAGUS PLUMOSUS or SPRENGERI, 2 in. \$5.00; 3 in. \$6.00; 4 in. \$10.00 per 100.

W. J. & M. S. VESEY, Fort Wayne, Ind.

VINCAS

- Vinca var., fine large plants out of 4 in., \$6.00 per 100; 2 1/2 in., \$2.00 per 100.
ALYSSUM, double, in bloom, fine 2 1/2 in., \$2.00 per 100.
PRIMULAS, Obconica, baby and Chinese, in bloom, 4 in., \$5.00 per 100; 2 1/2 in., \$2.00 per 100.

J. C. SCHMIDT, BRISTOL, PA.

ORCHIDS

We shall receive this Spring large quantities of imported ORCHIDS, namely: Cattleyas, Dendrobiums, Oncidiums, Laelias, Vandas, etc. Our facilities for handling large consignments are second to none.

CARRILLO & BALDWIN, Secaucus, N. J.

Thousands of Orchids

In Sheath, Bud and Flower.

Write for particulars and catalogue.

JULIUS ROEHR'S CO. RUTHERFORD, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

Sander, St. Albans, England and 235 Broadway, Room 1, New York City.

ORCHIDS

We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices.

We have just received the following orchids: Oncidium Tigrinum, O. Sarcoodes, O. Forbesii, Sophronitis grandiflora and cocinea.

LÄGER & HURRELL, Summit, N. J.

CYCLAMEN

Splendens Giganteum Hybrids Extra well grown plants all colors in bud and bloom from 4 in pots \$15.00; from 5 in pots \$20.00 per 100

Primula Obconica

The celebrated Ronsdorfer & Latmans Hybrids in bud and bloom from 3 in pots \$5.00; from 4 in pots \$10.00; from 5 in. pots \$15.00 per 100

Cinerarias Hybrida Grandiflora

From 2 1/2 in. pots \$2.50; from 3 in. pots \$4.00 per 100.

Asparagus Plumosus Nanus

Well-grown plants from 2 1/2 in. pots \$3.00; from 3 in. pots \$5.00 per 100.

Cannas

Standard varieties 2-3 eye tubers \$2.00 per 100, \$17.50 per 1000.

Geraniums

Standard varieties cool grown stock from 2 1/2 in. pots. \$3.00 per 100, \$25.00 per 1000. SATISFACTION GUARANTEED

PAUL MADER, East Stroudsburg, Pa.

J. L. DILLON

The Verbena King BLOOMSBURG, PA.

20,000 Cuttings taken each week from 60 choice varieties of Verbenas.

Rooted Cuttings. Our selection of varieties 75c per 100; \$6.00 per 1000.

Plants, \$2.50 per 100; \$20.00 per 1000.

A FEW GOOD THINGS YOU WANT

Cash with Order.

- Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.
Asparagus Sprenger, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.

ASPARAGUS SPRENGERI SEEDLINGS

\$1.00 per 100.

Draconea Indivisa, 2 in., \$3.00 per 100.

FERNS, Scottii, 5 in., 30c. each.

Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100.

Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellana, Poltevine and Vland, 2 in. pots, \$3.00 per 100. Rooted Cuttings, \$1.50.

VINCA VAR., 2 in. \$2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Asparagus

Plumosus Nanus, Sprenger, 2 in. 2c. ROSE GERANIUMS, 2 in. 2c.

ROOTED CUTTINGS

below prepaid per 100.

Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c; Heliotrope, 3 kinds, \$1.00; Vinca Variegata, 9c; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Flowering Begonias, \$1.25; Coleus, 10 kinds, 60c; Hardy Pink, 5 kinds, 75c; Ageratum, Gurney, Pauline, Inimitable, white, 60c; Alternanthera, 3 kinds, 60c; Salvia, Bonfire, Splendens, 90c; Feverfew, Gem, \$1.00; Impatiens, 3 kinds, \$1.00; Parlor Ivy, 75c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

THE WEEK'S WORK

Timme's Timely Teachings.

Mignonette.

When the plants in a bed of mignonette show no signs of being exhausted after the first crop of flower spikes has been cut, it will pay the grower to induce them to furnish another. Although this second is never quite so good as the first, it is scarcely less desirable for the many purposes cut mignonette is made to serve and at all times brings its price. In marketing the first cut five or six inches more or less in the length of the stems amounts to no difference in the price obtainable for mignonette, but has all to do with quality of a succeeding crop from the same plants. From short, horn-hard stumps no fine second crop will spring, but if in cutting the first spikes caution is had to leave the remaining lower stem-end fully a hand higher than is usually the case, the chances for more to come in salable material and satisfactory returns are good. There will then be a break from the upper eyes into a growth which it is worth while encouraging by continuance of careful attention to the requirements of indoor mignonette. This, in the first place, includes care in watering. It is safer, especially when the first heavy top growth has just been cut away, to let the soil dry out occasionally to a reasonable degree than to keep it constantly wet, though the daily spraying should not be omitted. Then as the shoots lengthen staking and tying are necessary. Liquid manure is to be employed sparingly, both as to strength and frequency of application; a warning worth heeding as regards ventilation also at this season. One essential in the culture of mignonette, on the other hand, which is never over-supplied, is light, clear, unfeigned light, not to be had under an age-stained glass roof, and new houses, therefore, should be chosen for this culture, if there is a choice between old and new houses. In the cleaning of old greenhouse glass no process as yet has been hit upon which fully restores its original perfect transparency. Be it ever so clean it will never again be as clear as when it was new, as everyone can find out for himself by replacing a broken pane in an old glass roof with a new one. Now, if perfectly clear daylight must be counted upon in the production of high grade Winter-flowering crops of whatever kind, mignonette is the one that more than any other demonstrates its powerful influence on plant and flower development under glass. High grade mignonette for the market pays as well as anything else, but cannot be produced under weather-dimmed glass. All this—and there need be no doubt about it—explains why in general all crops grown under new glass are so much more satisfactory than those raised in old structures, although all other improvements in the modern house usually are given all the credit, the newness of the glass, really the most potent feature, never being considered.

Mignonette in Pots.

It should hardly be necessary to remind retail plantmen of the fact mignonette grown for the general pot plant trade is a good seller, not diffi-

cult to work into shapely and attractive specimens in less time than it takes with most other kinds of stock, and altogether a profitable thing to grow. Still, mignonette in pots is a scarce article in greenhouses run at high speed to produce stock deemed alone worthy of being grown for this line of trade and therefore in evidence everywhere to the entire exclusion of anything not seen at the neighboring florists'. Potted mignonette is not only an easily raised good seller, but also a most satisfactory house plant, being liked by everybody and much called for at all seasons.

In order to be supplied with a goodly number of nice plants in 4 and 5-inch pots for the Spring and Memorial Day trade it is necessary to sow the seeds now. The course of culture during this period will be an exceedingly smooth one, the conditions for normally progressing growth now being more favorable than at any previous period. It not nearly so tediously methodical as during the decline of the year. All kinds of mignonette may be grown into acceptable pot plants, but strains highly fragrant and of bushy, compact growth should be given the preference for this work. Good kinds for the purpose are Parson's White, Red Victoria, Machel, Goliath and a good strain of the old, common, sweet mignonette, of which latter, as also of Machel, three plants may be grown in one pot, together forming a dense bush, while of the others one plant in a pot is all-sufficient; and this one plant may be grown either into a compact pyramid without much or any training, or into the form of a half-standard tree, a stout bare stem supporting a well-balanced bushy crown.

All transplanting in the case of mignonette should as much as possible be avoided, though in order to save bench room we sometimes start the seeds in 3-inch and later on shift the well-advanced plant or three plants into 5-inch pots, taking care to disturb the roots in the operation as little as can be helped. In such a case we fill the 3-inch pot up to the rim with soil, sow half a dozen seeds in the center and with the bottom of an empty pot press all down quite firmly. Thus over-watering is not likely to occur, which is the one thing to be guarded against from the start. When the seeds are at once to be sown in the 4 or 5-inch pots, it is best, after having provided for drainage, to fill these up to about an inch or a little more below the rim, scatter the seeds in the center and firm as before described, filling in the balance of the soil required later on after the plants are thinned down to the strongest one or three wanted, they then needing this additional support to keep them firmly straight. In good, highly enriched soil, solidly firmed, and in the full light of a moderately warmed, not over-moist house, the plants, pinched back once or twice, will in due season finish up as fine stock.

Roses in Pots.

All roses potted up in November and expected to be in bloom for Easter must now be started into growth. In a low temperature, as low as between 40 and 45 degrees, for about ten days there is much gained in the starting of active root fibers before the leaf buds show any appreciable new life; and this gain is a telling one throughout the entire process of actual forcing. The next step to be

taken before the buds beat out neatly stake and tie up the canes of the Rambler varieties and to prune down to between three and six eyes the shoots of the hybrid perpetual and hybrid tea roses. On how this is done depends in great part the value of the plant when in bloom, yes, it may even be done so it never shows a bloom. This will happen if a strong branching rose is cut down too low, leaving none but blind wood eyes. And again, if the cut is made too high the finished though flowering plant will not be a nicely shaped one—the common defect in many of the potted roses of the hybrid permanent class. Pruning roses, especially potted roses, is an operation not hard to master but difficult to teach in black on white. The roses themselves are the best teachers; variety, character and condition clearly show to the somewhat practiced plantsman where the cut should be made for the bringing of best results.

The roses are usually moist enough at their roots when brought in to need but little water until foliage shows, while frequent light spraying is of benefit from the first day until the plants are sold. More water and a slow rise in the temperature are required as growth progresses. It is always safest to go slow at first, also to avoid any excesses or sudden changes when actual forcing is in full swing, especially as regards temperature and ventilation. Crimson Rambler and its later varieties in particular are easily ruined by a sudden fall in temperature or cold air currents, bringing and augmenting the trouble with mildew and greenfly, always hard to fight when once present and scarcely ever fully conquered before it is too late to save the foliage from disfigurement. Sixty degrees should be the maximum heat for Rambler roses; a few degrees less being preferable if time permits. Hybrid roses will invariably reach a more perfect finish in 55 degrees than in a temperature much higher. Nearly all the varieties of roses, dug up and potted last November, will in that degree of steadily held temperature as afforded from the time the buds show, with some less heat before that stage has been reached, want from about eleven to twelve weeks from start to finish, and nearly five weeks of this for the development of the flower buds at their first appearance into open or opening bloom at the end of the course. If some more heat should be found necessary—since weather conditions have a hand in all plans being carried out on specified time—it is best to afford the greater amount required after the buds have formed, and five degrees higher during the last stages in forcing usually suffice to make good last time.

Some varieties of roses grown in pots force uncommonly easy, but these, as a rule, are not the best appearing after being forced, nor the longest lasting when in bloom. The roses grown in pots all through the Summer and apt to ripen up their wood quite early, are, regardless of variety, the ones most easily managed and altogether the best for forcing, especially when a trade in early flowering potted roses is to be supplied. These require less heat and time in being worked into fine salable stock than field grown and Fall potted roses, but while the latter need very little or no strength upholding stimulant during forcing if potted in properly enriched rose soil, the former should be fed regularly with liquid manure after growth has started. Steadily held temperature, frequent sprinkling and care in ventilating will avert any great trouble with insects of any kind, and if entirely kept away by mild fumigation, regularly attended to, the roses will show up all the better for it.

Fuchsias.

It is not difficult to grow fine specimen plants in 8 and 10-inch pots by the middle of May from cuttings

struck in November or December, if fuchsias of extraordinary size are wanted. Fuchsias naturally start in with an unequalled rapid growth if only given half a chance, and when encouraged by favorable conditions and proper attention to keep this up until the desired height, spread and shape have been attained, not allowing any intermission in rapid headway all that time, which would only induce them to form buds and stop all further growth of stem and branches, grand specimens are had in six months. Such plants are fine for store window and show house, the glory of the conservatory after most of the Winter-blowing plants have ceased to cheer and attract, and it is well to raise a few fuchsias of this description for this purpose, but to fill a large space with stock of this kind in a house built and conducted for the bringing of profit is not wise.

There is more money in the raising of fuchsias of true marketable size. The ideal plant for the commercial florist and the one finding most favor with buyers is the bushy, nicely shaped fuchsia of from nine to twelve inches in height in a 4 or 5-inch pot, every branch clothed in crisp, healthy foliage and tipped off with a cluster of bloom in all stages of perfect development from the bead-like tiny buds to the fully expanded gaily hued blossoms. This is the kind that the people not only admire but also buy; it is the fuchsia that in its raising adds profit to pleasure for the grower. Fuchsias sell well from early in the Spring until the end of Summer as flowering potted plants from the greenhouse, but florists should not be over-ready to use or to recommend them for the filling of vases or window boxes or for bedding display, unless they are fairly sure of their being so employed in well-shaded positions and under the care of attentive persons during the hot months of the season. As an outdoor Summer display, massed in freely exposed borders, fuchsias are a decided failure, while as greenhouse plants proper they have lost none of their prestige.

This is a very good time for the starting of cuttings to be grown into fine plants for a season when fuchsias are most in demand. All the varieties of compact habit, single and double-flowered, are good for the purpose. The condition of the cutting to be rooted has much to do—more than variety with the making of fine plants. Misshapen, distorted shoots or the listless tips of leafless branches will make roots, but never good plants, and should therefore not be taken. Dormant stock plants, taken from their resting quarters, cut back to ripened wood, replanted in fresh soil and placed in a warm tolerably moist atmosphere, with clear light overhead at this season, are not slow in producing the right kind of cuttings. These in the form of well-shaped, close-jointed, rapidly developing shoots should not be taken off before they have attained some size and solidity of texture at the butt-end or heel. Then cut or broken off and freed of the lower leaves they will root with good bottom heat in so short a time that no interruption in growth is apparent. And for this reason and to prevent any further disturbance, it is best to have them form their roots at once in small pots filled with sandy soil and placed on a bottom warmed bench. Any house in which roses can be grown and flowered to perfection will suit fuchsias at present, while later on toward Spring a shading on very bright days will be of benefit. One shift from the small pots, after the roots hold ball, into the 4, 5 or 6-inch pots—if these latter seem to be required for an exceptionally strong variety—will result in bushier plants than frequent short shifts. The stopping of the plants is not necessary; only unruly side-growths, marring symmetry of shape, may need a pinching back occasionally. Very rich, unsifted compost should be used in potting, and frequent sprinkling is what fuchsias enjoy.

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JUST LOOK! An ARAUCARIA ROBUSTA COMPACTA OR EXCELSA GLAUCA, worth a ten dollar bill, perfect shape and color, 6-7 in. pots, 6-year old, 4-5-6 tiers, 28 to 10 in. in height, the same in width, only \$3.00, 6-7 in. pots, 6-year-old, 4-5-6 tiers, 25 to 28 in. height, \$2.00 and \$2.00, 6-7 in. pots, 3-year-old, 3-4 tiers, 18 to 25 in. high, \$1.50 to \$1.75. **Excelsa**, 6-7 in. pots, 5-6 tiers, 25 to 30 in. high, \$1.50, 6 in. pots, 5-year-old, 5 tiers, 22 to 25 in. high, \$1.00 to \$1.25; 6 in. pots, 4-5 tiers, 4-5-year-old, 18-20-22 in. high, 75c.; 2-year-old, 2-3 tiers, nice little plants, 6-8 in. high, 40c.

WITTMANN, larger than 8 in. pot, planted in 7 in. pots, made up in June, three plants in a 7 in. pot, now as large as a bushel basket, price, \$1.25 to \$1.50 per pot; middle size, 75c.; very heavy specimens, \$1.00 per pot; 6 in. pots 60c to 75c.

PIERSONI FERNS 4 in., 25c.; 5-5½-6 in. pots, 35c.-40c.-50c.

PTERIS WILSONI, 5½ in. pots, very handsome, much admired fern, 20c.

AZALEA INDICA. Have an immense stock now planted in 6 in. and 7 in. pots, were grown for us under contract by an Azalea Specialist in Ghent, Belgium. Have only the leading varieties such as, *Mme. Van der Cruyssen*, 12500 of this well known variety of the finest shape, full of buds, *Niobe*, *Bernard Andrew Allen*, *Deutsche Perle*, *Simon Mardner*, *Empress of India*, *Prin. Walters*, *Apollo*, and by doz. more popular sorts, price each, 75c., \$1.00, \$1.25, \$1.50, \$1.75, \$2.00, \$2.50 each.

BOSTON FERNS. Have about 2,000 of Boston Ferns, 7 in. pots, made up as bushel baskets, worth \$3.00, \$1.25 to \$1.50 each, 7 in. pots, as large as bushel basket, worth \$2.00, cut down to 7-8 in. and \$1.00 each, 6 in. pots, very large, worth \$1.00, only 50c., 5-6 in. pots, 50c. and 40c. each.

KENTIA Forsteriana and *Belmacrana*, 18-20-22 in. high, 5-7 in. pots, bushy, 5-6 in. pots, 50c. and 40c.

LAFANIA Borbonica, 4 in., strong, 25c. each.

COCOS Weddelliana, 3 in. pots, 10-12-15 in. high, 15c.

ARICA Lutescens, 4 in. pots, made up three plants in a pot, 18-20-22 inches high, 20c. each.

FICUS ELASTICA or **RUBBER PLANTS**, home grown and Belgium stock, 18-20 to 10 in., 5-5½ to 6 in. pots, 25c.-35c.-40c.-50c. and 60c. each, 7 in. pots, 75c.

ASPARAGUS plumosus nanus, 3 in. pots, \$7.00 per 100, 4 in. \$10.00 per 100; all bushy plants.

HYDRANGEA OTAKSA. Now is the time to force *Hydrangea Otaksa* for Easter blooming. Remember only pot grown will form successful for Easter; we grow ours in pots in the summer and plant them in cold frames (row inside); have about 500 to spare, 6 in. and 7 in. pots, 25c., 35c., 50c. and 75c. each.

BEGONIA, new improved *Erfordi*, 4 in., strong, 20c.; 5½ in., 25c. each.

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Hydrangeas.

Easter is somewhat late this year and hydrangeas of the hortensis and Otaksa types, if not already started, may yet be brought forward and forced into bloom in good season for that holiday. Well-grown hydrangeas in flower, however, can be disposed of as readily after Easter as at any time, bring as much, and especially in demand at Decoration Day. The handling of very large plants, as our greenhouse space must now be utilized, does not pay when this includes early forcing, but a goodly number of small and medium sized hydrangeas for the early Spring sales can be grown with the expectation of the cultivator being liberally rewarded for the labor involved in the room taken up by the plants. It is important that hydrangeas to be forced have their wood thoroughly ripened, which, if not started sooner, they should be by this time. Besides this, they should show good sized, pump terminal buds, and if these in a month from now have progressed to development to the extent of

CINERARIAS!

for Easter sales. Dwarf, giant flowered, all shades and colors. Cool grown, stocky plants, 2½ in. \$2.00, 3 in., \$3.00 per 100. Cash with order.
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plainly exhibiting the trusses in their beginning stages of advancement the hydrangeas will be in full bloom by this year's Easter. From 55 to 60 degrees is a high enough temperature for hydrangeas under forcing. Much water is required to keep the roots of a growing and flowering hydrangea steadily moist. A dose of liquid manure before and while the trusses are coloring up, given about twice a week, has an almost immediate effect in imparting intensity of color to flowers and foliage. Sturdy, short side growth put forth by hydrangeas during forcing, sometimes amounting to a great number of stout, little shoots all along stem and branches, forms good material for propagation the cuttings rooting readily at this season and growing into good stock for next year. **FRED. W. TIMME.**

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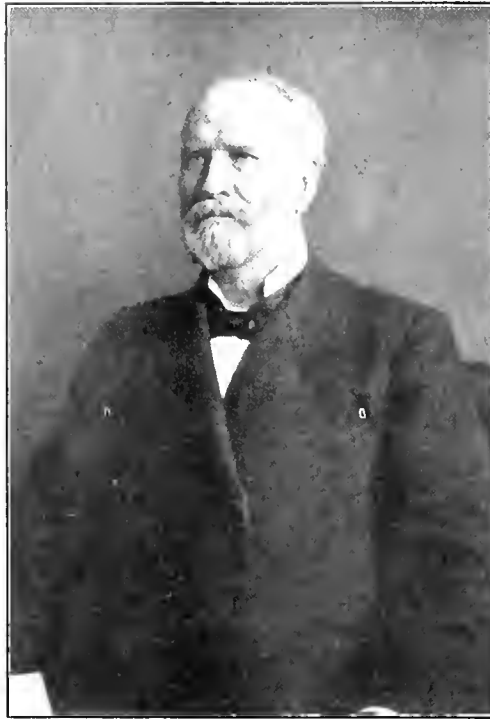
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Wednesday, January 29, is McKinley Day, when no doubt, as formerly, many carnations will be worn throughout the United States in memory of the martyred president. Retailers should draw attention to this occasion by making special window displays of carnations appropriate thereto, and encourage the public in celebrating the event by keeping the price of the flowers within reasonable bounds.



Professor N. E. Hansen.

Secretary of Plant Section, American Breeders' Ass'n.



Hon. James Wilson, Secretary U. S. Dept. of Agr.
President American Breeders' Association.

Improvement of Plants by Hybridization.

In view of the fact that the breeding of carnations is to form an important topic of discussion at the Washington meeting of the American Carnation Society next week, the following brief account of the work of the earlier plant hybridizers, taken from the Connecticut Experiment Station Bulletin 158, may not be without interest at this time. The author of the bulletin is Dr. Edward M. East.

"The practical application of artificial cross-fertilization to the production of new forms dates from the beginning of the eighteenth century when Thomas Fairchild, an English gardener, crossed the carnation with the sweet william. The hybrid was almost sterile, but proving to be a valuable variety, it was propagated by cuttings for many years. This novelty seemingly aroused little enthusiasm for the scientific study of crosses, and no important generalizations were made until about 1760. At this time Kölreuter began a systematic study of hybrids, and obtained a knowledge of their behavior that was not greatly increased until the last quarter of the nineteenth century.

"Kölreuter established upon a firm basis Camerarius' previous discovery of the sexuality of plants. He also found that hybrid plants resembled the pollen (male) parent as closely as they did the seed (female) parent. Further, that in most cases it made very little difference in the final result of a cross, as to which of the two parents was used as the pollen and which as the seed parent. That is, the products of reciprocal crosses are nearly identical and the male parent transmits as many characteristics to the hybrid as the female parent.

"Kölreuter, without the apparatus of the modern microscopist, came very near discovering the mechanism of fertilization. We now know that the application of pollen grains to the stigma of the flower's pistils is merely a mechanical act. The pollen grain contains a minute structure called the nucleus, which passes down the style of the pistil through the growing pollen tube, into the ovary, where it unites with a similar nucleus in the ovule. (fertilization). From this one cell the embryo in the seed and later the whole plant is formed by exact and equal divisions. Kölreuter believed that fertilization consisted in the mingling together of two vital fluids, one contained in the pollen and one contained in the stigma, and that these passing down the style started the ovule to developing into the seed. He actually determined that about fifty pollen grains were sufficient to mature at least thirty seeds. It is marvelous how near the right path he was, with such limited facilities.

"Kölreuter also found that by repeatedly recrossing a hybrid with one of the parent varieties from which it was derived, he could finally obtain individuals that were indistinguishable from that parent species. Furthermore, he found that there were exceptional cases where reciprocal crosses could not be made. *Mirabilis jalapa* (female parent) was easily crossed with *Mirabilis longiflora* (male parent), but with eight years' work he did not succeed in making the reverse cross. We now know that a reciprocal cross is sometimes impossible, because of a seeming mechanical inability of the nucleus of the pollen to break through and gain admission to the nucleus of the ovule. When this difficulty is artificially overcome the fertilization is possible.

"In the beginning of the nineteenth century we have the work of Thomas Andrew Knight, an English plant physiologist, who has very justly been called the father of modern plant breeding. Knight was probably the first who really appreciated the immense possibilities of hybridization as a means of improving domestic plants, although it is only fair to state that the principle of selection was known and made use of in improving strains of cultivated plants by Joseph Cooper of New Jersey at a somewhat earlier date. Kölreuter's work was theoretical, while Knight, in addition to his contributions to theory, made definite practical use of his knowledge gained by experiments. The commercial varieties that he obtained through crossing were numerous and important.

"Knight's greatest contributions to knowledge will probably always be known from the two following principles that he proclaimed; but science owes him a still greater debt from the fact that he was a pioneer of the type of inductive experiment. He generalized from his experiments instead of making theories to prove by philosophical discussion. Knight's first principle was that modification of the food supply is the leading cause of variation. If we write fluctuating variation instead of variation, the principle is still accepted. He also found that the products of crosses were often more vigorous than the parents of the hybrid; and that a strain of plants that had deteriorated through continued self-fertilization could be renewed in vigor by crossing with another strain. This conclusion has since become known as the Knight-Darwin law. Darwin supplemented Knight's work by many experiments comparing cross-fertilization with self-fertilization and expressed his results in this terse saying: "Nature abhors perpetual self-fertilization." Darwin's results, however, rest on a rather slender basis. He used characters such as heights of plants as a measure of vigor, and these are far from desirable standards. There are also many cases known, such as tobacco and wheat, where self-fertilization is indefinitely continued by nature without evil results; in fact, with them a decrease in vigor seems to be the immediate effect of a cross. The Knight-Darwin law should probably be changed to read: Nature re-



Hon. W. M. Hays, Ass't. Sec'y, U. S. Dept. of Agr.
Secretary American Breeders' Association.

CLUB AND SOCIETY DOINGS.

Society of American Florists and Ornamental Horticulturists

sists any sudden change in long established conditions.

"During the remainder of the nineteenth century several noted investigators into the phenomena attending hybridization lived and worked. Gartner, Naudin, Poëke, Vilmorin and many others contributed large numbers of important facts, but made no great generalization.

"It was found that in general the closer the botanical relations of two plants, the more easily they will cross. Crosses between varieties are generally very easy to make; those between Linnean species have been made in quite a number of instances, while crosses between genera and families are rare, although they have been recorded. Close botanical relationships, however, are not unfailing proofs of the easy production of hybrids; Bailey states that the squash absolutely refuses to cross with its near relative the pumpkin, while on the other hand Poëke mentions successful crosses between parts of the lily and amaryllis, and of the figwort and gloxinia families. It was likewise discovered that hybrids arising from widely different parents are usually much more likely to be sterile than are those from nearly related parents. But this rule is by no means without exceptions, for a number of hybrids between different Linnean species are known that are perfectly sterile. Sterility of hybrids among themselves does not always unfit them as prospective commercial varieties, as they are often fertile with one or other of their parents, and the progeny of this cross are fertile among themselves. In other cases infertile hybrids can become of great value through propagation by means of cuttings, grafts, tubers, etc.

"It was also early discovered that when two kinds of pollen were placed on the stigma of a plant at the same time, only one kind was effective in the fertilization. This was called prepotency of pollen. It is thought to be due to the great activity of some kinds of pollen grains, since some send out their pollen tubes faster than others and hence their nuclei reach the ovule first. The pollen of a different variety is often prepotent over pollen from the plant itself. In other cases, as in the potato, the plant's own pollen is prepotent over that of other varieties."

We can see from the above short account that although many experiments of merit were conducted, and quantities of isolated facts were observed and recorded, still no great principle was established until the work of Mendel, which was described in a previous issue of this paper. (See Vol. XXIV, page 44.)

BOSTON (MASS.) GARDENERS AND FLORISTS' CLUB.

The meeting of this club on Tuesday evening was unquestionably one of the finest gatherings we ever had. It was ladies' night and the members and their lady friends turned out to the number of about three hundred. There was only a little business transacted, the main part of the evening being devoted to the social entertainment features. An exhibition was a fine lot of geranium blooms and Freesia Purity from W. N. Craig, who was awarded a report of merit for the latter. David Weir exhibited a fine plant of Mochlosma riparium, for the superior cultivation of which he received honorable mention. F. W. Fletcher showed a vase of nice Eucharis amazonica.

The secretary in his report for the year said that 63 new members had been elected, that the largest attendance at any meeting was 316, the smallest 110, and the average for the year 153. The treasurer's report showed in the general fund a balance of \$658.39, in the landscape class fund \$205.88, and in the entertainment fund \$193.12. The club's expenses for printing, hall rent, secretary's salary, etc., had been \$521.37 and the receipts for dues had been \$720.50.

Resolutions on the deaths of W. W. Edgar and John Clark were read and adopted, as follows:

WHEREAS: Wilham W. Edgar, a member of the Gardeners and Florists' Club of Boston departed this life on December 18, 1907. Be it

RESOLVED: That the club herewith expresses its profound sorrow at the death of one who had exhibited energy and progressiveness in his business life; love and devotion to his family and friends and to justly merit the high regard of all who knew him.

We honor his memory and express our unfeigned regret that he was not spared to continue the good which resulted from his labor and judgment;

RESOLVED: That the Gardeners and Florists' Club tender its sympathy to the family of the deceased and that a copy of these resolutions be entered upon the records of the club.

(Signed) Edward Hatch, } Committee.
Wm. J. Stewart, }
Patrick Wele, }

WHEREAS: The Great Supreme Ruler of the Universe has in His infinite wisdom removed from among us by accident one of our worthy and esteemed members, John Clark, and;

WHEREAS: The long and intimate relation held with him as a faithful member of the club makes it eminently fitting that we record our appreciation of him. Therefore, be it.

RESOLVED: That the sudden removal of such a life from our midst leaves a vacancy and a shadow that will be deeply realized by all the members and friends of this, the Gardeners and Florists' Club of Boston, and will prove a serious loss to the community and public.

RESOLVED: That with deep sympathy with bereaved relatives of the deceased we express our hope that even so great a loss to us all may be overruled for good by Him who doeth all things well;

RESOLVED: That these resolutions be forwarded to the bereaved relatives and a copy spread upon the records of the club.

(Signed) H. E. Fiske, } Committee.
Thos. J. Gray, }
Peter M. Miller, }

During the evening piano selections were rendered by Mrs. Brough; songs by Mr. and Mrs. Brough, Frank Cannell, Mrs. Whittel and Miss Hanigan. Speeches were made by Wm. Downs, the vice-president; Thos. J. Gray, J. K. M. L. Farquhar and S. S. Skidelsky of Philadelphia, who praised the club for its progressiveness and urged as many members as possible to attend the Carnation Society's convention in Washington. Refreshments were served and it was a late hour before adjournment was made. J. W. DUNCAN.

WASHINGTON (D. C.) FLORISTS' CLUB.—There was a special meeting of the Florists' Club on January 21, in order to arrange all final details for the convention and exhibition of the American Carnation Society, which opens in National Rifles Armory on January 28. It was generally predicted that the show would be of a most excellent and attractive character. Letters from Secretary Wilson and Commissioner MacFarland were read, regretting the inability of each of those gentlemen to attend the banquet at Rauscher's on the night of January 30.

F. H. Kramer had a fine specimen of his yellow rose on exhibition, which was much admired. Mr. Kramer was appointed chairman of the reception committee; Wm. F. Gude, chairman of committee on decorations for the banquet hall. Admission to the exhibition will be free, January 29 being McKinley day, it was very appropriately decided to distribute the carnations to the public on that evening. The superintendent of the exhibition is Chas. McCauley, who will receive and look after the various consignments.

President Bisset has arranged to lessen the usual height of the exhibition tables that the flowers may be shown to better advantage. Appeals of the strongest character were made that the growers should contribute liberally to this show.

February 4 is the next regular meeting night of the club, and it bids fair to be most interesting and lively, as the nomination of officers for the coming year will take place. JAS. L. CARBERY.

President Treadwell has appointed the following gentlemen State vice-presidents for Michigan: A. Pochelon, 153 Bates avenue, Detroit, and Henry Smith, Grand Rapids. W. N. RUDD, Secretary.

Ladies' Society of American Florists.

All members of the Ladies' Society of American Florists attending the American Carnation Society's meeting at Washington, please wear your badges.

The Ladies' Society returns thanks to "Job" for his kind words, and hopes he will be able to say many more of them.

Mrs. W. J. Vesey, President.
Mrs. Chas. H. Maynard, Secretary.



Patrick McDonough.

Patrick McDonough, a well-known florist, died on Monday, January 13, 1908, at his home, 334 North Second street, East Newark, N. J., following a long illness. Mr. McDonough had carried on a florist business in Kearny and Arlington for many years and was a large property owner in Kearny. He was a resident of West Hudson over fifty years.

He is survived by a widow, a daughter and two sons, James McDonough, of Newark and William J. McDonough, of Harrison, N. J.

J. F. Noll.

John Franklin Noll, seedsman, died suddenly at his home in Newark, N. J., on Wednesday morning, January 22, of pleuro-pneumonia. Mr. Noll had been ailing for four or five weeks, but was able to be around until Sunday night, when he took to his bed.

The deceased was born at Morristown, Pa., April 30, 1870. He received his education in the College of Reading, Pa., and after completing it went to work for a Philadelphia book house, where he remained for eleven years. Some eight years ago he went to Newark, N. J., and started in the seed business under the firm name of J. F. Noll & Company. Here, by enterprise and hard work, he had built up an extensive business, particularly among the truck farmers in the South, his trade in that locality increasing yearly.

Mr. Noll was a young man of great energy and industry, possessed of a genial personality, and was highly esteemed by all with whom he came into contact, either in a business or social way. He leaves a widow, who will continue the business. Funeral services will be held at St. Antoninus' Church, South Orange avenue and Ninth street, Newark, N. J., on Sunday, at 2.30 p. m. The relatives will meet at the house, 284 South Eighth street, at 2 o'clock. Interment will be at the convenience of the family.

C. H. Shaffer.

Christopher H. Shaffer, a well-known nurseryman of Cascade, Ia., died on Tuesday, January 7, after a brief illness.

Mr. Shaffer was born in Lorraine, then a province of France, but now a part of the German empire, on January 5, 1823. His father who had been a soldier in the service of Napoleon, emigrated to the United States in 1831 and settled in Ohio and later in Indiana. Mr. Shaffer spent his boyhood and early manhood in the arduous labors of the farm. Possessing industrious habits and an upright personality he early in life laid the foundation of the sterling character which made of him the useful and reliable citizen that he was. In addition to general farming, he gave much attention to horticultural development. His nursery stock, which he, in association with his sons, had grown for many years, was widely known in eastern Iowa. In recent years he had not been actively engaged, having resigned the labors to his son, N. M. Shaffer. He leaves a widow and seven children.

A FULL REPORT of the meeting and Exhibition of the American Carnation Society, to be held in Washington, D. C., January 28 to 30, inclusive, will be given in next week's issue of The Florists' Exchange. A splendid opportunity will be afforded advertisers of carnations to present their offerings in that number. Don't fail to take advantage of this excellent chance to let the carnationists of the country know what you have to sell. Send in your copy early.

OUR READERS' VIEWS

Salvia Zurich.

Editor Florists' Exchange:
In The Florists' Exchange of January 11, page 41, I noticed an article on Salvia Zurich by a correspondent in Ohio, and would like to say I am as favorably impressed with it here in Massachusetts. I had only a limited number of plants on trial, but found they flowered from three to four weeks earlier than either S. splendens or Bonfire, being also somewhat dwarfer and a more profuse bloomer. I am sure that its earliness alone will make this one of the most popular salvias for the florist.
Mass. E. W.

Hardiness of Cycas Revoluta.

Editor Florists' Exchange:
Seeing the question asked in your issue of the 11th inst., regarding the hardiness of Cycas revoluta I will give you my experience with same, trusting S. S. will benefit by it. We have here four large beds, with very fine specimens which we cover on cool nights with unbleached muslin. There is also a little bed in front of my cottage which has never been covered. During the Winter of 1906 the thermometer registered as low as 21 degrees and it freezes here at 40 degrees. I may say all of the beds are fully exposed to north winds and it did not hurt them in the least.

We also have a very fine specimen of Camellia japonica, fully 12 feet high, which is left uncovered, being simply covered when in bloom.

Georgia. F. JENKIN.

AMERICAN CARNATION SOCIETY.

Reduced Railroad Rates to Washington, D. C.

Reduced rates can be obtained in the following States only (the Central Passenger Association having refused the special rate, thus cutting out the States of Ohio, Indiana, Michigan and Illinois. Members from these States will do well to buy tickets to Pittsburg and from there to Washington on the certificate plan, or get special rates for parties of ten to Washington): Mississippi, Alabama, Georgia, Florida, South Carolina, North Carolina, Tennessee,



Albert M. Herr,
Secretary A. C. S.

Kentucky, Virginia, West Virginia, Maryland, Delaware, New Jersey, Pennsylvania, excepting the northwest corner north and west of Pittsburg and west of Franklin, Oil City and Warren, New York, except the territory west of Salamanca and Buffalo, Connecticut, Rhode Island, Massachusetts, Vermont, New Hampshire and Maine. All of these States



William Nicholson,
One of the A. C. S. Judges.



Fred. H. Lemon,
President American Carnation Society.

will issue certificates with their tickets if asked for, making the rate one and one third.

Through some misunderstanding the New England Passenger Association instructed its agents to issue certificates for the meeting of the Breeders' Association to be held in Washington, D. C., January 28 to 30, in conjunction with this society, but failed to add that certificates should be issued to either the Breeders' or the Carnation Society, as both are to be counted as one meeting. This has been changed and covers the whole of the New England Association excepting the Eastern Steamship Company. Certificates will be issued for the Carnation Society in this territory the same as in previous years.

If you cannot get a certificate for the Carnation Society meeting and the agent has instructions to issue for the Breeders' meeting, buy your ticket for that meeting; it will be honored in Washington and you can then get the reduced fare to return home.

We want everybody interested in carnations to come to his meeting, and if possible bring along an exhibit; you will be getting into good company both in the exhibition hall and the meeting room.

More Special Premiums.

In addition to the prizes offered in the premium list, the Berry & Whitmore Company offer a silver cup for the best vase 50 blooms of light pink (Enchantress shade) either novelty or standard sort, but separate from other exhibits.

W. J. Vonderheide offers a very fine silver cup for a vase of 100 blooms of the best carnation to be disseminated for 1908. This exhibit must also be separate from all others excepting that it can enter for certificate of merit with the same vase.

In consideration of the lateness in the offering of these prizes they can be entered for at the meeting in Washington without extra charge. Any one not a member of the society and not acquainted with its rules and regulations, can by joining at the meeting make entries for the show free of charge. Members who have neglected to send in their entries or have additions to make can make them at the meeting by paying \$1 for each entry made. Everything impossible will be done to make the work of exhibitors easy and expeditious. We have a fine lot of entries now, want more for the above prizes, and any of the other numerous ones offered in the premium list.

Any mail sent the secretary after this issue of the paper must be forwarded to The Raleigh Hotel, at Washington, D. C., to reach him.

ALBERT M. HERR,
Secretary.

The American Carnation Society has had prepared a very attractive and appropriate Life Membership Certificate; it states that the society is an organization for the advancement of the carnation as a flower, the holding of exhibitions, and the preservation of literature pertaining thereto for reference and knowledge. Clusters of carnation flowers form the border design.

Tierney's Seedling Carnations.

The writer recently had the pleasure of seeing a fine batch of 330 seedling carnations. Sheltered from the north winds by the Atlantic Highlands, and to the south the picturesque Shrewsbury River in full view, here, in this quiet, restful place, is the country estate of Mr. Robert Hartsborne. While the greenhouses are not as extensive as are seen on some private establishments, nevertheless carna-



Peter Bisset,
Vice-President A. C. S.

tions are grown to perfection by Malachi Tierney, the gardener. Some six or seven years ago Mr. Tierney began the raising of seedling carnations, and, backed by the liberal support of his employer, he certainly has had marked success. I may say that he has been successful in two ways: First, in raising some very promising seedlings; second, in getting his employer very much interested in the progress of carnation culture.

A seedling that impressed me very much is now in its fourth year, although there has been no stock of it disseminated yet. It is a cross between General Abasco and Mrs. T. W. Lawson. I was told by Mr. Tierney that he started cutting from this variety on the eighth of September, 1907, and from that time to the first of January, 1908, some 8,000 blooms were cut from 330 plants. I, myself,



Fred E. Dornor,
Treasurer A. C. S.

prohibiting flowering quality. It is a fine specimen to be seen to be appreciated.



Richard Witterstaetter.



Charles Willis Ward.

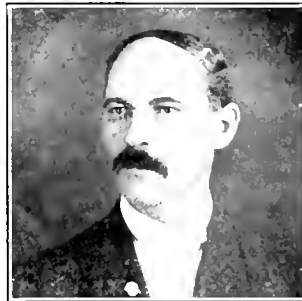


Fred. Dörner, Sr.

counted twenty flowers and buds to a plant, and a conservative estimate would be from eighteen to twenty buds and flowers to each plant. I do not class this as the largest carnation on the market, but I do class it as a good "bread and butter" carnation, having a good stem, healthy foliage, and in color being a splendid red. The size of the flower averages from 3 to 3½ inches. Mr. Tierney tells me the average cut from it, compared with the other varieties he grows, is as five to one. The other sorts comprise Mrs. T. W. Lawson, Enchantress, White Perfection, Winsor and others, and they certainly are all in the pink of condition.

I understand this variety will be on exhibition at the coming show of the American Carnation Society next week in Washington, where I have no doubt it will be seen to good advantage. But the

There are two or three other promising seedlings on the place, which, if I am not mistaken, will be



S. S. Skidelsky.

Prosperity, a strong, vigorous variety, throwing an exceptionally large flower, with a firm, strong enough to support the bloom erect. Also a promising pink, which no doubt will show up to better advantage another year when the batch is increased, as now there are only about half a dozen plants of it.

Mr. Tierney is to be congratulated on the success he has obtained from the different crosses he has made during the past few years.

Oceanic, N. J.

WM. TURNER

THE WORCESTER COUNTY (MASS.) HORTICULTURAL SOCIETY has issued its schedule of premiums for exhibitions to be held in 1908. The chrysanthemum show takes place November 12. Prizes are also offered for exhibits by the children of Worcester County under 14 years old, to be held on August 1 and August 29, 1908.

heard from later. There is a very large white, the result of a cross between White Perfection and



Peter Fisher.

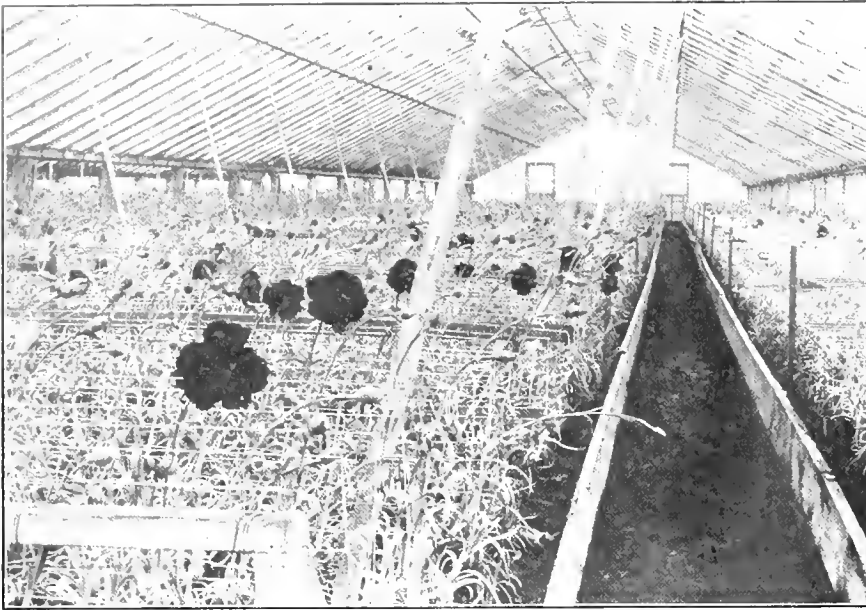


Dr. B. T. Galloway.



Willis N. Radd.

SOME OF THE MEN WHO WILL TAKE A LEADING PART IN THE PROCEEDINGS OF THE AMERICAN CARNATION SOCIETY AT WASHINGTON, D. C., NEXT WEEK.



Carnation Defiance at Establishment of Jensen & Dekema, Chicago, Ill.

Carnation Defiance.

This is a seedling which flowered first in 1902 and is now in its sixth year. The cross was Estelle on a scarlet seedling, having General Maceo, Mrs. McBurney, Lizzie McGowan and William Scott blood in it. Its habit may be described as a compromise between that of General Maceo and Estelle. It retains all, and we believe more than the free blooming habit of Maceo. It is the same compact upright grower and produces absolutely no superfluous grass. The color is better than that of Estelle and we believe it the brightest so-called scarlet in cultivation. It is early and continuous in bloom. The form is fine and under ordinary conditions the flower reaches a size of three inches. The stem is longer than that of Estelle; in fact, it is amply long, growing from two feet to thirty inches. The plant has a fine constitution and is free from disease. We now have a bench in good shape which was grown in the house last year, lifted, planted in the open ground, grown through the Summer and planted in again at the usual time in the Fall.

This variety is not a show carnation and cannot compete on the exhibition table. We believe, how-

ever, that it is the commercial scarlet for all purposes, and we feel sure it will make a record for itself in dollars and cents for those that grow it.

W. N. RUDD.

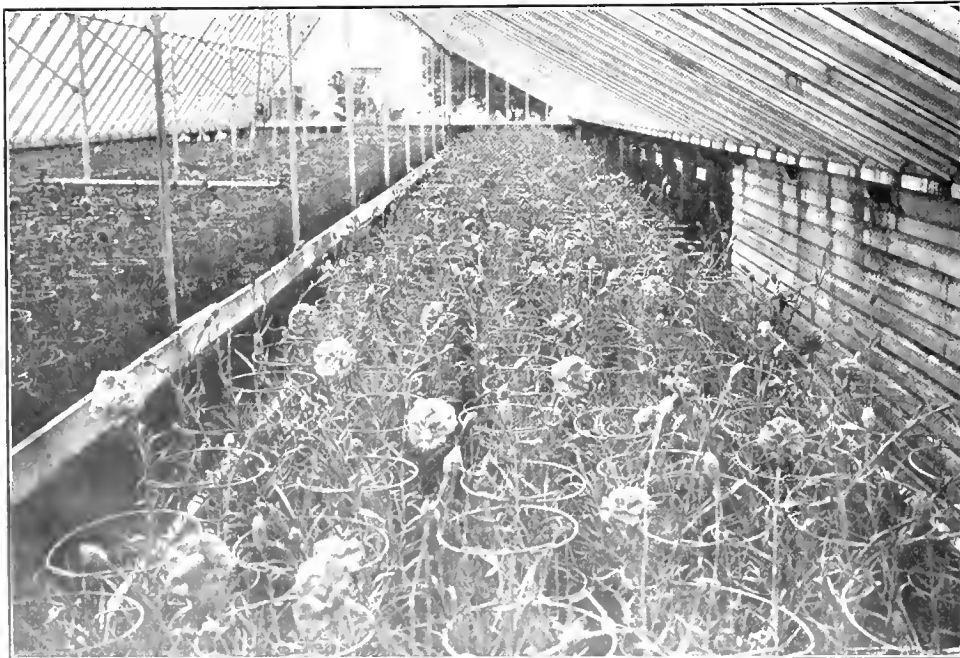
The accompanying photograph taken at the establishment of Jensen & Dekema, Chicago, joint introducers of the variety with Mr. Rudd, on January 17, shows benches of the variety after a day's cut had been taken. The long, graceful stems, large flower heads, and profusion of bloom are all plainly noticeable in the picture. Mr. Jensen expects to make a creditable exhibit of Defiance at the Washington convention of the American Carnation Society, accompanying it in person.

House of Carnation Afterglow.

The illustration herewith shows a house of Afterglow carnation that was planted on August 8, 1907, and photographed seven weeks later. These plants were propagated the first week in April, potted in 2 1/4-inch pots May 10; and planted in the field June 2. The blooms could be cut with stems ten to fourteen inches in length at the time the photograph was taken.

Cincinnati, O.

R. WITTERSTAETTER.



House of Carnation Afterglow.

Grower, R. Witterstaetter, Cincinnati, O.

Carnation Miss Sarah Hill.

(See Illustration, page 111.)

Our illustration shows a bloom of carnation Miss Sarah Hill, a variety raised and being introduced by the B. K. & B. Floral Company, Richmond, Ind., who describe it as follows:

"The color of Miss Sarah Hill is a pure white, with enormous flowers, measuring as large as 4 1/4 inches, with a full center and a broad guard petal, which gives it a grand form. The stem holds the flower up in grand shape at all times and is 24 inches in length, even giving long stems early in the season. The growth is ideal, having the dark green cast to the foliage that the growers all like so well. The plants are quick to recover after planting from the field, also from the sand. It produces more flowers than Enchantress, even doing better than Enchantress during the dark days of Winter.

"It has stood the necessary test as to its shipping and keeping qualities, and has been satisfactory in every case, leaving one with no fear whatever. It has scored as high as 91 points. It has been termed by all who have seen it the grandest white yet raised, and also as wonderful in the way it produces flowers and the flowers being so large."

Miss Hill's opinion of this carnation is contained in the subjoined testimonial:

"I am glad to say that I consider your white carnation named for myself one of the handsomest that I have yet seen. In size, purity of color, form and effectiveness it leaves little to be desired, while from its appearance in the bench, every time that I have seen it, I judge it to be very free in production of bloom.

"With my best wishes that it may prove a successful commercial white, and thanking you for the courtesy of the name.

SARAH A. HILL."



Carnation Defiance.

Grown by Jensen & Dekema, Chicago, Ill.

Cockcroft's New Carnations.

(See Illustrations, page 111.)

FAUST.—This variety is a brilliant scarlet, a shade brighter than Victory, with long and wiry stems averaging 20 to 24 inches. The flowers are of medium size, well built up with a perfect calyx. It is a strong, healthy and clean grower, coming into bloom very early, and its extreme productiveness makes it very desirable for commercial use, especially for the Christmas trade when it is in full crop.

GEORGIA.—Among all the various whites on the market, Georgia stands in a class by itself, as it is a commercial variety in productiveness and a fancy one in size, fragrance and form. This variety I intend to introduce next year.

Northport, L. I.

J. D. COCKCROFT.

For the most complete report of the proceedings of the American Carnation Society's convention at Washington, D. C., January 28 to 30 inclusive and for the fullest account of the annual exhibition, see The Florists' Exchange of next week. It will, as always, be an issue worthy of preservation for future reference. This also means that it will afford one of the best opportunities of the year for carnation specialists to advertise their offerings. Don't miss this excellent chance of bringing your goods to the notice of the largest number of the best carnation buyers in the country. The Florists' Exchange covers the whole field. Its Carnation Numbers are always eagerly looked for.

The Production of Easter Lily Bulbs in the United States

In our issue of January 18, 1905, we published extracts from Bulletin 120 of the Bureau of Plant Industry relative to the production of Easter Lily bulbs in the United States, prepared by George W. Oliver, in which reference was made to the localities in which experimental tests in growing these bulbs had been made. We now reproduce herewith the results of these tests, so far, as given in the bulletin, along with other instructive data taken from the same document, all of which will be found interesting and instructive reading.

The Most Suitable Localities for Lily Bulb Growing.

Although enough has not been done in an experimental way to ascertain all of the localities where lilies can be grown successfully, it may be stated that the lily seedlings have shown great vigor where the winter temperature does not fall below 24 degrees F. Below that point the plants get a check to their growth and the foliage puts on an undesirable yellowish tinge, which remains during the winter.

In Florida, seed sent to persons who undertook experimental work has not given good results. The northern and central parts of the State occasionally get much too cold to insure strong winter growth. In the southern part where seed has been sent the reports of those who were experimenting are not very favorable. However, most of those who grow the seedlings were absent during the summer, in which season the growing plants need very close attention. It is possible, therefore, that the failures may be charged to want of attention at critical periods.

At Miami, Fla., the temperature is neither too hot in summer nor too cold in winter for growing bulbs. During the period from September, 1895, to December, 1903, the temperature fell below the freezing point on only two occasions, the lowest being 29 degrees F. Under such circumstances the bulbs will do well provided they receive the necessary attention.

At Key West, Fla., the conditions are ideal, closely approaching those at Bermuda, the extreme range of temperature in thirty-three years being from 11 degrees to 100 degrees F., and the extreme range of precipitation 21.1 to 58.4 inches. On the large keys near the southeastern coast of Florida the seedlings do remarkably well, but the climatic and other conditions during the growing season are such as to practically prohibit good cultivators from locating there.

In the northwestern part of the State of Washington the seedlings do not stand the winter without protection. However, bulbs planted deeply in the fall make fine roots and develop well the following year, making excellent bulbs late in the season, but much too late for early forcing.

In many parts of California, especially in the hot interior valleys, where good soil and plenty of water are available and the winter temperature is not too low, the seedlings thrive well. At Loomis, a few miles northeast of Sacramento, the soil and climate are well adapted to their needs. Some areas in that vicinity are nearly frostless, and the lilies come into flower as

carrying on of the work here, not for the raising of bulbs from seed. The seed would germinate well, but when it came to planting out the seedlings in Spring the farmers and florists could not be brought to believe that it was possible in twelve months' time to raise a flowering plant from a seedling not more than 2 inches high. One firm had grown seedlings in the condition two years ago, but not one was put out in the field. Fortunately, however, a few capable men were found who carried out the instructions of the Department, but even then another difficulty was encountered, for when the lilies came in flower twelve months after planting the seedling, the price offered by retail florists for the blooms was a temptation

Beds versus Rows

The question of growing lilies in beds or in rows is a matter of considerable importance, especially in the north. In the south, the question is more a matter of convenience than of necessity. In the north, the beds have the advantage of being more compact and the plants are planted much closer together. The plants are partly shaded and the ground and the lilies protect each other so that they are not likely to be whipped about by the wind, moreover, by the bed system more bulbs can be grown to the acre than in rows wide apart. The foliage of bed-grown plants is unquestionably of a deeper green than that of plants grown in rows. In irrigating, the sunken spaces or alleys separating the bed can be used to convey the water. In Bermuda, the lilies are all grown in narrow beds and no irrigation is practicable, much to the detriment of the crop at times. Growing lilies in beds with hand cultivation is necessarily more expensive than in rows wide apart with horse cultivation, but it is likely to be found that the additional expense attending bed culture will be more than warranted by the returns, as this crop must not be viewed in the same manner as the ordinary field crops which yield \$20, \$30, or \$100 to the acre. It is considered in Bermuda that an acre of lilies is not much of a success unless it yields from \$1,000 to \$2,000.

Size of Seedlings at Time of Planting.

The seedlings at planting time are necessarily very small, having only a few very short and narrow leaves. In fact, they seem anything but promising, and to one who has not had experience in this line of work the appearance of the seedling plants would very naturally tend to discouragement. The rows in the beds should be about 8 inches apart, and the plants at least 5 inches. If the soil is loose and easily worked, they can be put in by hand; otherwise a short trowel is the handiest tool. Care should be taken not to have the seedling bed too wet at the time of transplanting, as this has a tendency to make the plants flabby. Water should be given as soon as they are put in the ground.

The Pollination of the Flowers.

To insure the production of seed, the flowers must be artificially pollinated, as capsules are rarely formed without this operation. The pollen is not scattered by wind to any extent and insects evi-



Carnation Miss Sarah Hill.

Originators and Introducers, B. K. & B. Floral Co., Richmond, Ind.

which few could resist. One florist cleared \$250 in the Spring of 1907 for flowers from seedlings on a space 25 by 15 feet, and this was only for the flowers he did not want for seed. The removal of flowers and stems, of course, results in bulbs of an inferior grade.

Those florists who have grown the seedlings from the bulbs alone are more than pleased with the results. This has been done in the vicinity of Santa Ana, where the soil and climatic conditions are evidently very favorable. Many of the bulbs harvested were of the 7 to 9 inch grade. One bulb in three years from seed measured 14 1-2 inches in circumference when harvested, grown at Santa Ana, Cal., by Edgar A. Metcalf. The bulbs secured from these sources force well, and being almost free from disease the loss on this account is small.

At Ventura, Cal., the conditions are extremely favorable for the production of strong, healthy growth, but the bulb mite put an end to the experiment in that section the second year. It should be mentioned, however, that the soil in which the bulbs were planted had been used for callus for several years.

At Longbeach, Cal., the growth made by the seedlings before planting out was very favorable, and probably a little distance from the shore in good soils the lilies would thrive well. At Yuma, Ariz., the growth made by mature bulbs planted for seedling promises well, and it is probable that the bulbs can be grown there to mature quite as early as those from the Bermudas.

In the extreme southern part of Texas the possibility of producing good bulbs would seem very encouraging, but the facilities for testing have been anything but satisfactory. The farmers are men who grow crops on a large scale as a rule and a few hundred lilies are apt to receive but scant attention at critical periods, especially when staple crops are being attended to.

At Brownsville, Tex., one can see in the old Spanish gardens very healthy longitum lilies in bloom during the first half of April. The growth is very strong and absolutely free from even a trace of disease. On January 15, 1907, some bulbs of the Harrisii variety planted near Brownsville had made a strong growth, averaging 7 inches in height. These bloomed about the end of March and seeded fairly well.

Unfortunately, the temperature in the southeastern part of Texas is not very favorable, judging from the records supplied by the Weather Bureau. Some years the crop will turn out satisfactorily, but there always exists a danger of low temperatures, on account of which it would be unsafe to attempt cultivation on a large scale.

The Preparation of the Soil.

The preparation of the soil in the field should be attended to much in advance of the time the seedlings are ready to be planted out. If after a very heavy manuring a crop of potatoes or cabbage be taken from the ground, it will be in good order for the reception of the seedlings. In well-compacted soils a heavy crop of cowpeas or other legume, deeply plowed under the previous summer should bring about good results. Immediately before planting, the soil should be worked by disking, rolling and harrowing to make it smooth and easy to manipulate when putting in the seedlings.



Carnation Faust.

Grower and Introducer, J. D. Cockcroft, Northport, L. I.



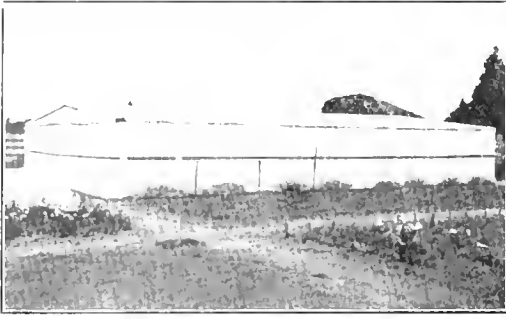
Carnation Georgia.

Grower, J. D. Cockcroft, Northport, L. I.

early as anywhere in the State, with the possible exception of the foothills near Los Angeles. So far, none of the seedlings have been grown at Loomis, but judging from the growth made by mature bulbs sent there for seedling purposes and comparing it with that made in other sections the advantage lies with the Loomis locality. Very little disease was apparent in the foliage, and the flowers were open several days in advance of those from bulbs planted at the same period in the valleys of the southern part of the State.

At several places south of San Francisco selected for experimental work, it was impossible to secure the

dently visit the flower without accomplishing a satisfactory transfer of pollen from the stamens to the stigmas; therefore, it must be had to hand pollination. This consists in taking three or four stamens between the thumb and forefinger and rubbing the anthers, which are copiously supplied with



Clothhouse used at Santa Ana, California, in the Raising of Seedling Lilies previous to Planting in the Field.

Reproduced from Bulletin 120 Bureau of Plant Industry
Dept. of Agriculture.

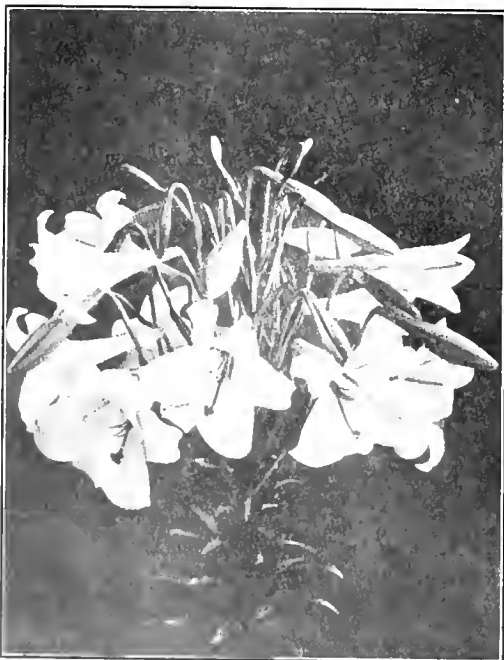
pollen, against the viscid surface of the stigmas. It is best to transfer the pollen from the flowers of one plant to those of another, as the flowers then set seed better than when the pollen of one flower is transferred to the stigma of the same flower or to other flowers on the same plant.

The best time to select pollen is when anthers have shrunk considerably and the pollen adheres to them in great masses. This should be applied to the stigmas shortly after the segments of the flowers open; the stigmatic surface will then be covered with a viscid substance which enables the pollen to adhere very easily. After pollinating the flowers on outdoor-grown plants it is advisable to cover them with paper bags. This is not necessary with plants grown in the greenhouse.

When the flower is ready for pollen it usually occupies a horizontal position, and when the pollen has performed its mission the capsule gradually assumes an upright position, indicating that fertilization of the ovules has taken place. Not more than four capsules should be allowed to mature on one plant, as the production of seed seems to be a considerable drain on its resources.

The time required to ripen seed outdoors varies with the climatic conditions. In a greenhouse the seed ripens in about two months after fertilization is effected. Those plants which set seed do not go to rest at the same period as those without seed capsules, but remain fresh and green for several weeks after the others have matured.

The ripening of the seed is indicated by the capsules turning from green to a light brownish color and splitting open at the top. They should then be gathered into a bag or box and spread out to dry. When dry the seeds should be removed from the capsules and stored in a cool, dry place until sown. The plants selected for seed bearers should not



Two-Year-Old Hybrid Easter Lily Plant with 35 Flowers. Grown at Ventura, Cal.

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Dept. of Agriculture.

be subjected to checks during the growing period. Water should be given when necessary and the ground cultivated as soon as possible afterward. A mulch of very old stable litter helps to keep the soil cool and moist. Observance of these details will give the best seed-producing conditions; otherwise the capsules will not fill satisfactorily.

Sowing the Seed.

The seed should be sown as soon as ripe, which is usually about the latter part of August or the beginning of September, in a place where close attention can be given to shading, ventilating, and watering. The method which has given most satisfaction in California is to sow the seed in well-prepared ground covered with a cloth house. This is easily and cheaply constructed.

The roof should be high enough from the ground to provide plenty of space for a person to move around without stooping. The soil should be about 6 inches deep, on top of about 8 inches of stable manure. The bed should be raised above the surface of the ground 3 or 4 inches and edged with narrow boards a few inches above the paths; these will keep the soil in position and give a neat appearance.

The soil should consist of sandy loam mixed with screenings of dried horse manure, not for the purpose of enriching the soil, but to make it porous and easily worked. Fresh manure is injurious to the young plants. Make the surface of the beds level with a garden rake, sow the seed thinly, and press down with a piece of board. The seeds should then be covered with one-half inch of soil and coconut fiber in equal parts; ground redwood bark will answer the purpose quite as well, the idea being to keep the surface porous.

Water should be given through a fine sprinkler whenever the soil shows indications of becoming dry. The seeds should germinate in from three to six weeks. In April, or as soon as the weather will permit, the cloth may be removed gradually in order to harden off the young plants previous to planting out. The seeds may also be sown in a frame built and covered so as to exclude sunshine and heavy rains while germination takes place; and while the plants are small care should be taken not to have the seed beds too wet at the planting-out period, as in this condition the seedlings are more easily wilted than otherwise when put in the field.

Pricking Off the Seedlings.

It is a question whether or not it pays to prick off the seedlings previous to planting in the open field. Judging from the behavior of most other crops so treated, one would suppose that it would be the best practice.

Those of the seedlings which were pricked off the past season undoubtedly showed stronger growth than those left in the seed beds till planting-out time, but it is claimed the operation does not show any beneficial effects on the plants a few weeks after being in the field. At any rate, there is much to be gained in thinning out the seedlings and pricking them off when they come up too quickly in the seed bed.

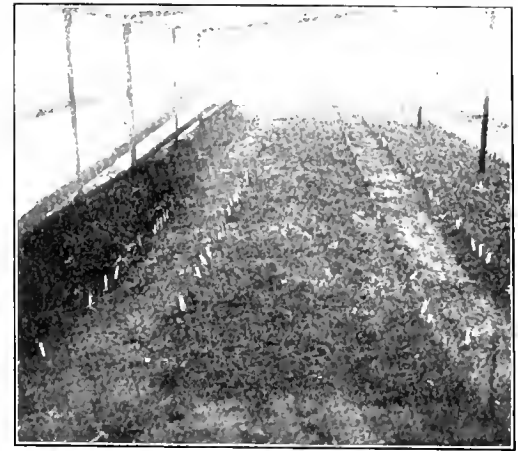
San Jose Scale and Horticulture.

Editor Florists' Exchange:

While I agree with the statement in a recent issue of *The Florists' Exchange*, by Mr. Powell, that orchards are destroyed all over the country by this pernicious scale; information as to the best methods of combatting and keeping it in check constantly appear in all kinds of publications all over the United States; therefore there is no excuse whatever for these depredations. They simply mean neglect. This work also imposes, that unless it is done in an intelligent, systematic and conscientious manner, it is time and labor wasted; the destruction of orchards naturally results, accompanied with the spread of these pests to other trees.

Horticulturally considered, this pest has received more than a proportionate share of attention, for any information concerning it is easily procured. There are other trees, shrubs and conifers attacked by various insects, borers, and scale which are very destructive and which we seldom read anything about; nor are they considered important. All the literature bearing on these topics is largely and almost exclusively devoted to the treatment of fruit trees, as if our beautiful trees and shrubs are of no value; profit being of paramount importance and the dominating feature of all these publications, while true horticultural interests are neglected.

It occurs to me at this time, that this word "horticulture," as frequently used, is a misnomer. For instance, the Pennsylvania Horticultural Society is, to all intents and purposes, a society of fruit grow-



Interior of Clothhouse, containing 100,000 Seedling Lilies, ready for the Field.

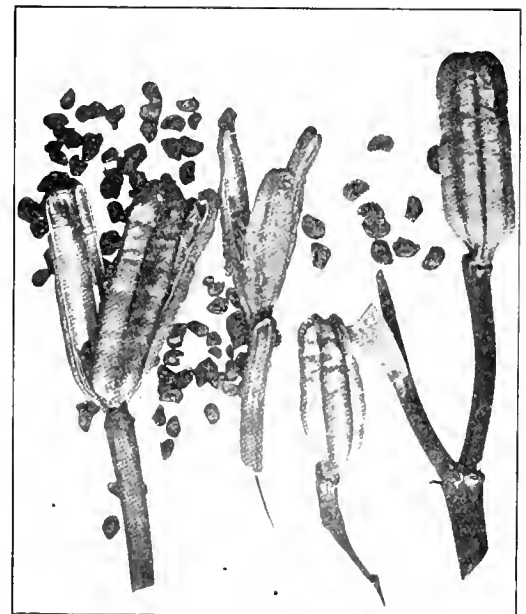
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ers, while the Philadelphia Horticultural Society is interested solely in plants, flowers and trees of an ornamental nature. Fruit growing is all right, but it is not horticulture. I once joined a so-called horticultural society, of this fruit growing kind, and traveled 50 miles to attend its meetings; but not being in the fruit business, I dropped it. I consider the use of the word a misrepresentation, and I protest against employing the good old name in this way. Why not call them "pomological societies"? which they certainly are.

Leading horticultural papers do exactly the same thing. Under this heading for two years I noticed nothing but fruit growing discussed. I dropped this paper. It is a pleasure, however, to acknowledge the merits of *The Florists' Exchange* in this particular. I consider it a typical commercial horticultural publication. I for one value and appreciate its original, practical and up-to-date articles; the information given is reliable and dependable, and of material benefit to its subscribers. There are, however, outside the fold thousands of persons interested in trees, plants and flowers, not reached by the trade papers; I think this a neglected field. Local papers often publish useful notes on these subjects, yet they frequently display gross ignorance concerning them resulting in information being given that proves misleading to the enthusiastic amateurs, who give up in disgust. One instance: Last Fall I saw it recommended in a prominent Philadelphia paper to dig up the Shasta daisies, pot them, and if placed in a warm window they will flower freely all Winter. They won't.

West Laurel Hill, Philadelphia.

E.



Capsules and Seeds of *Lilium Longiflorum Harrisii* = *L. Longiflorum*, Hybrid Easter Lilies.

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FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

A Plant Market for New York.

Having some acquaintance with the Covent Garden plant and flower market of London, England, it has always been a source of wonder to me that a city like New York should have gone so long without an emporium of this kind. There is no doubt in my mind that this city is one of the greatest consumers of plants and flowers in the world, and although the volume may not be as large as that of London or Paris, I will venture to say there is more money spent here for that purpose than in either of those two cities. Attempts have been made in the direction of establishing a market here, mostly resulting in dismal failures. Individuals have tried to work up a plant trade, but their places have been too small and so poorly patronized by the retailer that they have generally been driven into the retail business to keep themselves alive. The latest attempt in this direction is a store opened on West Twenty-seventh street, New York, a few weeks ago by an association of plant growers. It opened with a flourish, and everything looked rosy at the beginning. The attendance was fairly good; the growers themselves condescended to put in an appearance; some buyers were there, and others called again. I visited this store this week, and marked a deplorable difference; the place was practically deserted, the growers were conspicuous by their absence, some not even being represented, either by plants or salesmen. The place had a forlorn look. The plants were dusty and shopworn and not a buyer was in sight. All of which is a great pity. [These conditions have considerably improved since these notes were written. Ed.]

My first visit to this market gave me hope; I looked upon the venture as a good thing for the retailers, and it is; but they do not seem to realize what the growers are trying to do for them. These growers are putting their goods at the retailer's door, saving them car fares, telephones, and delays. They should have received every encouragement; the retailer should have made it his business to go down there and give his order. It is true the place is small, and does not allow any great display of plants, but it is a brave beginning; an embryo worthy of encouragement.

But the growers must not lose heart. This has been an exceptionally bad season all around, and is not a fair test of what ought to and can be accomplished along these lines. Bring in your plants, and if you do not sell them within a reasonable time take them away and bring in some more. It is no inducement to any buyer to go into a place and see a lot of dusty plants; he certainly could hardly be expected to return.

The growers in the vicinity of London send in a load of plants every morning—ferns, palms, flowering plants or whatever may be their specialty. These will probably be sold before seven in the morning. The market opens, I believe, at four a. m., and everything not sold is loaded up and taken back to the greenhouses, so that it suffers very little, if at all. It is a poor plan to leave plants until they are unsalable; it gives a bad impression to the visitor.

I firmly believe the association has made a beginning in the right direction, and I appeal to the retailers to give the effort their support and encouragement. It is surely a good thing for them to have a nice selection of plants right here in New York, and if they buy from this source the supply will naturally improve as the demand increases. Although the place is small now, there has been a good representative lot of plants there, and with a little support this will be kept up, and should be kept up. We cannot begin with a Covent Garden market, but we have made a start and by perseverance, who knows but what we may have even better than a Covent Garden, where we may all go and make our daily purchases of plants and cut flowers, without diving in and out of numerous stores. All that is necessary is organization and a start; and it looks as if the plant growers are going to get there. We can only hope for the best.

D. RAYBUN.

Our London Letter.

BY A. HEMSTLEY.

In my first letter of the new year I must thank the Editor first for his kindness, and next those whom I have come in contact with on this side who have expressed their appreciation of my notes, and wish all prosperity and continued success to 'The Florists' Exchange.'

On this side we are likely to have a busy year among horticulturists. The shows and meetings of the Royal Horticultural Society become of more importance year by year, and the other independent societies, such as the Carnation, Sweet Pea, Dahlia, and Auricula, all find a good home at the new horticultural buildings. The National Chrysanthemum Society has not come into the list, but it seems likely that this body will be making no progress unless some arrangements are made whereby its shows can be held in a more central position. Already I find that many growers prefer to exhibit at the ordinary fortnightly meetings of the R. H. S., rather than to go to the Crystal Palace, though it must be said that the Crystal Palace Company give liberal support and every possible assistance to the large trade exhibitors.

SWEET PEAS. There will be a big rivalry among sweet pea raisers. I find that in several cases we are likely to have very similar varieties, under the same names. It would be much better if an arrangement could be made by which new varieties should first be shown under color name only. We get them from all parts, and many raisers have no opportunity of seeing what others have previously shown. On one occasion last season I had a conversation with Miss Willmott, and this lady, whose opinions are of some weight, remarked that it was most perplexing to make a selection and keep within a limited number of names (not varieties, for there are so many names for the same).

BEGONIA GLOIRE DE LORRAINE. In this plant we have a similar difficulty. During the past season we have had several sports before the Royal Horticultural Society's committee; these have come from various sources, but they have all proved to be too much like Rochford's Masterpiece to deserve distinction or new names. For a market plant the variety Mrs. Leopold de Rothschild will want something good to beat it, for it stands so well, and produces such a mass of bloom. It is hardly necessary to refer to the many disappointments that have occurred among those who have had chrysanthemum sports after cherishing them for a time, and then to find that others have precisely the same thing. It is much the same with other plants. One of the most remarkable instances I have heard of was with *Gymnogramma gloriosa superba*. This beautiful and distinct fern was of garden origin, and occurred in two widely divided districts at the same time. The same thing has occurred with other ferns. This brings up the question of plant breeding! There can be no fixed rules, or rather no definite results from following fixed rules. I have found that careful selection from original stock for propagating from will prevent deterioration, and for seeding purposes selected types will be more satisfactory than cross fertilization. Unless there is some distinct object in the latter, I have had the best results when taking the best types in regard to habit to seed from and the pollen from a deeper or brighter shade of a similar color; and when selecting from large batches of seedlings those which come into flower earliest are the most desirable for seeding from, that is, if quality of flowers is good, but in some plants a few rogues may flower earlier than the best type. Foliage will often prove a good indication of what may be expected of the flowers.

ZONAL PELARGONIUMS. The week before Christmas there were some well flowered pot plants of Mrs. Lawrence in the market. This variety has not proved a general favorite for Spring work, but if it can be flowered well at Midwinter it will be of great value, for we have not previously had a good salmon, or, in fact, very few other zonals that would flower at this time of the year, except when grown on for cut bloom only. Messrs. Cannell & Sons have shown us what can be done in the way of cut bloom. At all the recent R. H. S. meetings and at the chrysanthemum shows they have staged large collections—the size of the trusses and also the individual flowers have been quite equal to what we see in the Summer, and the colors of some certainly brighter than when we get more hot sunshine. Among varieties noted were Caronia, a very fine shade of pink, and large flowers; Arabia, bright scarlet with a white eye; Cecilia, salmon, large trusses; Cymric, crimson, with the most distinct blue violet shade; King Victor, bright clear scarlet; Saxonia, another fine scarlet; Bowood, crimson; Claremont, white; Lady Folkestone, bluish pink; Helen, Countess of Radnor, rosy cerise; Mauretania, white shaded rose; Queenswood, salmon; St. Louis, deep scarlet. Many other good sorts might be added, the older kinds, such as Duke of Bedford, Sir T. Hanbury, Captain Halford, Countess of Hopetoun, Snowstorm, Mrs. Brown Potter, which has already become a favorite for market. The semi-doubles do not flower so well at Midwinter.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of reasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLOREAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Dayton, O.

W. G. MATTHEWS, FLOREST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of reasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants, also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cents per line, count 12 lines agate to the inch.

(If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.) Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care of Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—By good grower of carnations, chrysanthemums and general stock. Address, E. C., care The Florists' Exchange.

SITUATION WANTED—By first-class rose and carnation grower, able to take charge. Good designer. Address, F. Stevens, 527 West street, York, Pa.

SITUATION WANTED—By single man, aged 32, on private or commercial place. Address, H. B., care Beechwood Farm, R. F. D., No. 2, Sharpsburg, Pa.

SITUATION WANTED—An experienced steady rose grower wants section on up-to-date place; \$15.00 weekly. Address, Marshall & Company, 116 West 23d street, New York City.

SITUATION WANTED—As head gardener on private place, experienced in forcing and outside. Married, no children; very best of references. F. Schultz, 461 Ocean Avenue, Jersey City, N. J.

SITUATION WANTED—By experienced grower of roses, carnations and general stock; commercial or private. Married, sober, trustworthy. State wages. Address, A. A., care The Florists' Exchange.

SITUATION WANTED—By a German gardener, 10 years' experience in every branch of the business, on private or commercial place. Single, aged 26. Address, Wm. Dumanowski, Collinsville, Conn.

SITUATION WANTED—As foreman or section man; roses, carnations, chrysanthemums and general stock. Twenty years' experience. German, 35, married. Address, E. B. E., care The Florists' Exchange.

SITUATION WANTED—By Belgian; private place preferred. Has complete knowledge of growing all plants, outside and under glass. Good references. Address, Alphonse Anthelot, 335 West 34th street, New York City.

SITUATION WANTED—By practical, all-around florist, successful grower of general commercial greenhouse stock; five years in present position as foreman. German, 39, married. Frederick Braun, 120 Alvarado avenue, Worcester, Mass.

SITUATION WANTED—In florist store by florist and landscape gardener; good appearance. Experienced in conservatory work and making-up of jardiniere and baskets. Address, L. B., care The Florists' Exchange.

SITUATION WANTED—Young man, 24, strong, willing, honest and sober, wishes position on commercial place. Has been employed about three years on small private place. References. Chas. A. Peterson, 244 5th Avenue, Brooklyn, N. Y.

SITUATION WANTED—By gardener, thorough knowledge of landscape work, greenhouses, flowers and vegetables, trees, shrubs and hardy perennials. Capable of managing a first-class private place. Best of references. Address, O. O., care The Florists' Exchange.

SITUATION WANTED—As foreman on large nursery where a first-class propagator is appreciated. Capable of taking full charge of any sized place, greenhouses and outside. Used to handle men to the best advantage. Address, S. W., care The Florists' Exchange.

SITUATION WANTED—As foreman on commercial place, having 15 years' European and American experience. Good grower of general stock and forcing bulbs, lily of the valley, etc. Three years in present place; good reference. Hollander, aged 71, state full particulars in first letter. Address, J. P. Nallen, care H. H. Batters, Newtown Square, Pa.

SITUATIONS WANTED

SITUATION WANTED—By a practical grower of roses, carnations, chrysanthemums, ferns, palms, Christmas, Easter and bedding plants. Good propagator and designer. Aged 38; four and one-half years in present place. Competent to take charge of wholesale or retail place. Address, E. F., care The Florists' Exchange.

HELP WANTED

WANTED—A first-class rose grower, one with experience. New houses, good helpers and good wages to capable man. Honaker, The Florist, Lexington, Ky.

WANTED—Rose and carnation grower for section; married man with small family. Wages, \$14.00 per week. Address, Pennsylvania, care The Florists' Exchange.

WANTED—Decorator and designer, one who has some knowledge of plants. Single man preferred. References and wages first letter. Address, R. K., care The Florists' Exchange.

WANTED—Intelligent man to act as shipping clerk and porter in New York seed store. State qualifications and wages expected. Address, X. X. X., care The Florists' Exchange.

WANTED—By February 1, single man as assistant on private place who can grow roses, carnations and chrysanthemums. Wages, \$50.00 per month; board, \$18.00. Oscar Carlson, Box 238, Fairfield, Conn.

WANTED—One or two experienced nursery hands familiar with evergreens and hardy shrubs. Permanent position to men of ability. State age, reference and salary wanted. T. E. Steele, Pomona Nurseries, Palmyra, N. J.

WANTED—Young man to manage retail flower store. Must be expert designer, capable manager and hustler. Answer with references and salary expected. Address, C. E. O., 507 Dollar Bank Building, Youngstown, O.

WANTED—At once, good, sober, practical florist who can do design work and has some knowledge of landscape gardening. State wages expected; send references in first letter. Herman Bowman, Box 494, White Plains, N. Y.

WANTED—Trustworthy, capable young man, experienced salesman in retail seed store, to take permanent position February 1. State age, references and full information. Salary, \$12.00 per week, and commission. Apply, D. U., care The Florists' Exchange.

WANTED—A good all-around man, familiar with the general run of bedding plants. Must be rapid at potting; wages, \$12.00 per week. Steady position for right man. Give references from last employer. Address, Wachendorff Brothers, Atlanta, Ga.

MISCELLANEOUS

A Long Felt Want Supplied

The Greater New York Employment Agency can furnish help of all kinds for florist and greenhouse work. Any nationality. Address

A HULSEBOSCH, Prop. 51 Greenwich St., NEW YORK CITY

Telephone 4839 Rector

MISCELLANEOUS WANTS

WANTED—The agency for any new line of goods, Edw. S. Schmidt, Florist Supplies, Washington, D. C.

WANTED TO BUY—16x24 double thick glass, quality A. Please give price by 100 boxes. Address, C. D., care The Florists' Exchange.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

THE AMERICAN CARNATION Price \$3.50 A. T. DE LA MARE PTG & PUB CO. LTD 2-8 Duane Street, New York.

FOR SALE OR RENT

FOR SALE—An old established, well-paying cemetery business to a responsible party only. Address, H. E., care The Florists' Exchange.

FOR SALE—Four greenhouses, all stocked; seven acres land; dwelling house, etc. Situated on Long Island. Will sell at a bargain. Box 261, Farmingdale, L. I., N. Y.

FOR SALE OR RENT—Four greenhouses, 1,000 feet of glass, in No. 1 condition, all stocked with carnations, roses, lettuce. Address, W. D. Snell, Mohawk N. Y.

FOR SALE—Retail florist business, store well furnished with refrigerator, counters, wall clocks, etc. Located in Brooklyn; established 14 years. Reasons for selling, am going into the growing business. Address, A. P. Johnson, 112 Fifth Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouses and stock. About 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers. For terms, inquire of Mrs. Hugo Bogk, College street, Worcester, Mass., or L. Midgley, Worcester Conservatory, Worcester, Mass.

FOR SALE—Ten acres of fine soil for roses and carnations, five greenhouses recently built, heated with steam, boiler capable to heat three times as much glass. The houses are stocked with roses and admittans. Excellent railway facilities, 22 miles from Philadelphia. Price, \$1,000. Possession immediately. April 1. Address, Adolph Muller, North Wales, Pa.

STOCK FOR SALE

MOON VINES—Strong rooted cuttings, \$1.50 per 100, postpaid. Cash with order. Wachendorff Brothers, Atlanta, Ga.

HEALTHY, strong cuttings, unrooted, Enchantress, \$8.00. Queen Louise, \$5.00 per 1000. Wm. S. Herzog, Morris Plains, N. J.

ASPARAGUS SPRENGERI, extra strong plants, from 3 in. pots, ready for 4 in., \$4.50 per 100. Cash with order. Charles S. Mason, Farmington, Conn.

DRACAENA INDIVISA—Thrifty, young plants from 3 in. pots, \$1.00 per 100. Just right for growing on. Cash with order. Wachendorff Brothers, Atlanta, Ga.

NOW READY, 2 in. pots Geraniums, S. A. Nutt, Sallerot; Ageratum, blue; Cigar Plant, German Ivy, \$2.00 per 100. Cash with order. George E. Talbot, Putnam, Conn.

ROOTED Geranium Cuttings, best standard varieties, in mixed lots, \$1.25 per 100; 2 1/2 in., \$2.00 per 100; \$17.50 per 1000. Will exchange for rooted carnation cuttings. C. H. Puhman, Carnegie, Pa.

1500 DOUBLE PETUNIAS from soil, \$1.25 per 100; \$10.00 per 1000. 2000 Little Gem Fev-er-few, \$1.25 per 100; \$10.00 per 1000. E. V. B. Pelthous, 184 Van Vranken Avenue, Schenectady, N. Y.

SEEDS—Belgiano's extremely early T. X. L. Tomato, \$8.00 per pound; large, smooth, immediately producing. Send postal for 1905 illustrated catalogue. Belgiano's Seed Store, established 1818, Baltimore, Md.

CANNAS—Chas Henderson, The Express, Rubin, Buttercup, Mme Berat, Kate Gray, Austria, strong, two and three eye divisions, \$3.00 per 100; \$25.00 per 1000. Cash with order Wachendorff Brothers, Atlanta, Ga.

SURPLUS GERANIUMS AND CANNAS—Geraniums, 2 1/2 in. pots, \$2.00 per 1000; S. A. Nutt, Poltevine, Double Grant, A. Ricard Cannas, Austria and Shenandoah, large bulbs, \$15.00 per 1000. Frank P. Erbe, Spring Lake Beach, N. J.

WHITMANI FERNS, extra strong runners, \$3.00 per 100; \$25.00 per 1000; 2 1/2 in., \$5.00 per 100; \$10.00 per 1000; 3 in., \$10.00; 3 1/2 in., \$15.00; 4 in., \$20.00 per 100. Special prices on larger quantities. Cash with order. James F. Barclay, Pawtucket, R. I.

FOR SALE

FOR SALE—Lot of glass, 16x24, 4 in. pipe and greenhouse material. Address, Luna Park, West Orange, N. J., or call 91-93 Monmouth street, Newark, N. J.

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parsholsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE—Second-hand boilers. One No. 5 Weathered, capacity 1,000 feet, 4 inch pipe; one No. 5 Hitchings, capacity 900 feet, 4 inch pipe; one No. 57 Hitchings, sectional, capacity 2,000 feet; two eight-sectional Weathered boilers. Write for information and prices. Wm. H. Lutten, Opp. West Side Avenue Station (C. R. B. of N. J.), Jersey City, N. J. Telephone 412 Bergen.

CHANGES IN BUSINESS.

GREEN BAY, WIS.—Charles DeClerc is building a large modern greenhouse, just north of Fort Howard Cemetery, and will enter the florist business, with an office in the Hoffman building on North Adams street.

COLUMBIA CITY, IND.—Oliver H. Diffenderfer has disposed of his interest in the Wagoner Floral Company to his partner, Albert J. Wagoner, who will continue the business as sole proprietor.

DERRY, N. H.—The greenhouse property owned for some time by Royal G. Dowser has been sold by him to W. J. Kingsbury, who has had considerable experience in the work and will either hire a man to operate the plant or lease it outright to some one who understands the business.

HAMMONTON, N. J.—Watkins & Nicholson have opened a florist store at 113 Bellevue avenue in connection with their greenhouses, where they keep an assortment of plants, cut flowers, etc. The greenhouses are about a mile and a half from the town center or business part, too far for people to come in winter and bad weather. They have a very attractive store and window, something quite new here.

FIRMS WHO ARE BUILDING.

NAHANT, MASS.—Thomas Roland is adding to his establishment a greenhouse, 140x45 feet.

WOBURN, MASS.—Adam Foster's two new greenhouses are nearly completed; he expects to build two more.

PORTSMOUTH, VA.—Messrs. D'Alcorn & Sons, bulb growers, are completing a new house, 28x21 feet, 16 feet at ridge.

COLUMBUS, O.—The city council recently passed to its second reading an ordinance to appropriate \$5,775 for the construction of a workshop and greenhouse at Schiller Park.

TWO RIVERS, WIS.—Louis Hartung has completed the work of rebuilding his greenhouses destroyed by fire about a year ago. He has also completed a handsome new residence at Floral Park and will shortly occupy it with his family.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3/4c.; 1 1/2 in. 4 1/2c.; 2 in. 5 1/2c.; 2 1/2 in. 10c.; 3 in. 14c.; 4 in. 19c.; per ft. New 2 in. Standard stem, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy \$4-1 in. \$3.00; No. 2 cuts 1 1/4-1 1/2-2 ins. \$4.00; Armstrong Adjustable No. 2 cuts 3/4-1 in. \$4.00; No. 3 cuts 1 1/4-1 1/2-2 ins. \$6.50. Second-hand Armstrong, No. 3 \$5.00; No. 2 \$3.00.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, new round boiler, heating 900 sq. ft. of glass, \$40.00. 1 No. 531 Richardson, five section water boiler, grate 20 by 28, heat about 5000 sq. ft. of glass, used one season, \$125.00. 1 American Radiator Ideal, eight section water boiler, grate 67 by 49, heat about 15,000 sq. ft. of glass, price \$225.00. 1 Pierce Butler and Pierce Sterling Round Sectional boiler, grate 20 inches, heat about 1800 sq. ft. of glass, price \$50.00. The above boilers are guaranteed to be in good condition. We have other sizes and makes; write for prices.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in., 18 in., grips 2 in. \$1.40; 24 in., grips 2 1/2 in., \$2.10; 30 in., grips 3 1/2 in., \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 3 1/2 in. \$3.50, grips 2 in. \$1.75; No. 2 grips 2 in. \$3.50.

GARDEN HOSE 50 ft. lengths 3/4 in., guaranteed, 8 1/2c.; for heavy work, guaranteed, 12 1/2c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 160 up. Second-hand sash glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box, 10x12 single at \$1.80 per box. 10x12, 12x12, E double, \$2.30 per box. 12x14 to 12x20 and 14x14 to 14x20, 16x16 and 16x18, E double, \$2.65 per box. 16x20 to 16x24, 12x24, B double, \$2.65 per box.

PECKY CYPRESS \$25.00 per 1000. We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

CHICAGO. The executive committee of the American Seed Trade Association held a meeting on Wednesday, January 22, in the Auditorium Annex. There were present President George S. Green, Chicago, Vice-president M. H. Duryen, New York; Secretary-Treasurer C. E. Kendall, Cleveland, O.; and Henry W. Wood, Richmond, Va.; C. S. Burge, Toledo, O.; Leonard H. Vaughan, Chicago; Charles N. Page, Des Moines, Ia.; Watson S. Woodruff, Orange, Conn.; S. F. Leonard, Chicago, was also in attendance. The annual meeting of the Seed Trade Association will be held in Detroit, Mich., in June next. The committee has prepared an interesting program. The selection of headquarters is left in the hands of the president and secretary.

CARNATION CUTTINGS

Windsor, February delivery 100 1000 \$6.00 \$50.00
White Enchantress, February delivery 6.00 50.00
Robert Craig, February delivery 3.00 25.00
Victoria, February delivery 3.00 25.00
Enchantress, February delivery 2.50 20.00
Mrs. Lawson, February delivery 2.00 15.00

WHITE BROS., GASPURT, N. Y.

Rooted Cuttings

CARNATIONS

READY NOW

None Healthier. None Better. Enchantress, Windsor, Pink, Red, White and Variegated Lawson. Write for Prices.

A. W. WILLIAMS, Highland, N. Y.

WHITE ENCHANTRESS

ROOTED CUTTINGS

\$6.00 per 100; \$50.00 per 1000.

E. SCHRADER,

NEW SPRINGVILLE, Richmond Borough, N. Y.

JOHN E. HAINES

BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908:

John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000

Place orders early for December delivery.

CARNATIONS

F. DORNER & SONS CO.

LAFAYETTE, IND.

SMILAX

Cut Strings of Smilax, 7 ft., extra heavy in flower, 12 cts. per string, C. D. D.

George H. Benedict, Yorkville, N. Y.

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$6.00 per 100 Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

CARNATIONS

R. C. Queen Louise and Harlowrden, \$1.50 per 100, \$10.00 per 1000. SALVIA, R. C., Bonfire, 60c. per 100, \$5.00 per 1000. GERANIUM, Grant and Nutt, 2 in. pots, \$2.00 per 100, \$15.00 per 1000. Cash with order please.

JACOB KOL, East Nutley, N. J.

GERANIUMS

2 1/2 in. fine stocky plants from Aug. last cuttings Nutt, Single and Double Grant, \$2.00 per 100, \$20.00 per 1000. Poitavins, Hill, Viaud, \$2.75 per 100, \$24.00 per 1000. Canas Dormant, Bouvier, Henderson, Antoina Crozy, \$2.00 per 100. Cash.

JAS. AMBACHER, WEST END, N. J.

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO., Ltd.

2 Duane Street, New York

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Investigates the financial standing and reliability of all firms not previously known to it who desire to place their advertising business in its columns. In that way, and to that extent, it safeguards those who purchase stock from its advertisers; and its columns are never burdened with the offerings of firms or individuals who do not conduct their business on strict business principles. It has always known that the "swallow all" plan, though it may make for bulk, does not inure to general satisfaction.

CATALOGUE OF NEW CHRYSANTHEMUMS, ROSES, ETC., FOR 1908

NOW READY.

I am headquarters for the new singles and the cream of the world's novelties. Send for a copy. It's yours for the asking.

Charles H. Totty MADISON, N. J.

CHRYSANTHEMUM ROOTED CUTTINGS

MONROVIA, MAUD DEAN and J. NONIN. Rooted Cuttings for March delivery, \$1.50 per 100.

ANTON C. ZVOLANÉK, BOUND BROOK, N. J.

CHRYSANTHEMUMS

For Every Purpose. A card will bring our Illustrated 1908 Catalogue.

ELMER D. SMITH & CO., Adrian, Mich. Successors to Nathan Smith & Son.

CHRYSANTHEMUMS

Miss Clay Frick (White Duckham), strong, stock plants, \$1.50 per dozen; Rooted Cuttings, \$1.00 per 100

GERANIUMS, from 2 1/2 inch pots, S. A. Nutt and Bruantl, \$2.00 per 100 Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

GERANIUMS

Transplants, pot grown. We send all the roots, but little soil - Nutt, Doyle, Del. Grant, Buchner \$34.50 per 1000; Ricard, Poitavine, Perichon, Viaud, Casteliane, \$16.50 per 1000; F. Hiane \$2.00 per 100. All the scarlets a good lot, others limited some. COLEUS Fancy, very brightest only, and G. Bedder, R. C. R. C. Plants 80c. per 100. GLADIOLI Fine Hybrids, blooming size, \$14.00 per 1000. Cash or C. O. D.

DANIEL K. HERR, Lancaster, Pa.

GERANIUMS

ROOTED CUTTINGS

All engaged until early in March, will have a big lot then - send for list and place your order if wanted at that date.

ALBERT M. HERR, Lancaster, Pa.

THE AMERICAN CARNATION

Price, \$3.50

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2-A Duane Street, New York

WHOLESALE MARKET For Flowering and Decorative Plants OF THE New York and New Jersey Association of Plant Growers 43 West 27th Street, NEW YORK CITY

GERANIUMS

S. A. Nutt, Beate Poitavine, A. Ricard, Pastur, 2 1/2 in. pots, \$2.25 per 100, \$20.00 per 1000. Per 100
Ross Geranium Oak Leaf and Mme. Salterol, R. C. 1.00
Ivy Geranium, R. C. 1.25
Fuchsias, R. C. 1.00
2 1/2 in. pots 3.00
Salvia, R. C. .75
2 1/2 in. pots 2.00
Heliotrope, R. C. .75
2 1/2 in. pots 3.00
Petunias, R. C. 1.00
2 1/2 in. pots 3.00
Double Mixed Petunias, R. C. 1.00
Vinca Variegata, 2 1/2 in. pots 3.00
Dracaena Indivisia, 2 1/2 in. pots 3.00
3 in. pots 5.00

Cash with order MAGNUS PIERSON Cromwell, Conn.

GERANIUMS

S. A. Nutt, Beate Poitavine, Buchner, A. Ricard, 2 in. pots, \$2.00 per 100, \$20.00 per 1000. FEVERVIEW, double white, 2 in. \$2.00 per 100. FUCHSIAS, 10 best varieties, 2 in. \$2.00 per 100. R. C. \$1.00 per 100. DOUBLE PETUNIAS, mixed, R. C. \$1.00 per 100. HELIOTROPES, R. C. \$1.00 per 100. VINCA VARIEGATA, 2 in. pots, \$2.00 per 100.

Cash with order. ERNEST HARRIS, Dalanson, N. Y.

FELTHOUSEN'S GERANIUMS

None better, if as good. The following varieties in 2 1/2 in. pots, with or without soil, \$18.00 per 1000. Beate Poitavine, S. A. Nutt, La Favorite, John Doyle, Richard Broth, Ricard, Bruantl, General Grant, M. Canovas, Jean Viaud, Pastouran, Landy and several others. FUCHSIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100. HELIOTROPE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$4.00 per 100. SALVIA BONFIRE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$2.00 per 100. COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000. ROSE GERANIUMS, 2 1/2 in. pots, \$2.00 per 1000. AGERATUM, Stella Gurney, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100. Cash With order. J. E. FELTHOUSEN, Schenectady, N. Y.

Geraniums

S. A. Nutt, 2 in. pots, now ready, \$20.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS WHITE, Alice Byron, C. Touset, J. Jones, PINK, Maud Dean, Glory of the Pacific, Viviani-Morel, Dr. Engelhardt, YELLOW, Col. Appleton, Robt. Halliday, Pennsylvania, Red, Black Hawk, 75c. per doz., \$5.00 per 100. Cash with Order. 170-170 E. S. N. PENTECOST, 101st Street, Cleveland, O.

GERANIUMS

Rooted Cuttings all booked for JANUARY. PETER BROWN, LANCASTER, PA.

Rooted Cuttings

HELIOTROPE (dark) 60c. per 100; 15.00 per 1000. LINES DOUBLE FUCHSIAS, 75c. per 100, \$6.00 per 1000. NEW DOUBLE PETUNIA, The Queen. A fine bloomer, white mingled with purple, requires no staking, \$2.50 per 100. SALVIA Zurich, new dwarf ever-blooming variety, \$2.00 per 100. SALVIA Bonfire, 30c. per 100. AGERATUMS, S. Gurney and P. Pauline, 50c. per 100; \$4.00 per 1000. GERMAN IVY, 50c. per 100; \$4.00 per 1000.

Strong and well-rooted. Cash with order. J. P. CANNATA, Mt. Freedom, N. J.

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1000 100 Giant Flowering \$2.50 \$0.50
COLEUS, 10 var, 2 1/2 pot 2.00
CANNA Henderson, dry bulbs 2.00
GERANIUMS, 10 var, 2 1/2 pot 25.00 3.00
VINCA Variegated, 2 1/2 pots 2.50
CASH

JOS. H. CUNNINGHAM, DELAWARE, O.

ROOTED CUTTINGS Prepaid per 100. Heliotrope, blue; German Ivy, 75c. Alternanthera best red and yellow, 6c. Fuchsia, five best kinds, Giant Marguerite Daisy, yellow; Double Alyssum, \$1.00. Ageratum, Gurney and Pauline. Coleus, best bedders, Verbena, best colors, 80c. Salvia, Bonfire and Splendens, 85c. Bargain to move at once: Primula Obconica Grandiflora mixed, and Baby Primrose, 2 in. Will make fine stock for Easter if handled at once. \$1.75 per 100; 300 or more, \$1.50 per 100. Cash.

Shippensburg Floral Co., Shippensburg, Pa.

AMPELOPSIS VEITCHII

50 strong well-rooted, transplanted, 18 to 21 inch tops, heavy roots, \$3.50 per 100. 10,000 well-rooted, 20 to 30 inch, \$2.50 per 100; \$20.00 per 1000. 1000 one-year seedlings, 12 to 21 inch, \$1.50 per 100; \$12.00 per 1000. In pots of 2000 and over, \$10.00 per 1000; fine for transplanting; packed free of charge. For samples by mail send 25c. in stamps.

Address, CHARLES BLACK, Highstown, N. J.

Asparagus Sprengeri

3 inch pots, \$4.00 per 100 S. G. BENJAMIN, Fishkill, N. Y.

NEW A MONEY MAKER NEW

CARTER'S

Double Blue Lobelia

\$2.00 per doz.; \$18.00 per 100 Cash with order please

J. FULLER, 31 Orchard Street, Leominster, Mass.

NEW VIOLET BOSTON

Extra fine, strong grower, a free bloomer - the finest single violet in cultivation. Ready for distribution in April and May. \$12.00 per 100; \$100.00 per 1000.

WILLIAM SIM, CLIFTONDALE, MASS.

VIOLET CULTURE

Price, \$1.50 Postpaid A. T. DeLa Mare Ptg. & Pub. Co. Ltd., New York

CARNATIONS-Rooted Cuttings

Table listing carnation varieties and prices: White Enchantress, White Perfection, White Lawson, Queen Louise, Winsor, Aristocrat, Rose Pink Enchantress, Enchantress, Helen Goddard, Lawson, Beacon, Victory, Craig.

S. S. PENNOCK-MEEHAN COMPANY

Healthy, well-rooted stock the product of the most reliable growers of this locality

Table listing carnation varieties and prices: Harlowarden, Patten, Penn, Red Sport, Boston Market, Joost.

1612-14-16-18 LUDLOW STREET, PHILADELPHIA, PA.

NEW CROP SEEDS ASPARAGUS PLUMOSUS NANUS Greenhouse Grown, Hand Selected \$4.50 per 1000. Special price on large quantities

Carnation Cuttings

DEPEND

on receiving only STRONG and HEALTHY cuttings when you order from US.

We have only the NICEST and BEST varieties.

Write for further information and prices.

Handwritten signature of Guttman & Weber

The Wholesale Florist of New York 43 West 28th Street

Grower Lynbrook, L. I.

- Victory Imperial Pink Imperial Aristocrat Winsor Welcome White Perfection Lieut. Peary Rose Pink Enchantress, etc.

New Carnation, PRESIDENT SEELYE

The unexcelled white; a seedling of MRS. T. W. LAWSON x THE QUEEN; now in its fourth year.

A large, well-formed flower, free and fragrant, easy to grow and does best in a temperature of 50 to 52. Calyx does not split.

Long, stiff stems from the start; a constant bloomer. Every cutting guaranteed well rooted and free from disease. The trade is invited to visit the greenhouses and see it growing. \$10.00 per 100, \$75.00 per 1000. ORDERS Booked Now for JANUARY DELIVERY H. W. FIELD, Northampton, Mass.

CARNATIONS

Table listing carnation varieties and prices: White Enchantress R. C., Enchantress, light pink, Lawson, Lord, light pink, Queen, white, The Belle, white.

250 at 1000 rate. Express prepaid on orders of 1000 or more. Get your R. C. early and have blooms when others have none.

Frank H. Kimberly 631 Townsend Ave., WNE HAVEN, CONN.

UNROOTED Carnation Cuttings

Table listing carnation varieties and prices: WINSOR, PINK IMPERIAL, VICTORY, WHITE PERFECTION, ENCHANTRESS.

Can fill any size order same day as received. ROOTED WINSOR, PINK IMPERIAL, VICTORY, WHITE PERFECTION, ENCHANTRESS. An unusually fine lot of SCOTT'S FERNS in 7-in. pans, \$6.00 per dozen. LARCHMONT NURSERIES, Larchmont, N. Y.

THE AMERICAN CARNATION

PRICE \$3.50. Send for Sample Pages AT DE LAMARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street., New York.

Prices Advertised in these Columns are for

CARNATIONS

Rooted Cuttings; Fine Healthy Stock READY NOW:

Table listing carnation varieties and prices: Winsor, White Enchantress, Helen M. Gould and Beacon, Melody, Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson.

ASPARGUS Sprengeri, from 3 in. pots, Plumosus Nanus, from 2 1/2 in. pots.

VERBENAS Best Mammoth.

MISCELLANEOUS

Table listing miscellaneous plants and prices: Agaratum, Cope's Pot, White Cap, P. Paulina, S. Gurney, L. Bonnett, Achyranthos, best varieties, Ampelopsis Veitchii, Coleus, best bedding and fancy sorts, Cuphea Platycentra, Fuchsia, double and single, Favarfew, double white, Geraniums, best double and single, Heliotrope, light and dark, Ivy, Tiehard, Moon Wine, true, white, Salvia Splendens and Bedman, Five early flowering sorts.

WOOD BROTHERS, FISHKILL, N. Y.

Rooted Carnation Cuttings

Cuttings are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

Table listing carnation varieties and prices: WHITE: White Enchantress, Perfection, Lawson, Queen Louise, PINK: Winsor, Aristocrat, Pink Imperial, Rose Pink Enchantress, Enchantress, Helen Goddard, Lawson, RED: Beacon, Victory, Robt. Craig, CRIMSON: Harlowarden, VARIEGATED: Mrs. Patten.

Add \$1.00 per 100, \$10.00 per 1000 to above prices for 2 1/2 in. pot plants. Recent Introductions LLOYD. S. J. REUTER & SON, Inc., Westerly, R. I.

NEPTUNE

The only yellow carnation to date that is worth growing. Equal to Enchantress in every respect, and never bursts. Come and see it growing. Rooted Cuttings, \$10.00 per 100.

Also White Enchantress, Winsor, \$6.00 per 100; Enchantress, Variegated Lawson, White Lawson, Red Lawson, \$2.50 per 100. Harlowarden, Mrs. Lawson, Fair Maid, Mrs. Patten, \$2.00 per 100. All the above unrooted at half price.

Paul Thomson, West Hartford, Conn.

10,000 ENCHANTRESS

Strong Rooted Cuttings \$2.50 per 100, 20.00 per 1000. PETERS & SONS, Hempstead, L. I., N. Y.

Plant Notes.

ACHIMENES.— With the observable tendency to obtain something out of the common run of plants for decorative purposes it is no wonder that such beautiful subjects as achimenes undoubtedly are should receive some attention. Achimenes are tuberous plants and die down annually; and having reached that stage should be stored away in dry sand, or they may be left in the pots and kept dry where the temperature will be about 50 degrees. In early Spring they should be started into growth by placing the tubers thickly in pans previously three quarters filled with sand, with drainage material provided. It is only necessary merely to cover the tubers with sand. The pans when filled should be placed in a temperature of at least 65 degrees, where in a short time they will begin to make growth. When growth has been made to the extent of an inch or two, the question of the final disposition as regards potting of the plants will come up for consideration, in determining which it will be necessary to know definitely the kind of specimens required as well as a distinguishing knowledge of the varieties under treatment.

Dwarf varieties such as Tyrianthina, Dazzle, etc., are more suitable for small pans, or 5 and 6-inch pots, while the larger varieties should be given larger pans or pots. However, the former matter is settled when the time comes for putting the plants into the receptacles in which they are intended to flower. From six to twelve, depending on the size of the pot or pan, should be placed in each of such. The receptacles should have ample drainage, and over that should be placed a layer of turfy material or sphagnum moss. The pots or pans should be filled to within about two inches of the rim with soil composed of good fibrous loam two parts, leaf mold two parts, and one part sand; then the plants of the requisite number at equal distances apart should be put in, covering the roots with about an inch of the compost, taking care to firm it over the roots, but not to the extent of severe hardening. When the work of filling the receptacles with plants is completed they should be placed on a shelf, or anywhere near the glass, in a temperature similar to that wherein they started to make growth. After the plants are about six inches in growth they will be subsequently benefited in appearance if the points are pinched; this will induce them to make several shoots. The small growth taken off in this operation can be rooted in sand if desired.

At all times while growing achimenes require to be well supplied with water; they should also be frequently syringed until they come into flower, but not thereafter. For specimen plants staking should be early attended to, but when they are desired for drooping over in pans or baskets, no staking is needed.

After the plants show flower frequent applications of manure water will be beneficial and needful. When the plants are needed for decoration they should be hardened a little before being removed from their growing quarters.

MEDINILLA MAGNIFICA is surely one of the most gorgeous of flowering shrubs from the Philippines. This plant is not very often seen in either trade or private collections, although its merits, as well as the ease with which it can be successfully cultivated, would seem to make it a plant more generally grown. It has beautifully glossy, leathery foliage springing from strong shoots. The flowers are produced on well-ripened wood

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

NEW CRIMSON CARNATION
HARVARD

New Carnation FAUST (BRILLIANT SCARLET) This novelty very fine for commercial use, owing to its extreme productiveness; a fine one for Christmas trade. Color, form, stems, habit and productiveness all that can be desired. Price \$6.00 per 100, \$50.00 per 1000. Usual discount on large orders.

Mr. J. D. COCKCROFT, Northport, N. Y.
Dear Sir: We desire to congratulate you on the two varieties of Carnations, GEORGIA and HARVARD, which you have been sending us. Georgia we consider to be the best white carnation that comes to New York, and can easily sell from 50c. to 100c. more than regular white. Harvard we think to be the best dark red coming here, easier to sell at double the price of any other dark red. With kindest regards, we remain,
Yours truly,
JAMES D. COCKCROFT, Northport, L. I., N. Y.

The color of this novelty is a very rich crimson. The blooms are of the finest as to size and quality and the habit is free and continuous, every shoot producing a flower with a calyx which we guarantee as non-bursting. Blooms borne on long, wiry stems from 24 to 30 inches and over. Price \$12.00 per 100, \$100.00 per 1000. Usual discount on large quantities.

Standard Varieties

	Per 100	Per 1000
Winsor	\$4.00	\$50.00
Rose Pink Enchantress	3.00	25.00
Enchantress	2.50	20.00
Lawson	2.00	15.00
Queen	2.00	12.50
Victory	2.50	20.00
Queen Louise	2.00	15.00
Red Sport	2.50	20.00
Pink Patten	3.00	25.00

The plant can be flowered when quite small; it can also be grown into a large specimen, and in whatever stage it is seen in bloom it never fails to attract attention. The flowers are rosy pink and are borne in pendulous pyramid-shaped panicles, which are very often over a foot in length. M. magnifica is easily propagated from cuttings of young wood, placed in sand in good heat; and from seed.

PEPEROMIAS are useful and accommodating little plants, easily propagated and as easily grown into subjects of utility. Although they are distinctly hothouse plants and require treatment accordingly when in active growing condition, they are very serviceable for dwellings, either as single plants or when made up along with others of less compact habit. These plants are propagated in much the same way as rex begonias. Along with the leaves take about an inch of the stem, which insert in sand so that the leaves will lie hard on it. P. argyrea is the one mostly grown for pot plants. P. maculosa is perhaps a more strikingly beautiful variety than the former, and because of its habit is more suitable for growing in pans.

DIEFFENBACHIAS are quick growing foliage plants. The foliage has a decidedly tropical appearance, and when a number of plants are used in an arrangement they lend a peculiarly luxuriant look to the whole, which makes the effect all the more pleasing. Dieffenbachias in all varieties are readily propagated by cuttings, made of the tops of old plants, or from young growths proceeding from plants hitherto cut down for that purpose. When it is desired to grow the plants on into perfect specimens they should be kept shifted and given good rich soil, as the condition of the roots requires it. Very handsome specimens are often seen resulting from the plants thus grown. If, however, the requirement is more for material for filling in, a more rapid way to that end will be found in placing two or more plants from small pots into a much larger pot or pan; these will be found exceedingly useful for various purposes in a florist's establishment. Care should be taken not to get the varieties mixed while making them up in that way.
D. M.

Selected Rooted Carnation Cuttings

WHITE	100	1000
White Enchantress	\$6.00	\$50.00
White Perfection	3.00	25.00
The Queen	2.00	15.00
PINK		
Winsor	6.00	50.00
Rose Pink Enchantress	3.50	30.00
Enchantress	2.50	20.00
Lawson	2.00	16.00
RED		
Beacon	6.00	50.00
Victory	3.00	25.00
Flamingo	2.00	18.00
CRIMSON		
Harlowarden	2.00	16.00
Harry Penn	1.75	15.00

All cuttings guaranteed clean and true to name.

B. F. BARR & CO., Keystone Nurseries, Lancaster, Pa.

Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in the condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.
Enchantress, White Perfection, White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000.
Queen, Boston Market, Pink Lawson, H. Goldhard, \$1.50 per 100; \$15.00 per 1000.
Victory, \$2.50 per 100; \$22.50 per 1000.
Craig, \$2.50 per 100; \$20.00 per 1000.
Cardinal, \$2.00 per 100; \$17.50 per 1000.
Harlowarden, \$1.50 per 100; \$15 per 1000.
Cash with order or satisfactory references.
SMITH & GANNETT, Geneva, N. Y.

ROOTED CUTTINGS OF THE PUREST WHITE ENCHANTRESS

We believe we have the largest and best stock in the country. The reason for this statement is that we were first in the market with this grand pure white. Orders now being booked for January and later delivery at \$6.00 per 100, \$50.00 per 1000. Also a large stock of Winsor, Pink Enchantress, Lawson and other commercial varieties.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
38-40 Broadway, DETROIT, MICH.

CARNATIONS

White Enchantress	100	1000
Rose Pink Enchantress	\$5.00	\$45.00
Enchantress	2.50	22.50
Victory	2.00	18.00
Harlowarden	1.50	15.00
Prosperity and Gaethe, rooted, to order.		
Strong, undivided DAHLIA CLUMPS.		
Per 100		
White Swan	\$5.00	\$50.00
Prince Bismarck	5.00	50.00
Clifford Brulton	5.00	50.00
Glowing Coal	5.00	50.00
KRAMER BROS., FARMINGDALE, L. I., N. Y.		

CARNATION SPECIALTIES

Rooted Cuttings of the following now ready.

WINSOR	100	1000
WHITE PERFECTION	\$6.00	\$50.00
ENCHANTRESS	4.00	40.00
WHITE LAWSON	2.50	20.00
M. A. PATTEN	2.50	20.00
RED SPORT	2.00	15.00
PINK LAWSON	2.00	15.00
QUEEN	2.00	15.00

250 at 100 rates. Cash with order please. Our stocks in O. K. in every way.

VALLEY VIEW GREENHOUSES, Marlborough, N. Y.
VELIE BROS., Props.

	Per 100	Per 1000
White Enchantress	\$6.00	\$50.00
Winsor	6.00	50.00
Beacon	6.00	50.00

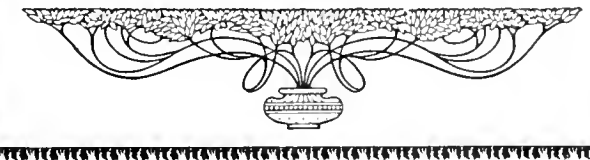
Healthy Rooted Cuttings
Scranton Florist Supply Co.
SCRANTON, PA.

Introducers and growers of carnations who supply the trade with rooted cuttings will find this a very favorable time for placing an advertisement in THE FLORISTS' EXCHANGE.

CARNATION GROWERS

OUR issue for next **Saturday, February 1, 1908**, will contain a full report of the meeting of The American Carnation Society, which is to be held in Washington, D. C., on January 28, 29 and 30, and carnation growers will find in that issue a most timely opportunity to place advertisements of either novelties or standard varieties that they may have to offer. Advertisements should reach us not later than noon on Wednesday next, January 29, or as much earlier as possible.

THE FLORISTS' EXCHANGE, 2-8 Duane St., N. Y.



Carnation Cuttings

	100	1000
Andrew Carnegie, scarlet Harlowarden, the best scarlet for you to grow	\$12.00	\$100.00
Aristocrat, beautiful cerise	6.00	50.00
Welcome, silvery pink, very good long stems	6.00	50.00
Winsor, silvery pink, good producer	6.00	50.00
Beacon, orange scarlet	6.00	50.00
Red Chet, scarlet, produces 2 1/2 of any other scarlet	\$6.00	\$50.00
White Enchantress, large stock of the true, pure white	6.00	50.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Daybreak Lawson or Melody	3.00	25.00
Victory, good scarlet	3.00	25.00
Enchantress, large stock	2.50	20.00

Special prices on large quantities. Send us your order.
CHICAGO CARNATION CO., A. T. PYFER, Manager, Joliet, Ill.

AS a matter of Business Policy it pays to satisfy a customer. This I am aiming to do in order to have your good will as well as your trade. Rest assured that I will do all in my power to satisfy you, for I am well equipped (better than ever) to supply you.

CARNATION ROOTED CUTTINGS

of high grade and can give prompt delivery. Pure WHITE ENCHANTRESS, BEACON, WINSOR, ARISTOCRAT, PINK IMPERIAL, \$6.00 per 100, \$50.00 per 1000. ROSE PINK ENCHANTRESS, WHITE PERFECTION, VICTORY, \$3.00 per 100, \$25.00 per 1000. ENCHANTRESS, M. A. PATTEN, HELEN GODDARD, HARLOWARDEN, \$2.50 per 100, \$20.00 per 1000.

Also all the best novelties of the season's introduction at the introducer's prices. Drop me a line.
S. S. SKIDELSKY, 1741 No. 18th St., PHILADELPHIA, PA.

CARNATIONS ROOTED CUTTINGS Ready Now

Aristocrat, Beacon and Winsor, \$6.00 per 100, \$50.00 per 1000.	White Perfection, \$3.00 per 100, \$25.00 per 1000.
Enchantress and J. Haines, \$2.50 per 100, \$20.00 per 1000.	Lawson, \$2.00 per 100, \$15.00 per 1000.

Grown cool and well-rooted. If you have already placed your orders for this season, try just a hundred in order to get acquainted with the stock I send out.

ALBERT M. HERR, Lancaster, Pa.

New Rose MRS. JARDINE

Has All the Good Qualities and is a Money-Maker

Easy to Grow—Large Flowers—Free Bloomer—Fragrant

It has all the **good qualities**, and already has been **awarded many honors**: A **silver medal** from the Massachusetts Horticultural Society; a **silver medal** from the Pennsylvania Horticultural Society; numerous certificates.

It has also stood the best test that any novelty could possibly have in receiving the **HIGHEST HONORS** of the award committee of the **NEW YORK FLORISTS' CLUB** after their **EXHAUSTIVE EXAMINATION** of the growing plants in **DECEMBER**, they having unanimously awarded **MRS. JARDINE** the club certificate with a score of **NINETY-TWO** points.

Our young stock is in **superb condition**, and all orders will be filled in **strict rotation** on and after March 15th, from two and one-half inch pots, \$6.00 per dozen; \$30.00 per hundred; \$250.00 per thousand; \$1,125.00 per five thousand. Grafted plants on **Dickson's Manetti** stocks, \$5.00 per hundred additional.

Full printed description on request. Send orders to

ROBERT SCOTT & SON
Sharon Hill, Pa.

WILLIAM P. CRAIG
OR **1305 FILBERT STREET, PHILADELPHIA, PA.**
Sole Selling Agent in United States and Canada

A. L. YOUNG & CO.

WHOLESALE FLORISTS
54 WEST 28th STREET, NEW YORK.
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—While prices for cut flowers are perhaps not what they ought to be, business has been running along fairly smoothly and clearances in most lines have been the rule rather than the exception. Roses are by no means very plentiful; American Beauty have at times touched the 60c. mark in small lots, and Bride and Bridesmaid run from \$10 per 100 down to \$2 per 100. Robert Simpson is sending to Traendly & Schenck a new rose, an offspring from Mme. Caroline Testout, which, owing to its pleasing pink color and other good qualities, is looked upon with much favor by buyers. Killarney, when well grown, always averages a little better price than Bridesmaid; and, although there is quite a large supply reaching here every day, the chances are that by another year a much greater number of Killarney will be grown. The variety Wellesley is not much in evidence, John I. Raynor being perhaps the only dealer who receives this rose regularly.

Carnations are becoming more plentiful and are steadily increasing in vigor as the days lengthen. Enchantress is seen more than any other pink, and in spite of its sleepy tendency, it continues a favorite. Among the favorites received by John Young from the Cottage Gardens Company are Alna Ward, white, and Mrs. Tom Harvey, pink, both of which are superior novelties in their respective colors. Winsor from F. K. Pierson Company is a continual good seller, as also is the variety Welcome from Baillouze Brothers. Ford Brothers are handling a superior grade of Enchantress and other standard sorts from the greenhouses of Hession, the well-known Flatbush grower. W. F. Sheridan has a special line of undisseminated varieties that are always in good demand if there is any business going at all; in fact, as regards really first-class carnations, the city was

never so well supplied as it is at present.

Violets are not bringing any fancy prices, either; from 35c. to 60c. per 100 are the ruling figures, and the last mentioned is an outside price and applies to lots sold in small quantities. E. C. Horan's store is one of the violet centers of the city, B. Slinn and George Saltford also dealing largely in this specialty.

Orchids are a trifle firmer than last week, though values are away down considering the quality of the flowers. James McManus has long made a specialty of orchids, and for variety and continuous supply he is the leader.

Gardenias have shortened up considerably, and prices are firmer. Lilies are abundant and lower in price. Tulips, white, pink, yellow, and red, are all in quantity, and there seems no diminution in the supplies of Paper White narcissus and Roman hyacinths. Smilax, asparagus and adiantum are none of them selling satisfactorily, and fixed prices are out of the question.

CHICAGO.—The first half of the week shows a considerable improvement in the market over the conditions of last week, but without material change in prices. Buyers are more in evidence, and shipping business is heavier. Roses are especially strong, and heavy shipments have been made. The demands of such important business centers as Kansas City, St. Louis and Buffalo have been larger than for some weeks, bodequing an improvement in the retail trade of those centers, possibly due to the passing of the late financial depression. Bride and Bridesmaid, and Killarney roses are plentiful, and the bulk of arrivals appear to be in the

pink of perfection from a growing standpoint. American Beauty roses continue rather too abundant for quick moving, but there are signs of a shortening of the crop.

Carnations are arriving in quantities greater than the market can absorb, but the sacrifice falls to the inferior grades, fine stock moving off without much trouble, although at not over remunerative prices. Red sorts predominate and are called for most; white varieties are on the scarce side.

Orchids are in fair demand, but most of the business offering is from outside points, the local requirements being very small, without apparent reason. Bulbous stock is extremely plentiful and does not command high figures, excepting for particularly fine flowers. Narcissus is in oversupply, and minimum prices govern the majority of sales. Tulips are much improved in quality, and there is greater variety among the offerings. Sweet peas move fairly well within the range of prices quoted, long stemmed stock being most sought. Violets are holding their own this week, without change in prices; locally grown stock, in single varieties looks very attractive. The weather is mild and uncertain with much cloudiness. A few cold days would benefit the market to a great extent. J. H. P.

BOSTON.—There has been quite a good deal of activity all along the line and trade is much more satisfactory than a week ago. In fact some of the staple articles of the trade are inclined to be scarce. Roses are at present the best sellers; American Beauty remain about the same as last week both as regards demand and prices. Richmond and Killarney are very fine and sell well. There is a good call too for Bride and Bridesmaid of good quality. Carnations are more stagnant than they were, and prices are a little lower. Violets are very plentiful and sell at low figures.

Bulbous stock is going fairly well. Lilies are plentiful, as are callas, which are much used at present. Trumpet narcissus and noctius are now both in the market and sell fairly well. J. W. D.

PHILADELPHIA.—We cannot report any improved conditions in the cut flower market. There appear to be plenty of flowers around, this is owing to the limited demand. This week some commission men and growers are trying to get \$7.50 per dozen for American Beauty, but few were sold at that price. Tea roses are bringing from \$12 to \$15 per 100 for the best stock. Carnations run generally from \$3 to \$4, a few Beacon realizing \$8 per 100. Lily of the valley brings \$2 to \$4 per 100; there is too much of it on hand, as large quantities are seen on the street. Tulips sell at \$2 to \$3 per 100; narcissus, Paper White, \$1.50 to \$3. Cattleyas fetch \$10 to \$50 per 100; the supply is plentiful. DAVID RUST.

ST. LOUIS.—The cut flower market was full of everything in the past week, and the wholesalers experienced some trouble in disposing of all their consignments at good prices. The retailers say that funeral work has been quite plentiful, but all other work is somewhat scarce with the downtown trade. Uptown retailers report a number of weddings, receptions and dinner parties booked for the near future. Quite a lot of this kind of work should be on now before Lent sets in. January 23 is McKinley Day; carnations should then be in great demand.

DAYTON, O.—The holiday trade in this city was even better than last year's; also better than expected, considering the financial flurry and scare. Only a few receptions were canceled in the early Winter; otherwise the florists have had an unusually busy season. The plant sales continue to increase each holiday. Holly was of a very poor quality and scarce, which made all other kinds of green more sought after. Matthews the florist had sufficient orders to use up two tons of bouquet green which was made into festooning and found ready sale, 20,000 yards being realized out of the two tons. One hundred pounds makes 500 yards, if not made too heavy. M.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

New Carnation

DEFIANCE

Brilliant Scarlet

There are seven reasons why you should grow DEFIANCE and they are:

- 1st.** It is by far the best color ever seen in a scarlet Carnation; it is the true velvety scarlet and not red; it will average 3 inches in diameter throughout the season.
- 2nd.** It is unexcelled for productiveness by any Carnation in commerce to-day.
- 3rd.** It is a clean and upright grower, producing an abundance of high grade flowers without any special treatment.
- 4th.** It is in perfect health, and not subject to rust or any other disease, which is very prevalent among scarlet varieties.

- 5th.** It is of perfect form; blooms are very symmetrical, center nicely built up and very full, but not so as to appear crowded; stems are very stiff and wiry, holding the flowers perfectly erect.
- 6th.** It is a scarlet for the entire season; it comes into crop in October and continues through the entire season; it does not lose its color in bright sunlight, in fact, it improves in bright sun when other reds fade.
- 7th.** It is the only scarlet to-day, and by growing DEFIANCE you will be satisfied, as it has no faults, is full of vigor and will do the work where other scarlets fail.

Strong, well-rooted cuttings, every one guaranteed, \$12.00 per 100, \$100.00 per 1,000

Usual Discount on large orders

January Delivery as Yet

JENSEN & DEKEMA,

No. 674 W. FOSTER AVE., CHICAGO.

W. N. RUDD,

MORGAN PARK, ILL.

White Fair Maid

ROOTED CUTTINGS

\$10.00 per hundred; \$75.00 per thousand

WELCH BROS.,

226 Devonshire St., BOSTON, MASS.



A PENNY SAVED IS WORTH TWO EARNED

Save your Pinks from Splitting by using the

M. & D. ARTIFICIAL CALYX

Free Sample. Send for one and be convinced of its merits

MAXFIELD & DIMOND

P. O. Box 3044, WAREN, R. I.



Pat. Sept. 18-06

CARNATIONS

Rooted Cuttings of all the new and standard market varieties. Send for price list.

WM. SWAYNE

Box 226 Kenneth Square, Pa.

CARNATIONS

	Per 100	Per 1000
Winsor	\$6.00	\$50.00
White Enchantress	6.00	50.00
Aristocrat	6.00	50.00
Beacon	6.00	50.00

December 15th or later delivery.

JENSEN & DEKEMA, 674 W. Foster Av., CHICAGO, ILL.

ANNOUNCEMENT

Our new seedling carnation **TORADOR** will not be disseminated until January, 1909. For further particulars address

THE H. WEBER & SONS CO., OAKLAND, MD.

Rooted Carnation Cuttings

It will pay you to send for my catalogue and price list of the best novelties and standard varieties before buying.

A. F. LONGREN, Des Plaines, Ill.

CARNATIONS

Winsor,	\$6.00 per 100;	\$50.00 per 1000.
White Perfection and Robert Craig,	\$4.00 per 100;	\$35.00 per 1000.
Harry Fenn, Octoberon, Lawson and Patten,	\$3.00 per 100;	\$25.00 per 1000.
Maceo, Fair Maid and Boston Market,	\$2.00 per 100;	\$15.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

ROOTED Carnation Cuttings

PINK

ARISTOCRAT	100	1000
WINSOR	6.00	50.00
ROSE PK. ENCHANTRESS	3.50	30.00
ENCHANTRESS	3.00	25.00
LAWSON	2.50	20.00
JOOST	2.00	15.00

WHITE

WHITE PERFECTION	3.00	25.00
ENCHANTRESS	6.00	50.00
LAWSON	3.00	25.00
QUEEN	2.00	18.00
BOSTON MARKET	2.00	18.00
LOUISE	2.00	18.00
LT. PEARY	3.00	25.00
BOUNTIFUL	2.50	20.00

RED

BEACON	6.00	50.00
VICTORY	3.00	25.00
ROBERT CRAIG	3.00	25.00
FLAMINGO	2.50	20.00

MISCELLANEOUS

PATTEN	2.50	20.00
HARRY FENN	2.50	20.00
HARLOWARDEN	2.50	20.00

THE LEO NIESSEN CO.,
Wholesale Florists,
1209 Arch St., PHILADELPHIA.

Winsor Carnations

From 6000 plants we have plenty of exceptionally fine stock, and 50,000 ready for shipment now.

From 21 in. pots \$7.00 per 100; \$60.00 per 1000

Rooted Cuttings \$6.00 per 100; 50.00 per 1000

A. N. PIERSON,
CROMWELL, CONN.

VICTORIA

NEW SEEDLING, crossed by Lawson and Harry Fenn, the color of Lawson and the long stem of Harry Fenn; it is more prolific than either. Lawson is past. Victoria is better than Lawson ever was, and gave us last Winter from 20 to 95 per cent. more blooms each month. It is very healthy and a nice grower. I have two houses of it, and it is a sight to see the buds and blooms. It brings more money in the market than Lawson. Read below what J. A. Budlong & Sons Company of Auburn, R. I. say of it. They are growing it this Winter. J. A. Budlong & Sons Company are one of the largest market gardeners in New England, also the largest rose and carnation growers in Rhode Island.

December 10, 1907.
Mr. J. H. Cushing, Quidnick, R. I.
Dear Sir: We have 1175 plants of your new seedling Victoria carnation which we planted in house the last of July. They

have made fine plants and we think now will produce as many flowers, if not more, than any carnation we ever grew. The stems are stiff and good length. The flower is also a good keeper.

We have sold these flowers in several instances to some of our best trade in Boston, who thought they were a long-stemmed Lawson.

Up to date, we have cut 4768 flowers from the 1175 plants, and there are as many buds in sight to-day as there have been any time since we started to cut. In other words, the cut has been very uniform and looks as if it would continue so throughout the Winter.

We do not think that you will make any mistake by putting this carnation on the market. Yours truly,

THE J. A. BUDLONG & SONS CO.

Price of Victoria rooted cuttings, \$75.00 per 1000; \$8.00 per 100; 250 at 1000 rate.

ROOTED CUTTINGS

	100	1000
Queen	\$1.50	\$12.50
Perfection	3.00	25.00
Winsor	5.00	50.00
Aristocrat	5.00	50.00
Enchantress	2.00	15.00
Rose Enchantress	3.00	25.00

RED

Red Chief	4.00	
Victory	2.50	22.50
Robert Craig	2.50	22.50
Harry Fenn	2.00	15.00

VARIEGATED
Mrs. Patten 2.00 17.50
J. H. Cushing, Prop., Anthony P. O., QUIDNICK, R. I.

The Test ^{Is} What Tells The Story

When growers, who buy by the hundred the first season, order thousands the next **IT MEANS MERIT**

BEACON CARNATION

Occupies this enviable position. As an all Winter Blooming Scarlet

IT HAS NO EQUAL

Strong, vigorous, healthy cuttings ready now, per 100 \$6.00, per 1000 \$50.00

WINSOR	\$6.00	100	ROSE ENCHANTRESS	\$4.00	1000
WHITE PERFECTION	1.00	100	ENCHANTRESS	3.00	25.00

Make all Money Orders payable on NORWOOD, MASS.

PETER FISHER, - - Ellis, Mass.

EVERYONE BUYS LLOYD

LLOYD THE BREAD and BUTTER CARNATION

The only everblooming large-flowering white carnation in existence. LLOYD is the best all-around carnation ever produced. LLOYD will give you more flowers than any carnation you can grow. Size, stem, fragrance, keeping and shipping qualities cannot be excelled. LLOYD will not disappoint you

ROOTED: \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000.

UNROOTED: \$6.00 per 100; \$50.00 per 1000.

H. A. JAHN, - - NEW BEDFORD, MASS.

"Fibrotta"

PARLOR PLANT TUBS

Inexpensive and Durable

Made of Indurated Fibre, best material known for Plant Tubs

Fibrotta Parlor Plant Tubs are moulded in one piece; are seamless; moisture proof; of rich and striking appearance and will stand a lot of hard usage.

Made in a wide range of sizes and sold at very low prices.



"It's So Easy"

ROLLING STANDS

Handiest device made for shifting plants and tubs about the floor. Compact, durable, neat, inexpensive. Rolling Stands save floors, carpets and muscle. Made to fit Fibrotta and other tubs and pots.

Fibrotta Vases for Cut Flowers and Fibrotta Flower Pot Saucers

Two good things you should know about. Thoroughly practical; far more satisfactory than earthenware and more economical.

Ask your Jobber for description and prices, or write us

CORDLEY & HAYES

173 Duane Street

NEW YORK

"Fibrotta"

New York.

The Week's News.

It is very pleasing to learn that Park Commissioner Smith is to renovate the worn-out soil in Central Park by sowing forage crops and then plowing them under. This is certainly a successful way and is sure to prove beneficial and of permanent value to the land, and is of a much more practical nature than some of the impractical suggestions offered by experts toward reviving the worn-out soil in this park several years ago. Of course, it is only the lawns and grass plots that can be treated this way. The shrubberies and that part of the park devoted to forestry, which comprise a large acreage, must have been sadly neglected by those in charge for a number of years for the soil to get into such a poor condition as it was proclaimed to be by experts when the examination was made two or three years ago. If, instead of raking the leaves from the shrubberies, they were allowed to remain where they fell and a little fertilizer was added from time to time, the trees and shrubs would thrive better and the soil would not become impoverished, but improve from year to year; and, excepting for the little expense of fertilizer, there would be no need of any large expenditure of funds, a fact that would prove welcome to the tax-payers.

The wholesale plant market at 43 West Twenty-seventh street is now open each day until 4 p. m. The growers who are attending there daily are becoming better satisfied every day with the results obtained, many customers coming in the afternoon that could not attend in the morning, and it is believed now that the market will be a success in every particular.

Mr. and Mrs. Benjamin Dorrance, Dorraoceton, Pa., were in town this week. Mr. Dorrance attended the meeting of the directors of the New York Cut Flower Company, and on Wednesday, with Mrs. Dorrance, left for a visit to Florida.

Cards have been received in this city announcing the marriage of John Radder of the well-known firm of J. Blaauw & Company, Boskoop, Holland, to Miss Jeannette L. M. van Lieshout, which took place on Thursday, the 23d inst. Mr. and Mrs. Radder sail to-day, Saturday, on the steamer Statendam from Rotterdam for New York. On their arrival here Mrs. Radder will remain with relatives in this city, while her husband makes his usual trip throughout the Western States.

A. J. Pieters, president of the A. J. Pieters Seed Company, Hollister, Cal., is visiting the Eastern trade in the interests of his firm.

The Greek-American Retail Florists and Growers' Association will hold its first annual ball in Palm Garden, Fifty-eighth street, between Lexington and Third avenues, on Friday evening, January 31.

Penrose Halokirs, a Greek florist at 145 West Twenty-seventh street, was arrested at Broadway and Forty-second street one night this week as a suspicious person. It is believed he knows something about the theft of \$7,000 worth of leather goods from Mrs. Margaret Casey of 1505 Broadway which occurred last August.

There will be several delegates from this city to the Carnation Society's convention at Washington next week. Eugene Dailledonze and John Riemels will leave Monday, traveling by the Pennsylvania Railroad, on the train known as the Congressional Limited, leaving Cortlandt street at 3:30 p. m. and reaching Washington at 8:30 p. m.

The third annual dinner of the Nassau County Horticultural Society will be held at Glen Cove, L. I., on Wednesday, January 29, at 4 o'clock p. m.

Thieves broke into the offices of The Florists' Exchange and its publishers, The A. T. De La Mare Printing and Publishing Company, Ltd., on Sunday morning last, January 19. Entrance was effected by sawing through the heavy padlock on the iron door. The marauders pried open every desk in the building, but secured but little loot of value. The contents of the editor's desk and its drawers were thrown topsyturvy, but he missed only a box of stub pens and the proverbial blue pencil—two instruments essential in his daily labor; also a small magnifying glass. A duplicate of the latter was also taken from the desk of Mr. Butterfield and a small sum of money from that of the treasurer. Three of the thieves—all

boys—were captured by the police, two others being still at large. Several of the other offices in the same building were also entered, one of them that of the Waterman Fountain Pen Company, and the booty taken from the latter led to the capture of the burglars, who were discovered by a detective selling gold fountain pens on Park Row on Sunday morning at ten and fifteen cents apiece.

The retail trade in Brooklyn is keeping up to its usual volume—much better than it is on the New York side. J. V. Phillips finds no diminution in his business, and is kept hustling every day in the week. He handles a big lot of roses and carnations daily, and none but the very best are suitable for his clientele. The Brooklyn wholesale dealers find business fairly good this week; they have not as yet become associated with the wholesalers' protective association.

A meeting of the creditors of Hicks & Crawback was held on Monday, January 20, before Robert F. Tilney, referee in bankruptcy, in the Post Office Building, Brooklyn. A trustee was appointed and another meeting will be held on Wednesday, January 29, at 2 p. m. in the office of Mr. Tilney, 26 Court street, Brooklyn.

Mrs. Krick, wife of W. C. Krick, manufacturer of florists' letters and other specialties, has been quite ill for some time, but is now recovering rapidly.

Boston.

News Notes.

"Opportunities for Commercial Apple growing in New England" was the subject of the lecture by Professor F. C. Sears, Amherst, at Horticultural Hall on Saturday, under the auspices of the Massachusetts Horticultural Society. The meeting was well attended and there was a spirited discussion. The subject of the destruction of the San José scale was the most important topic taken up. Professor Sears recommended the lime, sulphur and salt remedy, while several of the members preferred scalecide as being much more effective.

The Boston Co-operative Flower Growers' Association will hold a flower show at their market, 1 Park street on Saturday, February 29. The schedule will be ready in a few days and as a lot of fine prizes are offered a good exhibition is assured.

Elijah Cartwright of Wellesley has a seedling white carnation, which he proposes to grow largely next season. It is after the style of White Perfection, but with much more substance, and it bids fair to be one of the leaders.

James J. Casey, "The Rosary" florist, has just completed making enlargements to his store. He now occupies the two numbers at 214 and 216 Clarendon street and has one of the up-to-date stores of the Back Bay district.

The many friends of Bernard T. McGinty, the popular salesman in the Music Hall market, sympathize with him in the serious illness of his twin children who are suffering from spinal meningitis.

Miss Minnie C. Wilson, formerly with Quinlan Brothers, has opened a store at 18 South Common street, Lynn, Mass., and will conduct an up-to-date establishment. She is well known among the trade.

A. Leuthy, Roslindale, is back from a business trip to Philadelphia and New Jersey cities.

Edward McMulkin, who has been confined to his home for nearly two weeks with grippe, is, we are glad to see, back to his store again.

Frank Mitchell, Waterville, Me., and David Lumsden, Durham, N. H., were in town this week.

The very mild weather recently has started outdoor bulbs amazingly. J. A. Pettigrew of the Park Department reports nicking snowdrops January 17, while Robert Cameron of the Botanic Gardens reports both crocuses and snowdrops as being in bloom.

J. W. DUNCAN.

GREENWICH, CONN.—The Gardeners' Society met on January 15, 1908, and elected the following officers: President, Silas Frost; vice-president, Patrick Flaherty; recording secretary, Thomas Young; financial secretary, Peter Crighton; treasurer, Arthur Mead. The proposition to give plants to children was deferred for action, it being desired to hold a conference with the school committee.

J. K. ALLEN
Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day.
Telephone, 167 Madison Square.
Consignments Solicited

C. BONNET **G. H. BLAKE**
BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4638 Main.
Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Ave. and 26th St.
Coogan Building, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall Space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary.

J.S. FENRICH
Wholesale Florist
THE RELIABLE HOUSE
Valley Gardenias
110 West 28th Street
Telephone 821-825 Madison Square

FORD BROS.
Wholesale Florists
48 WEST 28th ST., NEW YORK
Telephone, 3570-3471 Madison Square.

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Wholesale Prices of Cut Flowers, New York, Jan. 22, 1908
Prices quoted are by the hundred unless otherwise noted

ROSES	A. BEAUTY fancy-special.....	40.00 to 50.00	CARNATIONS	1st grades, all colors.....	1.00 to 2.00
	" extra	20.00 to 25.00		STANDARD White	2.00 to 3.00
	" No. 1	12.00 to 15.00		" Pink	2.00 to 3.00
	" No. 2	4.00 to 8.00		VARIETIES Yellow	2.00 to 3.00
	" No. 3	2.00 to 3.00		" Yel. & Var.	2.00 to 3.00
	Bride, Maid fancy-special.....	8.00 to 10.00		" White	3.00 to 4.00
	" extra	5.00 to 6.00		" Pink	3.00 to 4.00
	" No. 1	4.00 to 5.00		" Red	3.00 to 4.00
	" No. 2	2.00 to 3.00		" Yel. & Var.	3.00 to 4.00
	Golden Gate.....	3.00 to 10.00		NOVELTIES	3.00 to 4.00
RICHMOND	3.00 to 20.00	GARDENIAS, per doz.....	1.00 to 6.00		
Mme. Abel Chatenay	3.00 to 10.00	LILAC, per bunch.....	.60 to .75		
ADIANTUM .....	.50 to .75	LILIES.....	6.00 to 10.00	
CROWKANUM	1.00 to 1.50	LILY OF THE VALLEY	1.00 to 3.00		
ASPARAGUS.....	25.00 to 50.00	MIGNONETTE	3.00 to 6.00		
" Plumosus, bunches.....	12.00 to 15.00	NARCISSUS (Paper White)	1.00 to 1.50		
" Sprengerl, bunches.....	12.00 to 15.00	" Yellow.....	2.00 to 3.00		
CALLAS.....	8.00 to 10.00	SMILAX	8.00 to 12.00		
CATTLEEAS.....	25.00 to 40.00	VIOLETS.....	.35 to .60		
CHRYSANTHEMUMS.....	5.00 to 8.00	CORN FLOWERS.....	1.00 to 1.50		
DAISIES.....	2.00 to 3.00	CORN FLOWERS.....	.50 to 1.00		
		HYACINTHUS, Roman	1.00 to 1.50		
		SWEET PEAS (per doz. bunches)	1.00 to 2.00		
		TULIPS.....	1.60 to 2.00		

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Consignments of Choice Flowers solicited

Cleveland.
Trade Notes.
Business the past week has been remarkably good all around, the wholesale stores selling out every day about as soon as stock comes in. All flowers are rather scarce, due to colder weather and less sun. In roses, Bridesmaid, Bride and Richmond sell for \$15, \$12, \$8, and \$6 per 100; carnations, white, \$3; Enchantress, Mrs. Lawson, \$1 and \$5. Violets have dropped a trifle and bring from 50c. to \$1.25 per 100. Roman hyacinths and Paper White narcissus realize \$3 per 100. Stevia is scarce; tulips more plentiful. Jonquils are coming into this market slowly.

Joseph Goldsoll, chief of our Park Police, died Friday, January 17, of an old wound received in discharge of duty. He was very popular, and the retail florists had all they could do making designs for his funeral.

Westman & Getz are showing some fine cyclamen, and report business active.
Charles Schwake, with Chas. Meyers, is in Cleveland, also Harry A. Bunyard, of A. T. Roddington, New York.

Baltimore.
The annual meeting of the Florists' Exchange of Baltimore was held this week. The manager's report showed a substantial increase in business during 1907, the gain over the previous year's transactions being 15 per cent. The new directors of the Exchange are: E. A. Seidewitz, president; Board of Directors: F. C. Bauer, vice-president; J. M. Rider, secretary; Wm. G. Lehr, treasurer; Wm. Feast, C. E. Akehurst, Philip B. Welsh, J. J. Perry, manager.
A disastrous fire has almost entirely destroyed our beautiful Masonic Temple on North Charles street; the losses are nearly \$100,000.
C. L. S.

S. S. PENNOCK-MEEHAN CO.

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WHITE VIOLETS, \$2.00 per 100. VALLEY, EXTRA CHOICE \$4.00 per 100, \$30.00 per 1000. BOXWOOD, \$15.00 per 100 lbs.

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Chrysanthemums, Roses, Carnations, Lilies, Violets, Valley, Asparagus and Simlax

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Detroit. News Items.

The recent well-attended meeting of the Detroit Florists' Club did not bring forth the desired answer as to which it shall be—a Spring or a Fall show? The committee which had the matter in charge for special consideration favored a Fall show, but the monetary question was a great stumbling block, and the same committee will do some more thinking between now and next meeting.

Business is moving along at an easy gait; everybody is busy with an occasional rush here and there. Prices wholesale and retail are healthy, which after all is the most important feature.

Mr. Rölker of New York is in the city looking after his trade.

J. P. Sullivan ventured out to Mt. Clemens, but returned with a worse cold than ever.

M. Wolf has again a stand on Woodward avenue.

Washington, D. C.

Trade Items. Business opened up briskly during the forepart of last week, but slackened toward the latter part. Prices are still high and while stock is a little more plentiful a scarcity still prevails, and some of the dealers are getting as much as \$1.50 per dozen for the best Eucharist carnations which at this season usually sell for less.

All eyes are now turned on the exhibition of the American Carnation Society; a special meeting to perfect arrangements was held on Tuesday night. Many out-of-town growers are expected to co-operate with the local florists in arranging a very attractive exhibition.

The endeavor of the local club to have a special cavalry exhibition by the Fort Myer troops in honor of the Carnation Society was unsuccessful.

JAS. L. CARBERY.

DAVENPORT, IA.—The Tri-City Florists' Club met on January 8, 1908, at the Turner Hall in Rock Island, being unable to meet with Henry Gaetje as scheduled, on account of sickness in the family. It was decided to hold a banquet at the Manufacturers Hotel in Moline on March 26. Two new members, J. N. Jansen of Holland and Theodore Stock, were voted into the club. Mr. Jansen's home is in Holland, and he is representing the firm of Keur & Son of that country in America.

JEFFERSONVILLE, I. N. D.—John Meyer, florist, who located at Cheyenne, Wyo., has returned on account of his health. He is a victim of rheumatism, and is temporarily located at Charles-town.

Wholesale Prices of Cut Flowers—Per 100

Table with columns for Boston, Buffalo, Detroit, Cincinnati, Baltimore, Milwaukee, Philadelphia, Pittsburg, and St. Louis. Rows list various flower varieties and their prices per 100.

BOSTON, MASS. Asparagus Plumosus Killarneys Richmonds Brides, Maids American Beauties Kaiserin Can furnish at short notice. Price according to quality of goods. Long Distance Telephone 6267 and 6268

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E. G. HILL CO. Wholesale Florists RICHMOND, INDIANA

Poehlmann Bros. Co. Wholesale Growers of and Dealers in Cut Flowers 35-37 Randolph St., MORTON GROVE, ILL. CHICAGO

E. H. HUNT The Old Reliable FOR CUT FLOWERS AND SUPPLIES 76-78 Wabash Ave., CHICAGO

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J. A. BUDLONG 37-39 Randolph Street, CHICAGO. Wholesale GROWER of CUT FLOWERS

Wholesale Prices of Cut Flowers, Chicago, Jan. 22d, 1908 Prices quoted are by the hundred unless otherwise noted

Table with columns for ROSES (American Beauty), CARNATIONS (Standard, Varieties, Novelty), and other flower types with price ranges.

Violets Vaughan & Sperry 58-60 Wabash Avenue CHICAGO, ILL.

Chicago. The Week's News. John Deegan of the Winterson Seed Store is receiving the sympathy of his many friends in the trade on the death of his mother, which occurred early on the morning of January 16. H. N. Bruns will shortly cut some extra fine lily of the valley, from the new season's pipe. A. L. Simmons, florist, West Sixty-third street, is lying in the St. Bernard's Hospital, slowly recovering from an operation. Emil Buettner, Park Ridge, is sending in some grand Bridesmaid roses to the A. L. Randall Company, the stems running to 3 1/2 feet and more. Poehlmann Brothers Company are cutting from a particularly fine crop of Killarney roses. Much of the stock coming to their store counters is extra long-stemmed, with fine heads. They are also handling some unusually long-stemmed freesia, some of the bunches seen on Monday having stems fully 24 inches in length. The J. B. Deamud Company was headquarters this week for tulips, the receipts covering stock of a variety of colors, and well-stemmed. The A. L. Randall Company is receiving the first white lilac seen in the market this season, and expects to have a supply daily until Easter. A party composed of about thirty employees of the A. L. Randall Company gave a surprise party to Mr. and Mrs. A. L. Randall, at their residence, 1542 West Monroe street, last Saturday evening, in commemoration of the twentieth anniversary of their wedding. A handsome salad and berry set was presented to the happy couple, C. N. Thomas making the presentation in behalf of the employees of the company. Refreshments were in liberal evidence, and a jovial evening was spent, the company remaining until a late hour. E. F. Winterson is serving his country as a jurymen this week. E. C. Auding left on Monday for California, in search of a much needed rest. He expects to be away from Chicago six weeks. Bassett & Washburn are getting a daily cut from several benches of that beautiful scarlet carnation, O. P. Bassett, winner of the silver medal at the Toronto convention last year. The variety is to be seen at its best just now at the Hinsdale greenhouses of the firm. It was thought that the variety would be sent out this season, but the firm has decided to hold it until next season. It is hardly likely that it will be seen at the forthcoming carnation convention, but it will no doubt figure at the Fall shows. A quantity of the blooms

CHAS. W. MCKELLAR ORCHIDS FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS 51 Wabash Ave., Chicago

A. L. RANDALL CO. Western Headquarters for Up-to-Date Florists' Supplies Write for Catalogue Nos. 19-21 RANDOLPH ST., CHICAGO

was shipped to Texe last Monday, the variety being well known at did out shipping points as a good hipper. Charles W. McKellar reports a good demand for orchids, more especially for his shipping trade. Cattleya Trianae, and phalaenopsis form the major part of his receipt. J. A. Bidding and J. P. T. Clapp are making a week's trip through Indiana and Ohio, visiting the different prominent growers. Vaughan & Sperry are receiving New York violets every day. Peter Reinberg is preparing to build from three to eight more greenhouses on his new place, known as "The Farm." The house will be each 300 feet long, and construction will be commenced as soon as the season allows. Sufficient glass for some of the new houses has already been purchased. E. H. Hunt is fitting up another floor in the building he occupies, to relieve the crowded condition of his other space. J. H. PEPPER.

St. Louis. News Notes. The Engelmann Botanical Club held its regular meeting Monday evening, January 13, which was largely attended. Professor M. Craig, who has charge of the herbarium at Shaw's Garden, gave a very interesting lecture. This being the first meeting in the year, the election of officers took place, resulting as follows: C. H. Thompson, president; H. S. Barber, secretary; Doctors Gladfelter and Green, vice-presidents, and John Kellog, treasurer. The club holds its meetings every second Monday in the month in the Central High School Building. C. C. Sanders paid a visit to Fred Ammann's place in Edwardsville, Ill., the past week, and reports that he never found it looking better. His visit was made in a big snowstorm. Superintendent H. C. Irish of Shaw's Garden has received an invitation from President Hoy of Springfield, Ill., to read a paper on a subject of his own selection before the meeting of the Illinois State Florists' Association, to be held in Springfield, February 18 and 19. He has accepted. C. De Weyer has left the employ of James W. Dunford at Clayton, Mo. Mr. De Weyer reports that he will build a place on his property on Olive street road this Spring to grow for the trade. Mrs. Bertha Burchel, head of the Riessen Floral Company, met with a very serious accident the past week by falling down stairs at her home, cutting a large gash in her forehead. She is at her post at the store, but with a badly disfigured face, business being such that she could not be spared. Ostertag Brothers furnished the decorations for the Lee wedding. This was one of the largest jobs this year, a large lot of wild smilax and cut stock being used. Julius Konig is now head man at the store on Washington and Jefferson avenues. Martin Moran, city buyer for Mrs. M. M. Ayers, is one of the early birds at the wholesale houses. He is always in the market for the best fancy stock obtainable. Henry Berning received large consignments of violets, roses and carnations the past week from his many growers. A fine lot of American Beauty was seen here. A good shipping trade is reported, also a satisfactory local demand. James W. Dunford has opened a branch in Johnston Brothers' drug store at the corner of Broadway and Franklin avenue. The best of his stock is being used at his West End store on Page Boulevard, known as the Gallager Flower Shop. Good trade is reported at both places. J. F. Wilcox of Council Bluffs, Ia., is consigning a fine lot of fancy long American Beauty to W. C. Smith & Company. This firm is also handling California violets. C. Young & Sons Company have issued their new catalogue, which is full of good things. They expect a big trade in plants and seeds this Spring. President James Young says that they are enjoying a good season's business in plants, bulbs, seeds and cut flower work. ST. PATRICK.

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Indianapolis.

Trade Notes.
John Hartje is assisting Houston Tall, city florist, in waging war on San José scale, as per the City Park board's instructions. The board has decided to employ Mr. Kessler of Kansas City as supervising engineer and landscape architect for the city parks.
John Bertermann visited the E. G. Hill Company at Richmond this week.
La grippe victims are almost too numerous to permit of personal mention; almost all the craft has the malady, it seems.
Visitors: W. W. Coles, Kokomo, Ind.; J. S. Stuart and J. A. E. Haugh, Anderson, Ind.; Fred and Theodore Dörner, Lafayette, Ind.; Charles Knopf and E. G. Hill, Richmond, Ind.; C. B. Kuekman, New York.
Meyer Heller of Heller Brothers, New Castle, Ind., is reported in a serious condition; his many friends are anxious for his welfare.

The State Florists' Association held its annual meeting Wednesday, January 15, at the Commercial Club rooms. Officers for the ensuing year were elected as follows: President, J. S. Stuart, Anderson, Ind.; vice-president, Herman Jung, Indianapolis; second vice-president, Charles Knopf, Richmond, Ind.; secretary, A. F. J. Baur, treasurer, H. Wiegand. About twenty members were present. A most enjoyable evening was the result of a spread and smoker in the club dining rooms. Much important business was transacted. It was decided to put forth every effort to have the American Carnation Society in Indianapolis next year, and all delegates to Washington are instructed to insure a good time for the members in the Hoosier city in 1909.

John A. Evans says the ventilating business is booming and there is no cause for fear.
S. S. Skidelsky's friends in this city comment frequently on his able papers read before the Philadelphia Florists' Club. We all knew his accomplishments in this line, but hereafter Mr. Skidelsky should not be allowed in competition with his brother florists, as he is in a class all by himself. I. B.

FIRES.

POUGHKEEPSIE, N. Y.—A slight blaze in the greenhouse of John Gemmill, 165 North Hamilton street, did damage to the extent of \$300 on the morning of January 10, 1908.

GLEN COVE, N. Y.—The Nassau County Horticultural Society held its regular monthly meeting at Glen Cove on January 8. There was a large attendance of members. H. F. Meyers exhibited a fine vase of carnations. The annual dinner of the society will be held at the Oriental Hotel on January 29 at 4 p. m. G. M. K.

PITTSBURG.—Joseph Munschi, a landscape gardener, died at his home last week, aged 75 years. He was a native of Switzerland, and went to Pittsburg when a young man. He leaves two daughters and one son.

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Newport, R. I.

Horticultural Society.

The regular fortnightly meeting of the Newport Horticultural Society was held Tuesday evening, January 14. President Allan in the chair. The ball committee reported that the returns were not yet complete, but enough so to make it sure that financially the ball had been a decided success. One new member was proposed.

Alexander MacLellan started a discussion on the importance of the matter of registering new plants by the S. A. F. O. H., and said that as he understood that the past and present method is to put the whole work on the secretary of that organization and make him responsible, it would seem that some different arrangement could be reached whereby everything registered, or desired to be registered, would be thoroughly investigated before the new name would receive the approval of the National Society. Mr. MacLellan thought that the secretary of the S. A. F. O. H., at the time of the registration of the hydrangea, so much in evidence lately, should not be held wholly to blame if a mistake had been made. The consensus of opinion seemed to be that in the matter of registering plants the S. A. F. O. H. can be of great service to horticulture and horticulturists if the work is done as it can be by that society. There was no inclination to dictate, but it was thought that the importance of the matter required an expression of opinion, which it was also thought would be welcome by the Society of American Florists. Mr. MacLellan was asked to read a paper at the next meeting, which he agreed to do. D. M.

MADISON, N. J.—The twelfth annual smoker of the Morris County Gardeners and Florists' Society was a gala affair, over 150 members and their guests being present. Great credit is due the entertainment committee—Messrs. Herrington, Schultz, Totty and Duckham—for the high-class talent they secured to amuse us, and the service of coffee, sandwiches, punch à la Totty, and cigars was timely and abundant. Everybody had a good time.

There was a short business meeting before the entertainment; two new members were elected.
Among our visitors were Harry Turner, Castle Gould, the Rickards Brothers, Wm. Sperling of Stoupp & Walter Company, and W. E. Marshall, New York. Several of the guests helped entertain. Al and Billy Rickards did their parts better than ever before. Mr. Marshall spoke for the New York Florists' Club and also sang for us; O. A. Miller, secretary New Jersey Floricultural Society, spoke for Orange, and extended an invitation to attend the Orange smoker, on February 7, which was duly accepted. E. R.

LOS ANGELES, CAL.—James W. Jeffries, florist, 80 years old, and for the last twenty-six years a resident of this city, died at his home, 151 West Sixteenth street, on January 10, 1908, after an illness of four weeks. He is survived by a widow and daughter.

I gift to you a Violet
In token that I'm glad we met.
I hope we may already yet
Once more again together get.
Dayton, O. MATHEWS.

THE CHRYSANTHEMUM

Arthur Herrington's New Book

The most complete and comprehensive work on the cultivation of the Chrysanthemum that has as yet been published to America. Handsomely illustrated, 168 pages, 5 x 7 inches. Price only 50 cents, postpaid.

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A. T. De La Mare Ptg. & Pub. Co., Ltd.

Syracuse, N. Y.

Trade News.

Trade here is only normal. Large funeral orders have been quite frequent of late, which has tended to keep stock fairly well cleaned up. The demand for bulbous flowers seems to be falling off. Carnations and roses are preferred for private functions.

Mr. Marquisee tells me that, much to his regret, he will be unable to attend the convention of the American Carnation Society at Washington. His half-brother, Mr. Williams of Utica, N. Y., died last week, leaving a large estate; Mr. Marquisee is one of the executors, so has a great deal to look after just now.

We are having considerable dull weather still. Thinking it might interest other florists in other parts of the country to know what their brothers here have to contend with in that direction and the difficulty experienced in producing AI stock, the following figures have been kindly supplied me by the Superintendent of the Government Weather Bureau at Syracuse University:

	Clear Days	Partly Cloudy	Cloudy
Sept.	2	16	12
Oct.	9	6	16
Nov.	3	8	19
Dec.	1	8	22

It will be seen that in four months we have had only fifteen clear days. Now a man who can produce good stock under these conditions knows his business.

The East Side Improvement Association, of which Walter Meneilly and his sons are very active members, have started a new idea that could be followed with profit by many other florists. The plan is to offer six prizes, varying in value from ten to fifty dollars, to the residents of their ward who make the greatest improvements in their home surroundings this Summer. School children will be encouraged to compete.

H. Y.

Buffalo, N. Y.

News Notes.

Trade the past two weeks has been very good. Quite a number of large dinners and receptions were held, which created a demand for violets, orchids and lily of the valley for corsages. American Beauty roses had a good sale; they brought \$18 per dozen. Harrisii lilies are realizing \$3 per dozen and selling well.

There appears to be a local epidemic of grip; quite a number of the craft have been down with it. Edward Slattery and Edward Walther of Palmer's have just returned to work after an attack of this malady. Gertrude Sawyer of S. A. Anderson's has been suffering for several weeks with a severe attack of pneumonia. W. A. Adams of the same firm, who was elected supervisor at the last election, was seated on Tuesday, January 7.

The Buffalo Cut Flower Company reports business very active this month.

W. H. G.

Danbury, Conn.

Joseph E. Cornell, who recently started a cut flower store on White street, was married on January 1 to Miss Ora M. Bissard. Mr. Cornell has been in the business five years in Danbury.

The Deer Hill Conservatories, Mr. Judd, proprietor, are the largest growers in the city. A fine quality of carnations is produced, a house of recent construction being devoted entirely to the leading varieties. Considerable outdoor work was in progress in the way of grading and road-making.

J. M.

AMES, MASS.—Professor F. A.

Waugh, head of the landscape gardening department of the Massachusetts Agricultural College, has just received word from the United States Patent Office that a patent has been allowed on his "pocket plane-table." This is an instrument which the classes in landscape gardening have used for two or three years, and which will probably prove useful for a variety of landscape gardening and engineering work.

A. G. SMITH & SON, violet growers, Petersburg, Va., send us a handsome advertising card showing a pretty "matinee girl" in profile. "The best and only the best" is the firm's motto.

Tobacco Paper "NICO-FUME" LIQUID

is the STRONGEST, BEST PACKED, EASIEST APPLIED

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- Pint \$1.50
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 - Gallon 10.50
 - 5 Gallons 47.25



THE WHILLDIN POTTERY COMPANY THE LARGEST MANUFACTURERS OF STANDARD FLOWER POTS

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SHEEP MANURE

Pulverized. Free from all Adulteration In Bag, \$18.00 per Ton.

ROBERT SIMPSON, CLIFTON, N. J.

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN, 194 BOYLSTON ST., BOSTON, MASS.

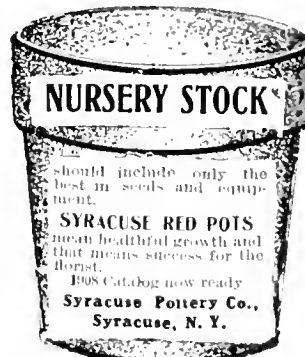
SANTA BARBARA, CAL.—The Civic League, recently organized, with a general committee of 100 and an executive committee of fifteen, whose purpose is the management of fetes, receptions of a general nature and the general betterment of civic affairs for Santa Barbara and environs, has decided to make the inaugural event of that association a reception to the Atlantic fleet, augmented with a flower fete that will surpass anything of the kind ever attempted in the world. To this end the co-operation of local artists among the painters of landscape, marine and still life and adepts at landscape gardening has been enlisted. The movement has received cordial support from all classes in this city and contiguous points, and from the interest already manifested by the men of means in and about this city it can be safely vouchsafed that the reception to be given Rear Admiral Robley Evans and his men will go down in history as the greatest floral display that has ever been presented at any time.

LOS ANGELES, CAL.—At a largely attended meeting of seedsmen, florists and nurserymen on January 4, 1908, at 555 South Main street, plans were discussed and preliminary arrangements made for the great flower show to be held here early in April. Indications point to a highly successful exhibition, as a large number of lovers of plants and flowers will exhibit from their private collections, in addition to the display made by the professional florists. Pasadena will be a prominent factor at the show, as the Gardeners' Association has taken an active interest in the proposed exhibition and at its next meeting will be visited by a committee from Los Angeles.

SEATTLE, WASH.—The Seattle Florists' Society will arrange for a flower show next Fall. At a recent meeting held in the offices of the Seattle Floral Company, which was attended by a large number of florists and horticulturists, a committee was appointed to wait upon those likely to be interested and to arrange for financing the show.

CINCINNATI, O.—Herbert Green-smith is now with the J. M. McCullough Seed Company, in charge of the firm's plant department. Mr. Green-smith entered on his duties on January 4, 1908.

NIKOTEEN APHIS PUNK
 THE ORIGINAL AND GENUINE
NICOTINE FUMIGANT
 STRONGEST AND MOST UNIFORM
 KILL THE BUGS SAVE THE BLOOMS
NIKOTEEN
 LIQUID
 FOR SPRAYING OR VAPORIZING
 NOTHING BETTER NOTHING CHEAPER
NICOTINE MFG. CO. ST. LOUIS MO.



Standard Flower Pots

Packed in small crates easy to handle.

	Price per crate	120 7 in. pots in crate	Price per crate
1500 2 1/2 in. pots in crate	\$4.88	60 8 "	3.00
1500 2 1/4 "	5.26		
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500 4 "	4.50		
320 6 "	4.51		
144 8 "	3.18		
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Hand Made 48 9 in. pots in crate, \$3.60

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Hilfinger Bros., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts., 31 Barclay St., N. Y. City

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"HORTICULTURAL ADVERTISER"

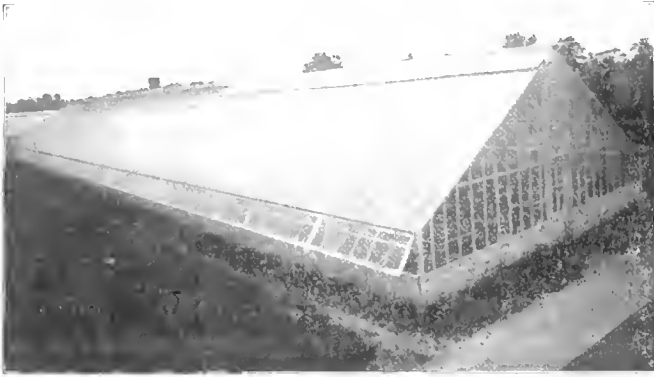
This is The British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

Editors of the "H. A." Chillwell Nurseries, Lowdham, Notts. European Agents for THE AMERICAN CARNATION

Cattle Manure In Bags Shredded or Pulverized

 Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices. The Pulverized Manure Co., 34 Union Stock Yards, Chicago

Please stop my ad. of geranium cuttings. Could have sold them a half dozen times already. Nothing like advertising, if ever so small a quantity. R. POWELL. WHITE PLAINS, N. Y. Dec. 17, 1907.



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GREENHOUSE
 write us for prices on the house erected complete.

The iron work and wood work, the heating apparatus erected, the boiler, the ventilating apparatus, or any part you desire to purchase.

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 Greenhouse Designers and Builders. Manufacturers of Heating and Ventilating Apparatus.
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How About
Hotbed Sash?

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La. Cypress and Wash. Red Cedar **GREENHOUSE MATERIAL**
 Greenhouse Hardware and Posts

A. DIETSCH CO., 615 Sheffield Ave. Chicago, Ill.

New Haven, Conn.

E. J. Morse is about to open a handsome cut flower store next to Poll's Theater.

The violet and sweet pea crops of J. H. Slocomb are in fine shape. These are his specialties under glass in Winter. In Summer he has a couple of acres devoted to various plants for cut flowers that he sells at wholesale to the store men. In gladiolus Mr. Slocomb has many fine seedlings of his own production, some of which he values very highly. Besides these, all the popular varieties are extensively grown. He is quite an authority on hardy herbaceous plants, of which he has a fine collection.

John F. Doughty is making a specialty of high grade geraniums for Spring trade. He says there is as much money in growing geraniums as anything else when a man handles them rightly.

Thomas Pattison is cutting some good carnations and reports business brisk.

F. H. Horn is nicely fixed on Woodward avenue. He grows some good carnations and has a thrifty looking place. Besides being a florist Mr. Horn is quite a nautical man, and is the owner of several nice sailboats.

Smith T. Bradley grows a goodly lot of ornamental and flowering plants; he is the largest grower of this stock in the city, and his greenhouses always contain something of interest to his customers and visitors. J. M.

Waterbury, Conn.

Messrs. Saxe & Flota completed a new house for carnations this past Summer. The house is 150x40 feet. It has cement walks and benches, with iron sills, and top as well as side ventilation.

Alex. Dallas was confined to his rooms with a gripe during the time of your correspondent's visit. J. M.

NASHVILLE, TENN.—Ganey Brothers have purchased six additional acres of land, and have now 12 acres available for garden purposes.

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS

N. COWEN'S SON,
 14 & 16 Wooster Street, New York

Heating.

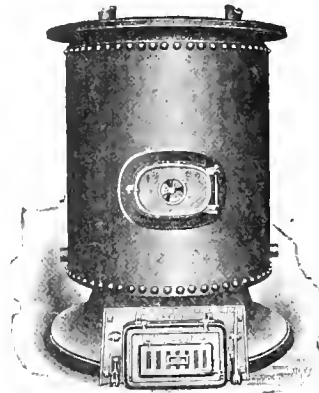
Growers' Problems Solved by U. G. Scollay.

What is the heating capacity of a tubular boiler 4 feet diameter, 15 feet long, containing 11 tubes of 3 inches diameter? The grate to boiler is 5 feet long, 11 inches wide. The boiler was tested to 75 pounds pressure before being removed to install a larger one. How many square feet of glass will this boiler carry, using steam; also what amount of glass will it heat using it as a hot water boiler, and how should the boiler be tapped for water? The temperature desired is 60 degrees in zero weather, without tapping the fire.

Assuming that your boiler is a standard tubular one to be set in brick work we would say that it has a maximum capacity of about 1,200 square feet of radiating surface. The size of the grate that you mention will easily take care of this amount. The boiler will carry in a properly piped range of glass houses about 21,000 square feet of glass to a temperature of 60 degrees. You can use the boiler either for hot water or steam for the amount of glass mentioned, the only difference being that you will require more radiating surface for hot water than you do for steam. I approximate its capacity in hot water at about 7,500 square feet. These are maximum capacities and you must govern yourself in laying out a heating plant not to overload. If you will let me know the amount of glass you propose to heat I will then be in a position to tell you how the boiler should be tapped, both for water and steam. If further information is desired regarding this point send a rough sketch of your house.

U. G. SCOLLAY.

THE NEW DUNING BOILER



The simplest, and most easily cared for, most economical, most reliable and satisfactory, that was ever made for use

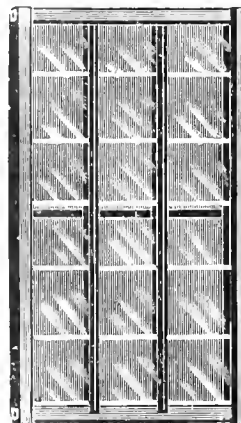
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It is made of fine steel, with vertical fire surfaces. All joints are plate to plate with hot driven rivets—not packed, screwed or pushed connections, and **No Tubes**

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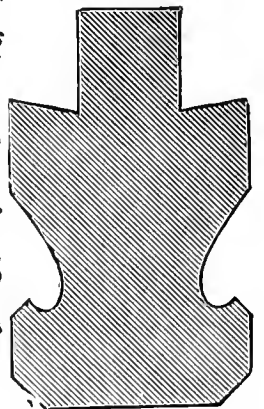


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Designers and Builders U-Bar Greenhouses
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Iron Gutters and Pipes
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Awarded 1st Prize
Gardner's Gutters will keep snow and ice off your glass and prevent breakage.
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Manufacturers of **IRON FRAME GREENHOUSES**
Re-enforcing for Concrete "Post and Board" Walls
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Economy Greenhouse Brackets
are used by leading growers everywhere. Send for price list and descriptive circular.
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Evans Improved Challenge
Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.
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ALL SIZES
16x24 A. & B. Double a Specialty
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See the Point & FEEBLESS
Glazing Points are the best. No warping joints. Box of 1000 for 10 cents postpaid.
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SUMMER IN WINTER
BY USING
Standard Greenhouse Boilers
One cent gets our catalog.
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GREENHOUSE BOILERS
JOHN A. SCOLLAY
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U. G. SCOLLAY, Mgr. Established 43 Years
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FOR WATER SUPPLY GET A STANDARD PUMPING ENGINE
which is A GOOD GAS OR GASOLINE ENGINE AND A GOOD HIGH PRESSURE PUMP.
BOTH IN ONE MACHINE
Catalogue will tell you more.
The Standard Pump & Engine Co. CLEVELAND, O.

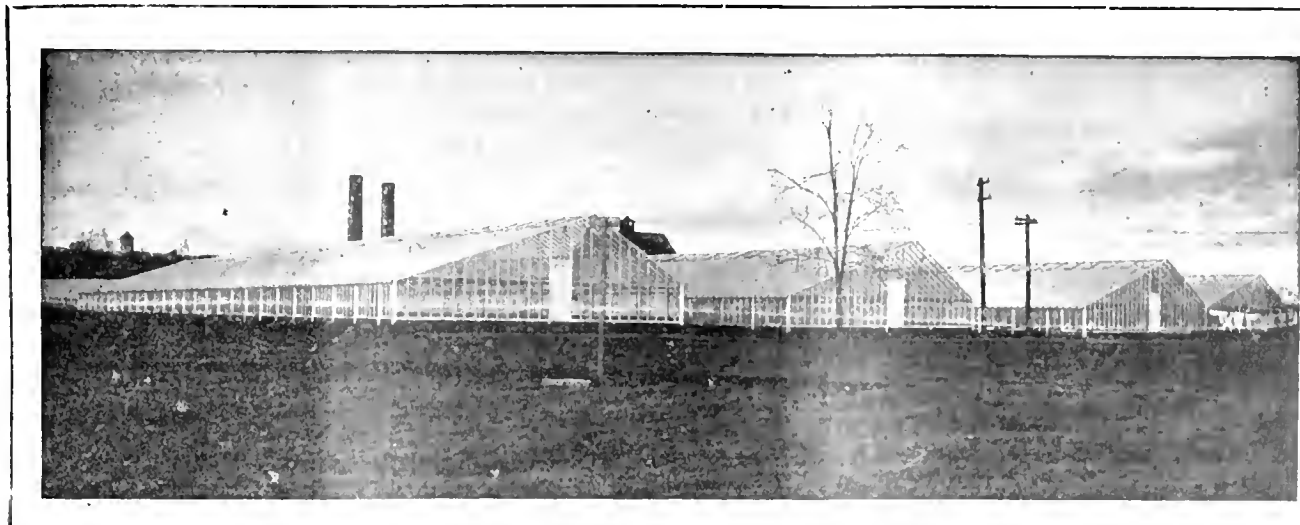
How About It?
Are you going to get off the subject of building until next summer season? Why not talk it all over now, and get the whole business all in good shape so that next spring when the first warm day shows up you can get right out and put up your greenhouse? No waiting, no worry, no loss of time and money. Mr. Florist, it is a common sense proposition—figure and order now, and build when you want to. We have time to give you careful, close attention now. You want the catalog first, so send for it today. Don't lock the door tonight unless you have written for it.

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CHICAGO.
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A. I. De La Mare Ptg. & Co. Ltd., New York

WILLIAM H. LUTTON
HORTICULTURAL ARCHITECT AND BUILDER
WEST SIDE AVENUE STATION (C. R. R. OF N. J.)
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Have not been established 50 years, but long enough to convince the wide-awake Florist and Gardener that it is to his interest to place his work in thoroughly practical hands.
(150,000 sq. ft. glass erected in 1907 will substantiate this claim.)
And why not? My material is the best that can be secured. My iron frame construction has every modern feature that years of practical experience can embody.
And then there is the cost to be considered. Why not let us take up this important question now?



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Asparagus Tenuesimus, 5 in. pots \$3.00 per doz.
 Asparagus Sprengerii, 3 in. pots, \$4.00 per 100.
 Ampelopsis Veitchii, 1 year old plants, \$5.00 per 100. 2 year old plants, strong, \$10.00 per 100; \$1.50 per doz.
 Cape Jasmine, 4 in. pots, \$2.00 per doz.
 Cyperus Alternifolius, 2 1/2 in. pots, \$3.00 per 100.
 Ferns for dishes, 2 1/2 in. pots, \$3.00 per 100.
 Ferns, Boston and Anna Foster, 4 1/2 in. pots, \$2.00 per doz.
 Geraniums, best commercial varieties, rooted Cuttings, \$2.00 per 100.
 Ivy, hardy English, 4 in. pots, \$1.50 per doz., \$10.00 per 100.
 Moschosa Riparium, 4 in. pots, \$1.50 per doz.
 Palms, Cocos Weddelliana and Kentia Belmoreana, 4 in. pots, \$3.00 per dozen.
 Rooted Cuttings, \$1.00 per 100; Heliotrope, Fuchsiae, 4 varieties; Solvias, dwarf and tall; Variegated Vincas and Cupheas.
 Carnations, strong rooted cuttings. Write for list of varieties and prices. Write for cash with order please.

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thoroughly and economically during the coming Winter is the problem now engrossing the mind of the Florist who takes time by the forelock.

I am in a position to help you to the best solution of this problem. I have done it for others. I can do it for you.

It will be to your advantage to consult me and get quotations on your heating plant either erected complete or for material ready for erection.

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WRITE ME TO-DAY.

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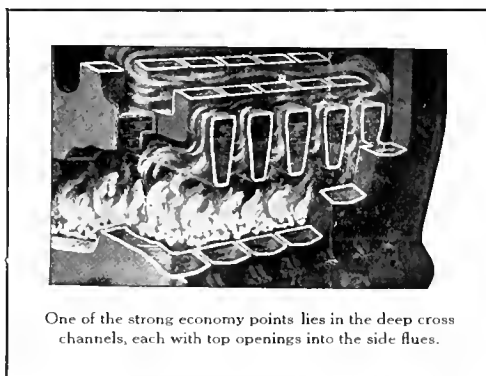


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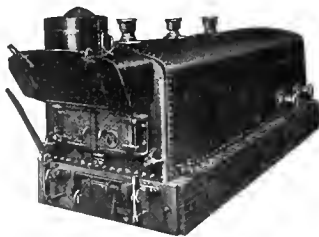
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Foley's QUALITY AND WORK THE BEST PRICES RIGHT AND LOWEST ESTIMATES WILL PROVE. TRY US

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Will ventilate any size of house easily. Send for circular

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A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXV. NO. 5

NEW YORK AND CHICAGO, FEBRUARY 1, 1908

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**Strong Rooted Cuttings
Now Ready for Delivery**

WINSOR has proved to be the finest carnation in the light pink class. We sold a large quantity of it last year, but there will be a much larger sale for it this year. At the English Carnation Show held in December, it was the winner in the light pink class. It is doing well everywhere, and will supplant everything in that color.

WHITE ENCHANTRESS will occupy the same position among white carnations that Enchantress does among flesh pinks. It has all the good qualities of the common Enchantress,—long stem, earliness, large size, freedom, etc. In our opinion it is by far the best white carnation ever introduced.

We have a splendid stock of both Winsor and White Enchantress ready for immediate delivery, and will guarantee perfect satisfaction with the cuttings supplied. Do not wait, because the demand for these varieties is bound to be enormous. Order early, while we can promise immediate delivery, and secure gilt-edged stock. We have a large stock of both of these varieties, and all our cuttings are heel cuttings, taken from flowering stems. On account of the quantity that we are growing, we are not obliged to over-propagate, and our stock is in the most perfect and healthy condition.

Strong rooted cuttings from sand, \$6.00 per 100, \$50.00 per 1,000. Extra strong transplanted cuttings from soil, \$7.50 per 100, \$60.00 per 1,000.

Strong established pot-grown plants, \$9.00 per 100, \$75.00 per 1,000.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Splendid Crop of

Asparagus Plumosus Nanus

Extra Large Heavy Strings 50c. each

Grafted and Own Root

ROSE PLANTS

OF

Kaiserin Augusta Victoria now ready to ship. Send for prices.

W. H. ELLIOTT, Brighton, Mass.

Vaughan's New Crop Flower Seeds for Present Sowing

10. Per Cent. Special Cash Discount: On orders over \$2.00 for Flower Seeds if the cash is enclosed, 10 per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

	Trade Pkt.	Oz.		Trade Pkt.	Oz.
Alyssum, Sweet	lb.	\$1.25	\$0.65	\$0.15	
Little Gem, extra fine strain10	.35		
Begonia, Single tuberous-rooted	...				
giant mixed50			
Double, tuberous-rooted, giant	...				
flowered50			
Vernon	...	30c.	1.00	2.00	
Luminosa, new, better than Vernon	...				
25			
Bellis or Double Daisy, Vaughan's	...				
mammoth mixture, 1-16 oz.	...	45c.	.25		
Vaughan's Mammoth White,	...				
1-16 oz.	...	50c.	.25		
Longfellow, dark pink	...	35c.	.20	2.50	
Browallia, Speciosa Major25		
Candytuft, Giant Hyacinth flowered	...	1/2 oz.	15c.	.10	.20
Celasia, Coxcomb, President Thiers15	1.25		
Centaura, Gymnocarpa	...	lb.	\$2.75	.65	.30
Coleara, Scandens, blue, lb.	...	\$3.50	.10	.30	
Clematis Punctulata, White, sweet scented	...	lb.	\$5.00	.15	.50
Large-Flowering Jackmann Hybrids25	2.00	
Dracaena Indivisa	...	lb.	\$2.50	.10	.30
Indivisa Lineata10	.40	
Forget-me-not, Vaughan's early blooming and late flowering	...	1/2 oz.	10c.	.80	
Fuchsia, double and single varieties, mixed, 250 seeds	...	75c.			
1000 seeds	...	\$2.60			
Grevillea Robusta, silk oak10	.80	
Lantana Hybrida, mixed05	.15	
Lobelia Crystal Palace Compacta	...	1/2 oz.	25c.	.15	1.20
Speciosa for hanging baskets	...	1/4 oz.	15c.	.10	.50
Emperor William, dwarf	...	1/2 oz.	25c.	.10	1.00
Bedding Queen, best dwarf	...	1/2 oz.	25c.	.15	1.50
Mignonette, True Machel, 2 oz.	...	75c.	.10	.50	
New York Market, Packet about 1000 seeds	...	50c.	1/2 oz.	\$1.00;	
oz. \$6.00.	...				
Mimulus (Musk Plant), 1/4 oz.	...	30c.	.10	1.00	
Pansies, Vaughan's International mixture, oz.	...	\$1.00;	1/2 oz.	\$3.00;	1/4 oz.
\$1.50;	...				
Vaughan's "Giant Pansy Mixture," 1/4 lb.	...	\$14.00;	oz.	\$4.00;	1/2 oz.
60c.	...				
Petunia, Giants of California, mixed	...	1-32 oz.	75c.	\$0.25	
"Vaughan's Best" mixture of large flowering Petunias, Tr. pkt. (1000 seeds), 50c;	...	3 pkts. for \$1.25			
Vaughan's large flowering, Double Petunias	...	(1900 seeds)	1.20		
Salvia, Splendens, Clara Bodman (Bonfire)25	\$2.50	
"Drooping Spikes"	...	1/4 oz.	50c.	.25	1.60
Fireball, new	...	1/4 oz.	75c.	.25	
Zurich, new, very dwarf, early50		
Stocks, Large flowering, extra choice, mixed	...	1/4 oz.	35c.	.25	2.00
Pure white, brilliant rose, bright crimson, blood red, light blue, canary yellow, dark blue	...				
Each	...	1/4 oz.	35c.	.25	2.00
"Cut and Come Again," One of the best stocks for cut flowers, the plants producing many side branches with a large percentage of double flowers	...				
White Perfection of Princess Alice blood-red, brilliant lilac, pink	...				
Each	...	1/4 oz.	40c.	.25	2.50
Mixed, the above colors and others	...	1/4 oz.	35c.	.20	2.00
Smilax, new crop, very short this year	...	1/4 lb.	\$1.25	.10	.60
New Myrtle-Leaved, 1000 seeds, 75c;	...	1000 seeds,	\$6.00.		
Thunbergia, mixed	...	1/4 oz.	\$1.00	.40	
Torenia Fournieri, charming pot plant, velvety blue	...	1/4 oz.	40c.	.15	
Fournieri Compacta, Grandiflora	...	1/4 oz.	50c.	.15	
White Wings, white	...	1/4 oz.	40c.	.15	
Balloni	...	1-16 oz.	50c.	.25	
Verbena, Vaughan's Best	...	pkt. 1/2 oz.	oz.		
Mixture	...	\$0.25	\$0.50	\$2.00	
Mammoth, mixed,	...	2 oz.	\$1.70	.10	.25
" White15	.25	1.00
" Purple25	.50	2.00
" Pink shades25	.50	2.00
Firefly, scarlet white eye15	.40	1.20
Striped, on red ground, fine15	.20	1.15
Candissima, white10	.20	.70
Defiance, brightest scarlet10	.25	.90
Dark blue with a white eye10	.20	.70

14 Barclay St., VAUGHAN'S SEED STORE 84 and 86 Randolph St., CHICAGO 208 W. Randolph St., CHICAGO

Geraniums

Our New Descriptive Catalogue, mailed to the trade. Standard varieties and novelties from \$2.00 per 100 up. We will send one thousand, 50 each of 20 good sorts, for \$18.50, five hundred for \$9.25. Cash with order. Not less than 500 sent at this price.

PELARGONIUMS

Purity, Countess of Crewe, Duke of Cornwall, Galatea, Gloriosa, Lady Carrington and Tommy Dodd. Fine stock at \$1.50 per doz., \$6.00 per 100.

MISCELLANEOUS PLANTS

From 2-inch pots, ready for immediate shipment.

AGFRATUM, Stella Gurney	\$2.00	HARDY ENGLISH IVY, 1500	\$15.00
ALYSSUM, Giant Double	2.00	1000	\$2.00
CUPHEA, Cigar Plant	2.00	LOBELIA, Crystal Palace Gem.	2.00
HARDY CHRYSANTHEMUMS	2.00	LANTANAS, 10 good varieties	2.00
COLEUS, 10 good varieties	2.00	PANICUM, Variegated	2.00
FUCHSIAS, in good assortment	3.00	TRADESCANTIA, dark variegated	2.00
FUCHSIAS, Black Prince and Minnesota	2.00	VERBENA, white, pink, scarlet and purple	2.00
		ROSEMARY and LAVENDER	2.00

DAHLIA ROOTS

100 good sorts left at \$5.00 per 100, \$40.00 per 1000 and up. Send for list.

Visitors always welcome. Cash with order.

W. H. ELLIOTT, Brighton, Mass.

R. VINCENT, JR. & SONS CO., WHITE MARSH, MARYLAND

EXTRA FRESH S. & W. Co.'s New Crop Flower Seeds



Table listing various flower seeds such as Alyssum Compacta, Aster, Begonia Vernon, Bellis Perennis, etc., with prices in Trade Pkt. and Oz.

WM. ELLIOTT & SONS, 201 Fulton Street, New York

NEW DOUBLE BLUE LOBELIA KATHLEEN MALLARD The Best Novelty for 1908

Intensely blue flowers, often measuring 3/4 inches in diameter, literally cover the plant, producing a splendid effect.



From 2 1/2 in. pots, \$1.00 per doz., \$8.00 per 100. By Express Only W. W. RAWSON & COMPANY 5 Union Street Boston, Mass.

Landreth's Seeds

NONE are BETTER Try Landreth's Red Rock Tomato, the best Large Red Sort Wholesale price \$2.75 per pound. Or Shipper's Pride Cantaloupe, \$1.20 per pound. BLOOMSDALE SEED FARMS, BRISTOL, PA.

GOOD CROP OF MUSHROOMS

You do not know what a... is before you have tried my Spawn. Be sure to try my Spawn this season. Write me and I will send you free of charge valuable information on the subject. FRESH SUPPLY OF SPAWN EVERY MONTH. KNUD GUNDESTRUP Mushroom Specialist, 4273 M IwauKee Ave., CHICAGO

Lent is late this year, so there will be a month of dances and affairs yet to come. This means more flowers for bouquets and decorations. Also more Ribbons.

How is Your Ribbon Stock?

Have you got the ribbons which are in demand? The new colors, the new weaves? The ribbons woven by the Pine Tree Silk Mills Co. are beautiful, lustrous. They will add to the beauty and effectiveness of your flowers and your decorations. And yet, sold to you direct from the mill, you

SAVE ALL BETWEEN PROFITS

The Pine Tree Silk Mills Company Philadelphia

Office and Salesrooms: 806-808-810 ARCH STREET Address Dept. E, 52-54 N. EIGHTH STREET Write now for samples which cost you nothing. The new weaves and colors for spring are on the looms. They will interest you.

ASTER

Queen of the Market. This is the earliest of all, fully three weeks earlier than other Asters. Trade pkt 1/4 oz oz \$0 10 \$0 15 \$0 50

Table listing various Aster varieties such as Selected white, Selected crimson, Selected rose, etc., with prices.

Table listing various Aster varieties such as Victoria Dwarf, Dwarf Queen, Dwarf Queen, etc., with prices.

Table listing various Aster varieties such as S. & W. Co.'s Selected Strain, Pure white, Lavender, etc., with prices.

BEGONIA

Table listing various Begonia varieties such as Semperflorens Vernon, Compact (Dwarf Vernon), etc., with prices.

COSMOS

Table listing various Cosmos varieties such as Mammoth, white, Mammoth, pink, etc., with prices.

DRACAENA

Trade pkt 1/4 oz. oz. Indivisa, broad-leaved, in pots \$0 15 \$0 25 \$0 75

Table listing various Dracaena varieties such as Robusta grandiflora, Victoria, etc., with prices.

FOXGLOVE (Digitalis)

Table listing various Foxglove varieties such as Gloxiniiflora, purple, Gloxiniiflora, white, etc., with prices.

LOBELIA (erecta, for pots)

Table listing various Lobelia varieties such as Erecta Crystal Palace, Erecta Emperor William, etc., with prices.

MIGNONETTE

Table listing various Mignonette varieties such as Golden Queen, Golden Queen, etc., with prices.

PETUNIA

Table listing various Petunia varieties such as S. & W. Co. Strain, Fringed, Large-flowering, Double, etc., with prices.

PYRETHRUM

Table listing various Pyrethrum varieties such as Parthenifolium aureum, Golden Moss, etc., with prices.

SALVIA

Table listing various Salvia varieties such as Anniversary, Splendens (Scarlet Sage), etc., with prices.

SMILAX (Clean seed)

Table listing Smilax varieties with prices.

TORENIA

Table listing various Torenia varieties such as Blue (Fournieri), Alba, white wings, etc., with prices.

VERBENA

Table listing various Verbena varieties such as Mammoth varieties, Pink shades, Purple shades, etc., with prices.

STUMPP & WALTER CO., 50 Barclay St., New York.

Rhubarb For Winter Forcing

Extra Large Clumps, per doz. \$1.50, per 100 \$10.00.

Headquarters for LILY OF THE VALLEY PIPS and MUSHROOM SPAWN.

Write for our Florists' Wholesale List—just issued.

JOHNSON SEED COMPANY, 217 Market Street, Philadelphia, Pa.

Conway's White Branching Aster

The flower is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season till late. Considered by the leading florists to be the best and most profitable flower ever grown.

Trade Packet \$1.00, Half-Ounce \$3.00, Ounce \$5.00

Cash with order please

F. A. CONWAY & CO. INDIANAPOLIS, IND.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

XXX SEEDS

- VERBENA, Improved Mammoth, finest grown, mixed, 1000 seeds, 25 cts.
- PHLOX Drum pumila, very dwarf, grand for pots, fine colors. Pkt. 25 cts.
- HARDY PHLOX, finest large-flowering dwarf vars. mixed. Pkt. 25 cts.
- ALYSSUM compactum, most dwarf and compact var. grown, perfect balls when grown in pots. Pkt. 25 cts.
- PETUNIA, Star Improved, from finest marked flowers, very fine. Pkt. 25 cts.
- PETUNIA, Giant Single Fringed, large and fine. Pkt. 25 cts.
- CHINESE PRIMROSE, finest grown, single and double mixed. 500 seeds \$1.00; 1/2 pkt. 50 cts.
- CINERARIA, Large-Flowering Dwarf, mixed, 1000 seeds 50 cts.
- GIANT PANSY, finest grown, critically selected. 5000 seeds \$1.00; 1/2 pkt. 50 cts.
- CYCLAMEN Giganteum, 200 seeds \$1.00.
- MARGUERITE DAISY, Princess Henry, mammoth flowering, hardy, new, grand for cutting. Pkt. 25 cts.
- ANTIRRHINUM, New Dwarf, fancy colors, exceedingly fine. Pkt. 25 cts.
- SALVIA, Bonfire, Finest grown, brilliant scarlet and compact, 1000 seeds 40c.

IRISH SHAMROCKS

The Real Thing. Green

It is best to order early and grow on to make strong plants for St. Patrick's Day. Our stock is very fine, \$4.00 per 100, or by mail postpaid, 60c. per dozen.

Cash. Extra count of seeds in all packets.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES



ESTABLISHED 1802

Send for our wholesale list of seeds for Florists and Market Gardeners, ready in a few days.

GLADIOLUS PRIMULINUS

\$8.00 per doz.; \$60.00 per 100

PRIMULINUS HYBRIDS

\$3.00 per doz.; \$20.00 per 100

J. M. THORBURN & CO.

33 Barclay St., through to 38 Park Place, New York.

Everything of the highest grade

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, \$2 50

A. T. DeLaMare Ptg. & Pub. Co., Ltd 2 to 8 Duane Street, New York

"Quality is remembered long after price is forgotten." What Quality Means.

Quality means the best and finest types procurable in their respective classes. We go to specialists for our flower seeds. Our customers, the florist, the private gardeners demand the highest grade. We have no cheap catalogue trade. "Quality" may mean a little higher in price. "Quality" in fact, means "Quality" and we know that when you buy from us you get it, and our customers know it, too. Catalogues now in press; 40 pages. Write for one: it's free. We sell bulbs too.

ARTHUR T. BODDINGTON, SEEDSMEN, 342 West 14th St., NEW YORK

100 LBS. TRUE ENGLISH IVY SEED

25c. package; \$5.00 lb; 1-4 lb. at 1 lb. rates. PLANTS, one year old, \$2.00 per 100. Express prepaid by me.

A. MITTING 17 to 23 KENNAN ST., SANTA CRUZ, CAL.

NEW CROP FLOWER SEEDS

- Verbena Mammoth, In colors or mixed, 1/4 oz 30c, oz. \$1.00.
- Salvia Splendens, 1/4 oz 35c., oz. \$1 25.
- Salvia Bonfire, 1/4 oz. 75c., oz. \$2.50.
- Lily Valley, Early Forcing, to close-out, per 1000, \$11.00.
- Fresh Tobacco Stems, Bale of 300 lbs. \$1 50.

W. C BECKERT, Pittsburg, N. S., Pa.



StockSeed

Giant Branching 85% to 90% Double Flowers Pure White 1/8 oz 75c. Oz.....\$5.00

Other Colors, 1/8 oz., 60c.; oz., 4.00 H. E. FISKE SEED CO. 12 and 13 Faneuil Hall Sq., BOSTON, MASS.

Our ad. Jan'y 25th will interest BUYERS LOOK IT UP H. H. BERGER & CO., 70 Warren St., New York



- AGERATUM, Blue Perfection \$0.15 \$0.50
- ALYSSUM, Little Gem10 .35
- CANDYTUFT, Empress..... .10 .20
- BELLIS, Snowball..... .25
- Longfellow..... .25
- SALVIA, Splendens..... .25 1.35
- Bonfire..... .25 2.50
- VERBENA, Mammoth Mixed .25 1.50

Bridgeman's Seed Warehouse RICHARDS BROS., Props. 37 EAST 19th STREET, Near Broadway, Tel. 4235 Gramercy NEW YORK CITY.

PANSIES

THE JENNINGS STRAIN 50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500. PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce Cash with order.

E. B. JENNINGS, Lock Box 254, SOUTHPORT Conn. Grower of the Finest Pansies

W. & D.'s SPECIALTIES FOR 1908

Tomato, "The Don" best for forcing. Cauliflower, First and Best. Onion, Ailsa Craig. Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spawn, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready. Free on application. Weeber & Don, SEED MERCHANTS AND GROWERS 114 Chambers St., NEW YORK

S. M. ISBELL & CO.

JACKSON, MICH. CONTRACT SEED GROWERS Bean, Cucumber, Tomato, Pea, Muskmelon Squash, Watermelon, Radish, Sweet Corn Correspondence Solicited Write for Prices on Surplus Stocks for Immediate Shipment

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal. Address all communications to our permanent address, 48 to 56 Jackson Street. ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES Warehouses, Santa Clara, Farnes and Farm Headquarters, Carnadero, near Gilroy

BURPEE'S SEEDS

PHILADELPHIA Blue List of Wholesale Prices mailed only to those who plant for profit.

MANETTI STOCKS

Pat. Roses, P. G. Cousins & Co., California Priset Cuttings THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendell, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

PORTSMOUTH, VA. On January 20 J. W. S. Bull & Company, druggists and seedsmen, at 518 Middle street, made an assignment for the benefit of their creditors. Charles M. Meginsky, apothecary in the Middle street store, and T. J. Barlow were named as trustees.

NEW YORK, M. H. Duryea of Henry Nungesser & Company, vice president of the American Seed Trade Association, returned Thursday of last week from Chicago, whether he went to attend the meeting of the executive committee of that organization. En route Mr. Duryea stopped off at Toledo, O., to get a line on the clover seed conditions. He says that this seed is very high in price, especially the finer qualities.

Andrew De Voe, seed merchant, died on January 26 in his home, 1919 Bryant avenue, Bronx. He was a son of the late Stuart De Voe, who founded the business by starting a seed farm in West Farms in 1838.

WANTS HOME DAHLIA PRODUCTION EXECUTIVE. Secretary Maurice Fuld of the New England Dahlia Society, in the Dahlia News for January, 1908, makes the appeal that "true Americans always patronize American firms when such is possible." He adds: "It is nothing unusual to-day to see 5000 or more varieties of dahlias catalogued by a single firm, and the varieties offered here are such as have proven worthy in America. It would be well to consider that many European novelties, heralded with much praise and glory from abroad, have resulted in dismal failures when grown here, as they were unsuitable for our climate."

AMERICAN SEED TRADE ASSOCIATION.—As mentioned in last week's issue, the executive committee met at the Auditorium Annex, Chicago, January 21. Detroit has been selected as the meeting place for the next convention, on June 23-25. The headquarters have not yet been selected. The following resolution was adopted:

"The executive committee of the American Seed Trade Association recommends that its members still further emphasize and publish its disclaimer by having it printed on all stationery, including letterheads, billheads, quotation sheets, acceptances, labels and packages, and to disseminate same to all merchant customers possible, and to supply merchants with disclaimer cards to be hung in a conspicuous place in the salesroom."

Cards will be furnished by the secretary to members free on request and to others at 10c. per copy, postpaid.

C. E. KENDALL, Secretary.

IMPORTS OF SEEDS, ETC., January 25 and 26. Peter Henderson & Co., 120 bushels grass seed; Davies, Turner & Company, two packages seed; Peter Henderson & Co., two bags seed; Stimpff & Walter Company, one case flower seed, J. M. Thorburn & Co., 10 bags alfalfa seed, Vaughan's Seed Store, three bags seed; E. B. Vandegriff & Co., 60 packages seed, etc.; The Albert Dickinson Co., 180 bushels clover seed; Peter Henderson & Co., 101 packages seed; Thus, Pollock & Co., three packages seed; Vaughan's Seed Store, two packages seed; E. B. Vandegriff & Co., 101 packages seed, etc.; G. W. Sheldon & Co., 107 packages plants, etc.; E. B. Vandegriff & Co., three cases plants.

VIOLET CULTURE

Price, \$1.50 Postpaid A. T. DeLaMare Ptg. & Pub. Co. Ltd., New York

Seed Trade Notes.

The long wished-for snowfall has at last materialized and I am sure that all of us feel much the better for it, as certainly there can be no question but that reasonable weather is a most wonderful help, "in the long run," to every branch of trade, and especially to the horticultural business in all its multitudinous ramifications. It has been the unseasonable weather conditions of the past year or more that have so seriously and I may say, detrimentally financially, disturbed the seed business; but let us hope that from now on we are to have normal conditions again.

I am very much pleased to learn from many of our very large seed firms that trade orders of large size, and in more than usual numbers for this early season, are coming in in daily increasing volume from every section of the country. My information in this regard does not come from any particular section, but from all parts of the United States; I have therefore, I feel, justified the forecast I made you last week and previously, "that a very large, perhaps the best business in a wholesale way done in many seasons, will be accomplished before the end of February." Then March and April will take care of themselves; they always have, and will in 1908. As regards the retail mail trade it as yet has not been as good as very early indications seemed to forecast; but I think that January will, nevertheless, show a volume of business somewhat above the average in this direction. One factor against an extremely large mail seed trade (retail) in January this year has been the unfortunate tardiness in issue and distribution of one or two seed catalogues of our largest and most important mail-order houses; for it stands to reason that when all the mail-order catalogues are out and in customers' hands together, so to speak, the combined influence of them all exerts an advertising power that results in bringing to each and every firm a very much increased volume of business.

Taking the horticultural situation as a whole, I do not remember a year where the indications in January were more propitious for a very satisfactory seed-selling season than they now are.

It would indeed seem as if, in these days of advancement in all lines of our business, we should all be careful regarding the use of electrotypes and zinc etches in our catalogues, and be absolutely sure that such, when used, truthfully and accurately represent the subjects as per the titles affixed to them. It is by no means uncommon to find the same illustration representing as many different flowers or vegetables, as the case may be, as it happens to be used in various catalogues. Such injurious blunders come about in many ways. Sometimes the maker and dealer in the illustrations names them incorrectly when they are first offered for sale—and the original misname is perpetuated.

Bad as such illustrating is, "worse remains behind"; that is, known instances where one catalogue man uses an illustration of a novelty to illustrate some variety of his own—such a practice cannot be too strongly condemned; it lowers materially the conservative and moral tone of the seed business, and I for one would like to see all such very reprehensible actions once and forever stopped.

Appropos of catalogue illustrations I could not but be most favorably impressed and perfectly delighted with the splendid appearance made by two or three seed catalogues of prominent firms that have entirely discarded the use of the wooden and zinc etch. When I received these catalogues, the past week, and most carefully examined them, I realized more acutely than ever before the absolute conviction of truthness of type that a photographic reproduction of plant, flower, or vegetable, must carry to a customer. Good explanatory text is, of course, most essential to the sale of seeds or plants, either in one's catalogue or newspaper advertisements, but when you combine with a good readable description of what you may have to offer, a fine half-tone illustration, made from a "true to life" photograph, you produce a combination that, as a trade bringer, is irresistible. Such a catalogue work costs considerably more than the older method, but the splendid results in the way of increased orders fully warrant the additional expense. In these days of progress we cannot hope to keep our business at the highest

notch of success without good printing; and this means, among other things, a fine catalogue. I cannot take any more space this week, but if I have been able to start you seriously thinking about the make-up and appearance (that shall bring you an increasing number of orders) of your future catalogues, I may have done you some little good. I trust I have. V.

European Notes.

The inadvisability of binding one's self to one particular transportation company has never been more thoroughly exemplified than during the present disastrous and extraordinary season. The cutthroat rates that are quoted in keen competition are all based upon the complete accord of everything that can possibly happen. Dame Nature is left out of the question. But the old lady has an unhappy knack of asserting her authority and then "The best laid scheme, etc."

The present week has afforded a painfully practical illustration of the difficulty outlined above. One of the most important transportation companies uses only one line of steamers although there are other good lines from and to the same port. A breakdown occurs and the innocent shipper dispatches his goods to the docks in obedience to the transportation company's instructions only to find that they are not shipped but must be there for two or three weeks until another steamer of the usual line is ready. The result is that the helpless shipper, who has been worked off his head to get the goods ready is promptly saddled with all the blame for the delay. Fortunately all our regular orders are now practically completed and we may reasonably hope for a brief respite to enable us to pull ourselves together.

Taken as a whole the present season has been the most anxious, difficult and discouraging we have ever known. The frost and snow have left us and we are enjoying (2) a Mid-summer temperature according to the 1907 standard. Should the present conditions continue we shall soon be able to ascertain to what extent our plants for 1908 crops have suffered from the 24 degrees of frost we have experienced.

Mons. Philippe de Vilmorin was admitted a Fellow of the Linnean Society on January 16 and a very important paper on "Notes on Brassica Crosses" was read by Arthur W. Sutton, V. M. II., at the same meeting. Mons. Vilmorin is to be a guest at the annual dinner of the Societe Francaise d'Horticulture de Londres.

EUROPEAN SEEDS.

CANADIAN CROP REPORT.—The following notes on the crops in Canada mentioned are extracted from Bulletin 96 of Ontario Department of Agriculture:

Peas: This crop is said to have been the best for years, there being an almost complete absence of the weevil which has done so much injury to the crop for several seasons. The straw has also turned out well as to length and quality. Pea-growing in Ontario, according to correspondents, is likely to increase in acreage next year.

Corn: Notwithstanding the lateness of the Spring, early planted corn came through in generally fair condition. Some of the crop was put in rather late, however, owing to replanting, but only a small percentage was caught with frost in the Fall. A few complaints were made of soft corn, but in most instances the crop was regarded as being of good quality, the stalks being shorter than usual, but well cobbled. The yield per acre is not up to the average, but the acreage was larger than in the years immediately preceding. The fact that grasshoppers attacked the corn this year is regarded by some correspondents as something uncommon.

Beans: Beans were slightly touched by frost in July and September, and suffered a little from wet weather at harvesting. They were fairly potted, and on the whole were of good quality, considering the lateness of harvesting.

Clover Seed: Clover fields kept for seed were rather thin, owing to the very trying Winter, the late Spring, and Mid-summer drought. The heads were well filled, however, and some fair yields of

Gladiolus "America"

FOR FORCING

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MIXED NARCISSUS 50c. per hundred, \$4.00 per thousand.

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Write for our catalogue, and state whether you are a dealer, florist or market gardener.

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Mayflower and Lorillard, 50c. per 100.
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seed are spoken of by a few, although in most cases the return will be light. The midge was evident in several localities, but no serious injury from it was reported. Many clover fields were closely pastured by cattle, owing to the scarcity of hay and feed.

Lucerne: This crop is increasing in favor. Many farmers are experimenting with small patches of it, and the general opinion is favorable, as it stands the drought pretty well, and several cuttings are available during the season.

A bill has been introduced in the Kentucky Legislature seeking to make blue grass the State's "floral emblem." A writer in a Kentucky paper rhapsodizes thus over the matter:

By all means make blue grass the State's floral emblem. Nothing more appropriate can be suggested. It is characteristic of the soil and the people that live thereon, of their hospitality, friendship and love of the beautiful.

"Beautiful blue grass, nourishing the horses and cattle, its verdant hues furnish the setting of that picture of home in which the memory of mother's love, of childhood and love's first sweet dream mingle with each other like the flowers of the old fashioned garden."

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Parbank	1.20	Paul Marquand	1.50
Black Prince	2.00	Ptes. McKinley	2.50
Black Beauty	2.75	Ptes. Cleveland	2.00
Coronet	2.00	Robusta, bronze	
Comte de Bouchard	2.00	leaf	2.50
D. of Marlborough	3.00	Pres. Thabanne	2.00
Grandale, red leaf	2.00	Pres. Meyers, new	2.50
Pennsylvania	2.00	Express, new	4.00
Martha Washington	2.00	Muscifolia	1.50
Gladiator, new	4.00	Queen Charlotte	2.50
Brandywine, new	3.00	King Humbert	12.00
Premier, gold-eye	2.25	Dahlia, named	3.50
Finest mixed	\$1.00 per 100;		\$10.00 per 1000.

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Varieties specially suited for cut flower purposes are marked with an asterisk *

CACTUS DAHLIAS

Table listing various Cactus Dahlias with descriptions and prices. Includes varieties like *Albion, *Aegle, *Amos Ferry, *Attila, *Alt Heideberg, *Arachne, *Bessie Mitchell, *Carnation, *Comet, *Carmen Sylvia, *Charm, *Clara G. Stredwick, *Captain, *Cornucopia, *Dainty, *Else, *Earl of Pembroke, *Exquisite, *Firebrand, *F. A. Wellesley, *Floradora, *Florence M. Stredwick, *Fruite, *Freigiligkeit, *Fran Hermine Marx, *Flora, *Gabriel, *Gen. French, *Galliard, *Gelleri, *Gen. Buller, *Gottelinde, *Graf Waldersee, *Hans Sachs, *Harbor Light, *H. W. Sillem, *Hohenzollern, *Horn of Plenty, *Imperator, *Island Queen, *J. Bryant, *J. W. Wilkinson, *J. H. Jackson, *Kingfisher, *Kriemhilde, *Landrath Dr. Schill, *Lauretta, *Leana, *Lady Edmund Talbot, *Lode-stone, *Minnie West, *Magnificent, *Mrs. H. E. Brousson, *Mabel Tullach, *Mary Service.

Table listing various Cactus Dahlias (continued) with descriptions and prices. Includes varieties like *Mrs. H. J. Jones, *Mrs. Carter Page, *Mr. Moore, *Mrs. Jewett, *Oda, *Pence, *Rosalie, *Reliable, *Ringdove, *Ruby, *Ruckert, *Rakete, *Standard Bearer, *Stern, *Shooting Star, *Thuringia, *Uberfluss.

Table listing various Cactus Dahlias (continued) with descriptions and prices. Includes varieties like *Bon Ton, *Chameleon, *Duchess of Cambridge, *Fanny Purchase, *Grand Duke Alexis, *John Thorpe, *Keystone, *Miss Browning, *Miss May Loomis, *Mrs. Stancombe, *Olympia, *Queen Victoria, *Queen of Yellows, *Red Hussar, *Striped Banner, *Thos. Westcott.



NEW PAEONY-FLOWERED DAHLIAS

This new type of Dahlias originated in Holland, and promises to become very popular. The artistic flowers are very large, from 6 to 8 inches across, and are best compared to the semi-double Paeonies in general form. They all flower very freely, and are borne on long, strong stems, making excellent material for cutting, as well as for garden decoration. *Germania, Brilliant straw-colored, a very fluffy, artistic flower, standing well above the foliage, producing a very gay effect. 25 cts. each; \$2.50 per doz. *Glory of Barn, Very large, loosely arranged flower of soft hortensta-rose color. 25 cts. each; \$3.50 per doz. *Queen Emma, A magnificent sort that appears almost artificial; it is of a charming shade of mallow or Hollyhock pink, the inner petals banded with gold 25 cts. each; \$2.50 per doz. *Queen Wilhelmina, Immense, fluffy flower of pure white with yellow centre. 25 cts. each; \$3.50 per doz.

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The set of 12 varieties for \$100. *Albion Imperial, Creamy white, tipped aniline red. *Darkness, Deep velvety maroon. *Elegant, Soft pink tipped deep pink; reflex light pink. *Gold Haneben, Pure primrose yellow. *Kleine Domitza, Orange buff; always in flower. *Little Bessie, Creamy white, quilled petals. *Little Herman, Deep crimson, shaded garnet, tipped white. *Little Nafad, White, tipped amaranth red. *Little Prince, Deep currant red, tipped white. *Lon Kramer, Amber, heavily tipped crimson. *Red Piper, Beautiful deep red of fine form. *Snowdahl, Unquestionably the finest white. 10 cts. each; \$1.00 per dozen; \$8.00 per 100. The set of 12 varieties for \$100.

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These magnificent single varieties all originated from the celebrated Twentieth Century offered in this set. They are all of free branching habit, flowering early, profusely and continuously throughout the season, flowers from 4 to 6 inches across on stems 2 feet long, and when cut keep in good condition for many days. *Crimson Century, Rich, deep, velvety crimson, shaded maroon, with rose halo around a yellow disc. 15 cts. each; \$1.25 per doz.; \$10.00 per 100. *Maroon Century, Rich velvety maroon with yellow disc. 25 cts. each; \$2.50 per doz.; \$20.00 per 100. *Pink Century, Delicate soft pink, flower very large. 20 cts. each; \$2.00 per doz.; \$15.00 per 100. *Scarlet Century, Brilliant scarlet with golden disc. 25 cts. each; \$2.50 per doz.; \$20.00 per 100. *Lavender Century, Delicate lilac with light shadings, very pretty. 15 cts. each; \$1.50 per doz.; \$10.00 per 100. *Twentieth Century, Early in the season, intense rosy crimson, shading gradually to the soft white on the edges and a light halo around the disc. As the season advances the flowers become center changing to almost pure white suffused with a soft pink, not variegated but blended in the most beautiful manner. 15 cts. each; \$1.50 per doz.; \$10.00 per 100. One each of the 6 varieties for \$10.

STANDARD SINGLE DAHLIAS

*Alba Superba, Fine large white with a dash of canary yellow at base of petals. 15 cts. each; \$1.50 per doz.; \$10.00 per 100. *Advancement, Fine deep red suffused with rose halo and yellow centre. *Ami Barriol, Rich pure garnet with fine dark foliage. *Blackbird, Black velvety maroon with a bright red spot at the base of each petal. *Fashion, Crimson maroon with other shadings. *Guillardia, Golden yellow with a broad red band at the golden disc. 15 cts. each; \$1.50 per doz.; \$10.00 per 100. *Gracie, White, delicately suffused with blue and a primrose halo at the disc. *Mrs. Bowman, Softening a large showy flower. *Polly Eccles, Pure apricot with yellow shadings, a halo of poppy red surrounding the Indian yellow disc. *St. George, A pretty primrose yellow of large size. 15 cts. each; \$1.50 per doz.; \$10.00 per 100. *Striking, Deep garnet, each petal with a white spot on the tip. *Wildfire, Brilliant purple scarlet, of large size. Price: Except where noted, 15 cts. each; \$1.50 per doz.; \$10.00 per 100. One each of the 12 varieties for \$125. We will furnish one each of the 111 varieties listed, an interesting collection for \$15.00.

DECORATIVE DAHLIAS

Table listing various Decorative Dahlias with descriptions and prices. Includes varieties like *Admiral Dewey, *Black Beauty, *Bronze Beauty, *Catherine Duer, *Clifford W. Branton, *Fire-rain, *Giganten, *Henry Patrick, *Lyndhurst, *Lynclot, *Marchioness of Butte, *Mrs. Roosevelt, *Oban, *Souvenir de Gustave Dozon, *Sylvia, *Wm. Agnew, *Zulu.

SHOW AND FANCY DAHLIAS

Table listing various Show and Fancy Dahlias with descriptions and prices. Includes varieties like *A. D. Livoni, *Arabella.

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Fine, clean stock, well rooted. Write for thousand rates, as our room is limited and we must sell.

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Moss, 5 barrel bale, \$1.25; 2 bales, \$2.25; 6 bales, \$5.00, 10 bales, \$9.50. Poles, 2 in. butt, 8 ft. long, \$16.00 per 1000; 2 1/2 in. butt, 10 to 12 feet long, \$22.50 1000; 1 1/2 in. butt, 6 to 7 ft. long, \$10.00.
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Strong one-year plants. 18 to 24 inches, branched, \$2.00 per 100; \$15.00 per 1000. 12 to 20 inches, strong, \$1.50 per 100; \$10.00 per 1000. Two-year all sold.
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 J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

COLUMBUS, O.—Nurserymen of Ohio effected a State organization at Columbus last week, with the following officers: President, J. W. McNary, Dayton; vice-president, Robert George, Painesville; secretary, W. B. Cole, Painesville; treasurer, W. H. Scarff, New Carlisle; executive committee: Robert George, Painesville; Fred D. Green, Perry; G. S. Pickett, Clyde; John Siebenhaler, Dayton, and E. G. Cox, Proctorville.

ROCHESTER, N. Y.—The National Association of Retail Nurserymen held its annual banquet on January 21 at Powers Hotel. Edward B. Lynn was the toastmaster. Toasts were responded to as follows: William C. Barry, "The Flower City"; L. B. Elliot, "Grafting"; John J. McInerney, "The Ladies."

of the golden, a rounded, close, half globe shape, but without any golden color at all, and still others will have reverted to the common type—tall, slim, with the tufts of foliage arranged in a flattened, vertical way along the stems. These varieties are nearly all well worth having, and it is really worth while to sow seeds of the golden variety, *T. orientalis aurea*, for the sake of getting them. The characters show when the seedlings are a foot or so in height, and then when the next transplanting is given them they can be sorted out, the different kinds by themselves. Seeds should be sown in early Spring, indoors or even in the open ground if in a situation where the soil is of a friable nature, such as will not cake in heavy rains.

Hardiness of Paulownia.

Many persons consider the paulownia as not being hardy, because of misconception of its nature. To be sure, it is not hardy in the colder parts of the West, but even where not hardy it is but killed to the ground in Winter, sprouting afresh from the base, just as the fig does here in Philadelphia. The paulownia even here gets killed back the first year or two of its seedling life, and it is this that causes some to think it not hardy. It is its succulent, unripened wood at that period that makes it liable to be caught by frost. After the second year, there being then hardened wood, there is no more injury, nor are the youngest shoots ever hurt afterward.

It is because of this freezing back when in its infancy that so many crooked trees of it are seen. This can be remedied by cutting down to the ground any injured seedling so that when growth starts it will be represented by one straight shoot. Crooked, low-branching

leaved beech is rather hardy, and by having but few branches, naturally become rounder from the prunings given it.

Of the two species of beech, the American and the English, we are indebted to the English for the several varieties we have—the blood leaved, the tricolor, the weeping forms and the cut leaved ones. All of these sorts are increased by grafting them on the common stocks. They are usually worked on the English, the one they spring from, though they will take fairly well on the American.

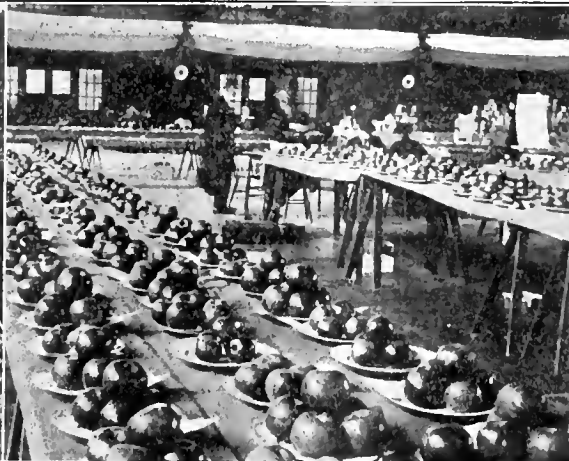
Besides grafting, inarching may be practiced, a number of the common ones being set around the varieties, or vice versa. These varieties are so popular, especially the blood leaved, that such a thing as an overstock of it is almost unknown in nurseries.

Hardiness of the Pecan Nut.

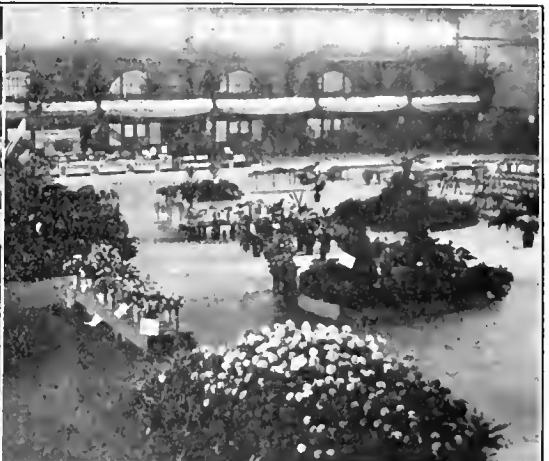
Nuts of the pecan can hardly be looked for from trees grown north of New York City, the tree not being over hardy, but to have the pecan in one's collection gives pleasure to many. Trees have borne well even in Philadelphia, while in Washington, D. C., there is a nice tree in the Agricultural Grounds, full of nuts when the writer saw it a few years ago. The pecan is wild up to Virginia, and could nuts from it be had from those trees the seedlings would prove hardier than those from the Gulf States. The nuts of pecans do better sown in Spring than in the Fall. Secure them in Autumn as soon as they can be had, and keep them in damp sand all Winter, sowing them early in Spring; and a good crop may be looked for. But don't look for the



Corn Display of W. Oscar Collier, Easton, Md.



The Howard County Table of Fruit.



Part of Hall, Fifth Armyory.

Exhibition of Maryland Horticultural Society.

Photos by George O. Brown, Baltimore.

The Sweet and the Sour Gums.

Of the two gums, the sweet and the sour, *Liquidambar styraciflua* and *Nyssa multiflora* respectively, the general public usually asks for the sour gum when desiring a tree to give ornamental colored foliage in Autumn. This kind of foliage the sour gum certainly gives; it becomes of a crimson color early in Autumn, remains so a day or two, then falls to the ground. It is beautiful, but far too transitory. It barely gives one time to see it in its scarlet garb before all has disappeared.

The sweet gum is far superior. Its foliage does not take on the scarlet of the sour gum; it is more of the color of the sugar maple—a mingling of orange and scarlet and green. And like the sugar maple the change is gradual, giving one the pleasure of seeing it from day to day, enjoying its varying colors as the time passes.

Many nurserymen find the opinion spreading that the sour gum has been very much over-rated as regards its Autumn color. Its beauty is more in the beautiful green of its Summer foliage and its pyramidal habit of growth when it stands alone on a lawn.

Both of these gums require hard pruning when transplanted, especially the sour gum. It needs to be cut back to the main shoot, or near it, as it makes but few fibrous roots.

Varieties of Chinese Arbor Vitae.

Those who raise Chinese Arbor vitae, *Thuja orientalis*, from imported seeds, or from those obtained from Southern seedsmen, often find many varieties among the seedlings. This is caused by the seeds being saved from the Golden Chinese variety as well as from the type. The seedlings from the Golden Arbor vitae vary greatly. A few may be good representatives of the common form of the golden one; others will have the character of growth

specimens are all very well for shrubs or low-growing trees. The paulownia is a large tree, and it looks best when grown as such, its branches springing out at 5 to 6 feet from the ground.

The paulownia is sometimes used in beds where something tropical looking is required. It is not allowed to grow tall, but every Spring it is cut down to the ground, which causes a shoot to spring up bearing leaves often 18 to 24 inches across. For such positions it is very useful.

This is the season to prepare for the sowing of the seeds in early Spring. The seeds are small, and exceedingly light. There are thousands of them in an ounce. It takes a good many years from the seedling stage to that of the flowering, and where it is desired to enjoy the fragrant blossoms of this tree it will be better to get a fair sized specimen to start with instead of waiting for the seedlings. It can also be increased from root cuttings.

Cut-Leaved Beeches.

The failure to have success in the transplanting of cut-leaved beeches, especially those of the fern-leaved variety, is largely due to the failure to prune them severely at the time of removal. All beeches are in the class of those difficult to transplant, but this difficulty is not experienced when the trees are pruned hard. For the reason that the fern-leaved variety makes a dense, twiggy growth and but few roots, it requires very close pruning, and it would be to the interest of every seller to urge the customer to prune it or to allow the seller to do so.

With this variety the branches should be cut down to almost the center one, the harder the better and the greater the chance of the tree living; and in all the Northern States where hard freezing occurs, Spring will be found a much better time to plant than Fall.

What has been said of the fern-leaved beech applies as well to all beeches. One and all want heavy pruning. Besides the aid afforded to them in this way the blood-

seedlings soon after sowing. It will be late Spring before they are above ground, and by Fall they will be but two to four inches high, but their roots will be perhaps six inches in length. Seedlings require transplanting often, otherwise when they reach a transplanting height, say 4 to 5 feet, it is hard to succeed with them. There is but a single tap root. It is better to transplant them when two years old, cutting off the end of the tap root at the time. Writers claim that if this and all tap rooting trees are grown in sandy or stony ground when young they become somewhat fibrous rooted, and this seems reasonable to expect.

Some of the Southern nurserymen have made efforts to secure a pecan of high grade for its nuts, large and thin shelled. There is a great field for improvement as it is, for some of the nuts as bought from commission houses have much thinner shells than others; so thin, in fact, that they can be broken by pressure between the thumb and finger.

The wood of the pecan is excellent for fuel, but it is not the equal of the pig nut and some of the other hickories for mechanical uses, and then hickories take so many years to reach a good size that foresters so far have not provided for the planting of many kinds, although some are being set out.

JOSEPH MEEHAN.

Floral Park, N. Y.

We are much gratified to learn that Mr. I. S. Hendrickson, manager of the wholesale department of John Lewis Childs, here located, has almost entirely recovered from an operation for appendicitis, through which he recently passed, and that it is only a question of a few days when the wound will be healed and a short time thereafter when that gentleman will be in a position to resume his duties.

ROSES

My Maryland.

Some time in December I had the pleasure to visit my old friend, John Cook, near Baltimore, whose success in producing new roses is so well known to the trade. I had seen his new rose, My Maryland, at the Horticultural Society's meeting in Baltimore, and was glad to have an opportunity to see it growing.

At the time of my visit he had not fixed upon a name for it, but was considering whether to let some other grower have the entire stock and the privilege of naming the rose. But I am glad to know that he holds it and has given it so appropriate a name, for Maryland, so many years his adopted home, deserves this recognition.

The rose is all that Mr. Cook claims for it. Its peculiar shade of pink, flushed with salmon, and its long pointed buds make it a very attractive flower. The very healthy growth of the plants and the invariable habit of every shoot making a bud will render it a profitable rose to grow. The color is one that holds its own to the last, never changing its tint as some of the dark red roses do.

It was just before Christmas when I was at Mr. Cook's place, and among other things that pleased me was a nice lot of pyramidal hollies in tubs, covered with berries. These English hollies should make very popular Christmas plants for church decoration.

It had been many years since I had been in this attractive place, for I was in the Baltimore trade myself when Mr. Cook, after years in a private place in the same neighborhood, started his establishment, which has now developed into one of the leading places about Baltimore and has become noted as the birthplace of so many fine roses. I was glad to see that in his old age Mr. Cook still maintains his love for the rose and is still growing seedlings. He was one of the first to build hillside greenhouses and he has continued to build and use them in terraces, one above the other, with roofs in terraces, too, converting the steep hillside into a great greenhouse. My first remembrance of the place was when it was the home of the Marie Louise violets when first brought to this country, and Mr. Cook's first reputation was in the distribution of this well-known violet, the first to supplant the pale Neopolitan, which the ultra fashionables still call Parma violets.

But the city is growing out toward Mr. Cook, and like so many of the older members of the trade who have stuck to an original purchase, his land is increasing in value and is now worth four times what he paid for it; and it will not be many years before, instead of being as now worth \$1,000 per acre, it will be valued by the front foot, and some day the home of the roses will be building lots. W. F. MASSEY, Salisbury, Md.

Grafted Roses

\$12.00 per 100; \$100 per 1000.

If you can furnish the scions, we can quote you lower prices in any quantity you wish.

Edward J. Taylor, Greens Farms, Conn.

Rooted Kaiserin Rose Cuttings

For Sale at ROSE LAWN Greenhouses, \$12.00 per 1000. Cash with order.

J. HENRY BARTRAM, LANSDOWNE, PA.

CHRYSANTHEMUMS

Miss Clay Frick (White Duckham), strong stock plants, \$1.50 per dozen; Rooted Cuttings \$4.00 per 100.

GERANIUMS, from 2 1/2 inch pots, S. A. Nutt and Bruant, \$2.00 per 100. Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

GRAFTED ROSES

NOVELTIES

Mrs. Jardine, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.

Rhea Reid, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.

Maryland, 50 cts. each, \$5.00 per doz., \$35.00 per 100.

Queen Beatrice, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.

Mrs. Potter Palmer, \$3.00 per doz., \$17.50 per 100, \$125.00 per 1,000.

STANDARD VARIETIES

Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile De France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesley, White Cochet.

RAMBLERS

Crimson, Dorothy Perkins, Lady Gay, Anny Muller, and the Philadelphia Rambler.

The price of the above grafted 2 1-4 inch pots: 20 cts. each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1,000.

Mme. Norbert Levavasseur (Baby Rambler); 2 1-2 inch pots, \$2.50 per doz., \$15.00 per 100.

AMERICAN BEAUTY

Own root, 2 1-2 inch pots, \$8.00 per 100, \$75.00 per 1,000. 3 inch pots, \$12.00 per 100, \$100.00 per 1,000. April, May and June delivery.

OWN ROOT ROSES

We offer the following list of roses on their own roots. Our method of handling this stock gives us as fine plants from 2 1-2 inch pots as are usually sold for 3-inch. This stock is from 2 1-2 inch pots, repotted from 2-inch.

Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chatenay, Aurora.

\$1.00 per dozen, \$6.00 per 100, \$50.00 per 1,000.

PLEASE NOTE

FOUR varieties may be used in making up one dozen. When more than four varieties are used the plants, or cuttings, will be charged at single rate. Four varieties may be used in making up one hundred. When more than four varieties are used, the plants, or cuttings, will be charged at the dozen rate. Five varieties may be used in making up 250, and 250 will be sold at the 1,000 rate. When more than five varieties are used in making up 250, the plants, or cuttings, will be charged at the 100 rate.

A. N. PIERSON, CROMWELL, CONN.

FELTHOUSEN'S GERANIUMS

None better, if as good. The following varieties in 2 1/2 in. pots, with or without soil, \$18.00 per 1000.

Beaute Poitevine, S. A. Nutt, La Favorita, John Doyle, Richard Breit, Ricard, Bruant, General Grant, M. Canovas, Jean Viaud, Pastoureaux, Landy and several others.

FUCHIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

HELIOTROPE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

SALVIA BONFIRE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$2.00 per 100.

COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.

ROSE GERANIUMS, 2 1/2 in. pots, \$20.00 per 1000.

AGERATUM, Stella Gurney, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100. Cash With order.

J. E. FELTHOUSEN. Schenectady, N. Y.

GERANIUMS

S. A. Nutt, Beaute Poitevine, Buchner, Ricard and others, 2 in. pots, \$2.00 per 100; \$20.00 per 1000.

	100	100
		R. C. 2-in. pots
FEVERFEW, double white	.....	\$2.00
VINCA VARIEGATED	.....	2.00
DOUBLE PETUNIAS	.....	\$3.00
FUCHIAS	.....	1.00, 2.00
HELIOTROPES	.....	1.00
SWEET ALYSSUM, Giant double	.....	1.00, 2.00
COLEUS, 15 varieties	.....	.60
AGERATUM, Pauline and Gurney	.....	.60

Cash with order.

ERNEST HARRIS, Dalanson, N. Y.

Geraniums

S. A. Nutt, 2 in. pots, now ready, \$20.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS

WHITE, Alice Byron, C. Tousey, J. Jones.

PINK, Maud Dean, Glory of the Pacific.

Vivian-Morel, Dr. Engenhard. YELLOW.

Col. Appleton, Robt. Halliday, Pennsylvania, Red, Black Hawk, 75c. per doz., \$5.00 per 100. Cash with order.

S. N. PENTECOST, 1790-1810 E. Cleveland, O. 101st Street.

GERANIUMS

Rooted Cuttings all booked for JANUARY.

PETER BROWN, LANCASTER, PA.

GERANIUMS

Transplants, pot grown. We send all the roots, but little soil Nutt.

Doyle, Dbl. Grant, Buchner, \$14.50 per 1000-Ricard, Poitevine, Perkins, Viand, Castelle, \$16.50 per 1000. F. Blanc \$2.00 per 100. O, all the scarlets a good lot, others limited some.

COLEUS Fancy, very brightest only, and G. Bedder, strong well rooted, 6c. per 100.

Plants grown same way as Geraniums, 80c. per 100.

GLADIOLI Fine, blooming size, 40c. per 100. Cash.

DANIEL K. HERR, - - Lancaster, Pa.

GERANIUMS

ROOTED CUTTINGS

All engaged until early in March, will have a big lot then; send for list and place your order if wanted at that date.

ALBERT M. HERR, Lancaster, Pa.

Chrysanthemum Rooted Cuttings

MONROVIA, MAUD DEAN and J. NONIN. Rooted Cuttings for March delivery, \$1.50 per 100.

ANTON C. ZVOLANEK, BOUND BROOK, N. J.

CHRYSANTHEMUMS

For Every Purpose. A card will bring our Illustrated 1908 Catalogue.

ELMER D. SMITH & CO., Adrian, Mich.

Successors to Nathan Smith & Son.

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS EXCHANGE.

When Writing Please Mention THE FLORISTS' EXCHANGE.

Sweet Pea Annual for 1908.

This valuable and elegantly got up organ of the National Sweet Pea Society is published and may rightly be pronounced a worthy successor to the preceding issues, and a marvelously cheap shilling's worth.

In addition to the audit of the 1907 show, a most valuable document prepared by the secretary, the reports of the various trials and outings, the work of the Floral Committee and other important official information, there appears a catalogue of all the sweet pea names brought down to date.

Although this has in the main been compiled by Miss Jessie Cuthbertson, the charming and amiable daughter of our worthy president, the list was submitted to all the authorities at home and abroad before publication. At the same time there may be a few errors, and readers will confer a favor by notifying the honorary secretary of the same. The list will be issued separately and will be very useful for those who have to find names for new varieties.

A number of articles more or less interesting, by sweet pea experts, and others, and some poetry which resembles the Countess type of sweet pea in that the character is not fixed, completes the book.

Some characteristic "Impressions" from Mr. Burpee, enriched with his latest portrait, are very suggestive reading. Some of the papers, notably that of the worthy chairman of the floral committee, are rather pessimistic in tone, and a little too severe on seed growers.

Those who, like myself, have been connected with the business for "close on half a century" were agreeably surprised at the excellence of the stocks in the Reading trials, bearing in mind that some of the exhibitors have only started seed growing during the past five years. A very important suggestion of the new president is that there should be a dollar membership for Americans and Canadians which would enable sweet pea enthusiasts on your side to keep in touch with us over here and entitle them to receive the society's publications. I most heartily support this proposal and hope that the general editor of 'The Florists' Exchange will kindly give us all the help he possibly can.

The portraits which adorn (?) the book are more or less counterfeit presentments of the originals, but to those accustomed, as the writer is, to a sunny smile on the face of W. A. B., the photo is hardly to our liking, and seems to have been taken at the moment when a cabled order for 4,000 packets of Primrose Spencer was received that could not be accepted. The entire work is copyrighted and can be obtained from the honorary secretary for 25 cents plus 8 cents postage.

S. B. DICKS, F. R. H. S.

Winsor Carnations

From 6000 plants we have plenty of exceptionally fine stock, and 50,000 ready for shipment now.

From 2 1/2 in. pots \$7.00 per 100; \$60.00 per 1000. Rooted Cuttings \$6.00 per 100, 50.00 per 1000.

A. N. PIERSON, CROMWELL, CONN.

CARNATION CUTTINGS

Table with 2 columns: Variety, Price per 100, Price per 1000. Includes White Enchantress, Robert Craig, Victory, Enchantress, Mrs. Lawson.

WHITE BROS., GASPOT, N. Y.

NEW (MY MARYLAND) ROSE

Best up-to-date commercial rose. Read what others have to say about it:

Among the many new roses of the year, there is none which has impressed me more favorably than 'My Maryland'... In color it may be described as a soft salmon pink, which brightens up to brilliant red as the buds open.

A. N. PIERSON, Cromwell, Conn.

In reply to your inquiry, what we think of your new rose 'My Maryland', we would say that after seeing other new roses we still believe that you have the best new rose of modern times.

GILDE BROTHERS, Washington, D. C.

Price 2 and 2 1/2 in. pots, \$25.00 per 100; \$200.00 per 1000; 3 in. pots, \$5.00 per dozen.

JOHN COOK, 318 N. Charles Street, BALTIMORE, MD.

THE WONDERS OF 1907 Imperial and Pink Imperial Carnations

The color of "Imperial" is a variegation of delicate pink similar to the shade in "Enchantress," with darker shades of pink.

The color of "Pink Imperial" is a most pleasing shade of pink, one that has long been wanted in the cut flower market.

The stems of both these varieties run from three to four feet in length, are extra strong and have no equal in the carnation of to-day.

The calyxes are good and strong and are practically non-bursters.

The flowers are well formed, run from three to four inches in diameter and are very fragrant. They are early, free and continuous bloomers, from October until late in July. Strong growers, every shoot a flower. Have shown them both at the November shows with thirty inches of stem. Vases of blooms shown at this Fall's show at Philadelphia, were pronounced the finest ever shown there. Both took first prizes at Washington.

"John E. Haines," the leading scarlet, has proved to be all that was claimed for it.

Color, most brilliant scarlet. Stem, from two to three feet in length, strong.

Calyx, good and strong non-bursters.

Flower, three to three and one-half inches in diameter.

Productiveness, unsurpassed, blooms 12 months of the year. No extra grass. Every shoot a flower.

Prices, for selected cuttings of each variety, \$6.00 per 100, \$50.00 per 1000. Place your orders early. Visitors always welcome

J. E. HAINES, Bethlehem, Pa.

CARNATIONS

Table with 3 columns: Variety, Price per 100, Price per 1000. Includes White Enchantress R. C., Enchantress, Lawson, Lord, Queen, The Belle.

Get your R. C. early and have blooms when others have none.

Frank H. Kimberly 631 Townsend Ave., WNE HAVEN, CONN.

10,000 ENCHANTRESS

Strong Rooted Cuttings \$2.50 per 100, 20.00 per 1000

PETERS & SONS, Hempstead, L. I., N. Y.

Commercial Violet Culture

Price, \$1.50 The Florists' Exchange, 2-8 Duane St. New York

THE BOSTON VIOLET

The people to-day are looking for new violets just as much as they are for new roses or carnations.

THE BOSTON VIOLET

for the past two years has been placed before the most sceptical buyers in America and they prefer it to any other.

THERE'S A REASON

The Boston Violet is the largest, the most fragrant, has a very pleasing color, and is a good keeper.

THE BOSTON VIOLET

is easily grown; it is the strongest grower and is in crop from September to May.

THE BOSTON VIOLET

has been awarded a first-class certificate of merit by the Massachusetts Horticultural Society and a Report of Superior Merit by the Gardeners and Florists Club of Boston.

Distribution will commence in April. Order now. Prices: \$2.00 per 12; \$12.00 per 100; \$100.00 per 1000.

WILLIAM SIM, - - Clifftondale, Mass.

CARNATIONS ROOTED CUTTINGS

Table with 2 columns: Variety, Price per 100. Includes Aristocrat, Winsor, Perfection, Enchantress, Lady Bountiful, Victory.

ROSE PINK ENCHANTRESS, \$2.75 per 100. SALVIA Zurich. The everblooming Salvia. Rooted Cuttings \$1.75 per 1'0; 2 in. \$3.00 per 100.

THE PERENNIAL GARDENS CO., - - TOLEDO, O.

ASPARAGUS, BOSTONS, AZALEAS

PLIMOSIS, 2 1/2 in., \$3.50 per 100; \$30.00 per 1000; 3 in. 4c.; 3 1/2 in. 10c.; 4 in. 12c.; 5 in. 20c.; 6 in. 30c. Coronis, 2 in. 2c.; 2 1/2 in. 3c.; Sprengerl, 2 1/2 in. 3c.; 3 1/2 in. 4c.; 4 in. 5c.

Long Distance Bell Phone, Lackland. Terms Cash. J. W. DUNFORD, Clayton, St. Louis Co., Mo.

NEPTUNE

The only yellow carnation to date that is worth growing. Equal to Enchantress in every respect, and never bursts. Come and see it growing. Rooted Cuttings, \$10.00 per 100.

Also White Enchantress, Winsor, \$6.00 per 100; Enchantress, Variegated Lawson, White Lawson, Red Lawson, \$2.50 per 100. Harlowarden, Mrs. Lawson, Fair Maid, Mrs. Patten, \$2.00 per 100. All the above unrooted at half price.

Paul Thomson, West Hartford, Conn.

ROOTED CUTTINGS

Prepaid per 100. Heliotrope, blue; Geranium Ivy, 75c. Alternanthera best red and yellow, 5c. Fuchsia, five finest kinds; Giant Marguerite Daisy, yellow; Double Alyssum, \$1.00. Ageratum, Gorbena, best colors, 80c. Salvia, Bonfire and Splendens, 5c. Bargain, to move at once; Primula Obconica grandiflora mixed and Baby Primrose, 2 in. Will make fine stock for Easter if handled at once. \$1.75 per 100; 3/4 or more, \$1.50 per 100. Cash. Shippensburg Floral Co., Shippensburg, Pa.

PANSY PLANTS

Table with 2 columns: Variety, Price per 100, Price per 1000. Includes Giant Flowering, Coleus, Canna Henderson, Geraniums, Vinca Variegated.

CASH JOS. H. CUNNINGHAM, DELAWARE, O

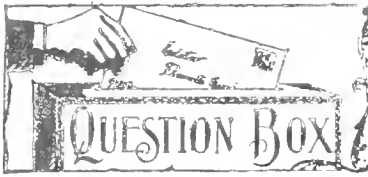
VINCAS

Vinca var., fine large plants out of 4 in., \$6.00 per 100; 2 1/2 in., \$2.00 per 100.

ALYSSUM, double, in bloom, fine 2 1/2 in., \$2.00 per 100.

PRIMULAS, Obconica, baby and Chinese, in bloom, 4 in., \$5.00 per 100; 2 1/2 in., \$2.00 per 100.

J. C. SCHMIDT, BRISTOL, PA.



(19) **To Clean Glass.**—I would like to know the best way to remove lime mixed with gasoline from glass.

New Jersey. A. C.
—Scrubbing the glass when it is perfectly dry with a good hand brush is the best method we know of.

(20) **Origin of Scale.**—Kindly inform me whether San José scale and the scale on palms originate from soil or water.

New York. J. H. H.
—The scale diseases are perpetuated by the depositing of eggs, and do not proceed from either soil or water.

(21) **Wants Scotch Thistle.**—Can you inform me where I could get some Scotch thistle? I would like to get some to make a bed next Spring.

Mass. S. O.
—We know of no grower who is specializing in thistles, and would advise our friend to get some seed, start it at once in heat and grow along until time to plant out. We believe Webber & Don, seedmen, Chambers street, New York, can supply the seed.

(22) **Woodlice on Mushrooms.**—Can you give me a remedy that would exterminate or prevent woodlice from eating and ruining my mushrooms?

Nebraska. T. U.
—A very effective way to get rid of woodlice is to trap them. Take potatoes, cut them in half, scoop out part of the inside, and lay the pieces along the edges of the beds. After dark take a light and you will find the woodlice feeding on the potatoes. Have a pail of hot water handy, and empty the woodlice into the water. Keep this up every night until the pests are cleared out.

(23) **Carnations After Onions.**—I have a piece of land on which onions have been planted for six years, which is very heavily manured; the land is in good condition—not too light nor too heavy—and I would like to grow carnation plants on it this Summer. Kindly give me your opinion.

Conn. J. G.
—The land on which onions have been grown for six years and which is now heavily manured should be all right for carnations if worked properly. We would advise ploughing as early as possible, and, before time to plant the carnations, giving a dressing of lime and plough again. This would tend to destroy any maggots that might have been left in the soil.

(24) **Spiraea Gladstone, etc.**—Kindly inform me how many weeks it takes for Spiraea Gladstone to come into bloom for Easter, also tulips, hyacinths and Von Sion narcissus after being in the greenhouse. All are in good rooted condition.

Conn. J. G.
—Spiraea Gladstone should have about nine weeks in the greenhouse, provided, of course, that it has been potted up two or three weeks and resting in a shed or under the benches. Tulips and hyacinths will be all right if allowed three weeks on the benches. For Von Sion narcissus we would allow four weeks.

(25) **Sea Moss.**—To settle a dispute, will you answer the following question in your next issue? What is the correct name and where do they get the Japanese air fern (sea moss)?

New York. F. A. M.
—We presume that the Japanese air fern referred to is the one used in the manufacture of fern balls. If so, the correct name of the fern is Davallia. Two varieties are used—D. bullata and D. Mariesii; both grow wild in Japan.

Sea moss, the botanical name of which is Ulva latissima, belongs to the order Ulvaceae, green spored algae, characterized by their green or rarely purple membranous frond, which never throw out rootlets at the base. It is widely distributed, but is imported chiefly from Japan.

(26) **To Strengthen Carnation Stems.**—Please tell me what I can do to strengthen the stems of my carnations. The plants look fine, the blooms are nice and there are many buds, but the stems

are weak, not holding the blooms up stiff. When the flowers open the stems bend. Also I would like to know what you consider a good rule as to watering the plants.

New York. A. D.
—We would either water with liquid manure once a week, or give a light top dressing with pulverized sheep manure or well-decayed stable manure.

There is no rule to water by, except to study the needs of your plants. Water them when they require it and as often as they need it. At this season of the year the plants should be kept rather on the dry side, so let the soil get fairly well dry each time before watering; then give enough water to go clear to the bottom of the bench, and wait until the soil is dry again. This might be two days, or it might be a week; but wait, however long it is. The rule of watering plants so often, whether they need it or not, will eventually ruin them.

(27) **Salvias and Peppers.**—Kindly tell me how to grow salvia nicely; the leaves of mine always curl. Also how best to grow pepper plants in flats.

New Jersey. E. K.
—Salvia if grown from cuttings should be treated about the same as arcolems or geraniums, and no trouble with drying of the foliage will occur if reasonable precautions are taken. Do not let the plants wilt for want of water, and keep the atmosphere of the house moist during the day.

—If the pepper referred to is the one grown for culinary purposes, sow seed in March, and, as soon as the young plants are large enough, transplant them into flats.

(28) **The Kinney Pump.**—About two years ago I received a circular about the Kinney pump, but have lost the address. Possibly you could give me same. Do you know of any florist using this pump, and is it giving satisfaction? I wish to use it to force liquid manure through the lawn.

New Jersey. G. M.
—We do not know of any florists who are using the Kinney pump. Write to the manufacturers; their address is The Hose Connection Company, Kingston, R. I.

CATALOGUES RECEIVED.
GILES COUNTY NURSERY COMPANY, Pulaski, Tenn.—rice List of Fruit Trees.

D. M. ANDREWS, Boulder, Col.—Price List of Seeds of Rare Flowers from the Rocky Mountains of Colorado.

J. F. NOLL & COMPANY, Newark, N. J.—Catalogue of Seeds, Bulbs, Plants, Poultry Supplies, etc., with a carefully selected List of Novelties and Specialties. The catalogue is well printed and illustrated. Noll's new Lettuce "Champion of All," and the "Mammoth Rajah Indo Raspberry," in color, have been selected as the cover designs.

DINGEE & CONARD COMPANY, West Grove, Pa.—New Guide to Rose Culture; being a Catalogue of Roses and Other Plants, Seeds, Bulbs, etc. As is well known, Roses form the great specialty of this long-established concern, and some idea of the extent of this branch of its business may be gleaned from the statement that over one thousand different varieties of roses are carried in stock; the enumerations occupying some 70 pages of the present catalogue. Charles Dingee established the business 58 years ago, and "at 84 years of age he is an inspiration, keeping us steadfast in maintaining the clean, honorable business methods of the old school." The catalogue is profusely illustrated. The front cover design, in color, shows a flower of the new hybrid tea rose J. B. Clark; the "new wonder rose," "Taus-mischon," also in color, having been selected for the design of the back cover. There is also a handsome colored insert of "The Famous Cochet Roses." An attractive and interesting catalogue.

CALENDARS RECEIVED.
From Valentine Burgevin's Sons, Kingston, N. Y.

CHANGES IN BUSINESS.
NEW HAVEN, CONN. The Morse Floral Company has opened a store on Church street. The greenhouses at 536 Townsend avenue will be continued. E. J. Morse, the manager, is well known locally and familiarly known as Captain Morse. He was captain of the Second Company Governor's Foot Guard for eight years.

FERNS LATANIAS MY SPECIALTY

150,000 assorted ferns for jardinières, excellent stock, in 15 of the best market varieties, including Cyrtomium Falcatum, Aspidium Thuscense, Pteris Wimsetti and Mayil, in good proportion, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.

CENTER PLANTS (Exact Size)
Kentia Belmoreana, 2 1/2 in., \$1.20 per doz., \$10.00 per 100.
Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Cuneatum, fine stock, 2 1/2 in., \$2.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Farleyense, 4 in., \$4.75 per doz., \$35.00 per 100; 5 in., \$8.50 per doz., \$65.00 per 100, 6 in., \$12.00 per doz.
Adiantum Rhodophyllum, 4 in., \$2.50 per doz., \$20.00 per 100; 6 in., \$5.50 per doz., \$40.00 per 100.
Adiantum Graecillimum, 2 1/2 in., \$3.50 per 100, \$30.00 per 1000.
Adiantum Regina, 4 in., \$2.00 per doz., \$22.00 per 100; 5 in., \$6.00 per doz., \$45.00 per 100.
Cibotium Schiedei, 4 in., \$3.50 per doz., \$25.00 per 100.
Nephrolepis Scottii, 6 in., \$7.00 per doz., \$60.00 per 100; 8 in., \$15.00 per doz., worth the double.
Elegantissima and Pteronol, 5 in., \$5.50 per doz.
Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON Short Hills, N. J.

Bushy Ferns

Unusually fine stock of the Holly Fern (Cyrtomium falcatum), Pteris cretica albo, Pteris Wimsetti, etc. 3 in. pots, 6c.; 2 in. pots, 3c. We have never had better plants and will give you very liberal credit on January orders.

Cibotium Schiedei, 3 in. pots for growing on, 20c.
ASPARAGUS Plumosus, extra strong 2 in. stock but with some of the foliage slightly damaged. Give them a small shift and they will make fine plants \$2.00 per 100.
PRIMULA Obconica Grand. In full bloom. 3 in. pots, 5c.; 2 1/2 in. pots, 6c.; 4 in. pots, 8c.

R. G. HANFORD, NORWALK, CONN.

FERNS

Boston, Scottii, 4 in 15c.; 6 in. 40c. Some extra heavy Scottii at 50c. each. All pot grown.
Asparagus Plumosus, 2 1/2 in., \$3.50 per 100.
KENTIA Belmoreana, 4 in., \$25.00 per 100.
Standard varieties of carnation cuttings at popular prices.

H. WESTON, Hempstead, N. Y.

FERNS, FERNS, FERNS

Fine stock of assorted Ferns in best market varieties from 2 1/2 in. pots, at \$2.00 per 100 plants, or \$26.00 per 1000.
Cibotium Schiedei from 4 in. pote, at \$30.00 per 100 plants.

THOMAS P. CHRISTENSEN, Short Hills, N. J.

FERNS For Jardinières

Best varieties, strong, healthy plants from 2 1/2-4-inch pots, \$3.00 per 100; \$25.00 per 1000. 500 at 1000 rate. 3-inch, \$6.00 per 100.
CIBOTIUM Schiedei, 6-in. pots, \$1.00 each. Nephrolepis Scottii, 7-in. 75c. and \$1.00 each; 9-in. \$1.50 and \$2.00 each.

FRANK N. ESKESEN, Main Street, Madison, N. J.

NEPHROLEPIS

WHITMAN, 2 1/2 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.
FERNS, Boston, 2 1/2 in. \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

Thousands of Orchids

In Sheath, Bud and Flower.

Write for particulars and catalogue.

JULIUS ROEHRS CO. RUTHERFORD, N. J.

FINE STRONG PLANTS

2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$8.00 per 100, \$60.00 per 1000; 4 in. \$15.00 per 100.
KENTIAS, Belmoreana and Forsteriana, 4 in. 25c., 36c.; 6 in. 50c., 75c.; 6 in. \$1.25, \$1.50; large plants, \$2.00 to \$26.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.
PANDANUS UTILIS, strong 3 in. \$2.50 per 100; \$30.00 per 1000.
AZALEAS INDICA, fine plants, 15c. to \$2.00 each.

FERNS

Boston and Pteronol, 4 in. 15c., 6 in. 25c., 6 in. 50c., 7 in. 75c.
Whitman, 4 in. 25c., 5 in. 50c., 6 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.
Small FERNs for dishes in A1 shape, \$3.00 per 100, \$26.00 per 1000.

JOHN BADER, Mount Troy, ALLEGHENY, PA.

Araucarias
Nice plants from 5 in. pots—
4 to 5 Tiers
60c. each; \$5.50 per dozen.
THE CONARD & JONES CO.
WEST GROVE, PA.

Nittbold FLORIST
1657 Buckingham Place,
CHICAGO, - - ILL.

GARDENIA PLANTS SCOTTII FERNS
AND A GENERAL LINE OF
Decorative Stock
JOHN SCOTT
Rutland Rd. and E. 45th St., Brooklyn, N. Y.

ROBERT CRAIG & CO. ROSES, PALMS, CROTONS
CARNATIONS and Novelties in DECORATIVE PLANTS
Market and 49th Sts. PHILADELPHIA, PA.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the world.
Sander, St. Albans, England
and
235 Broadway, Room 1, New York City.

ORCHIDS
We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices. Write us for information as to kinds and prices.
We have just received the following orchids: Oncidium Tigrinum, O. Sarcodes, O. Forbeii, Sophronitis grandiflora and coccinea.
LAGER & HURRELL, Summit, N. J.

ORCHIDS
We shall receive this Spring large quantities of imported ORCHIDS, namely: Cattleyas, Dendrobiums, Oncidiums, Laelias, Vandas, etc. Our facilities for handling large consignments are second to none. We have four collectors, including our Mr. Carrillo, who collect exclusively for us. Our quality and price are too well known to need further comment—a trial order will prove it.
CARRILLO & BALDWIN, Secaucus, N. J.

THE WEEK'S WORK

Timme's Timely Teachings.

Tender Bulbs and Tubers.

Attractive greenhouse display at all seasons of the year contributes in great measure to a lively flow of business at even the duller of periods, such as every retail grower must be prepared to pass through at times. For the months of Summer it is never difficult to make provision for a perfect feast of floral splendor to be spread before the admiring eyes of patrons and chance visitors. Probably nothing for that season more fully serves the dual purpose of inviting and supplying trade than the tender bulbous and tuberous-rooted kinds of Summer-flowering and foliage greenhouse plants. Of these there is a wide range in varieties belonging to a number of different species and orders, but all so very near alike as regards treatment under glass during Summer that their culture under one roof presents no obstacles in the way toward best results. Especially worthy of being grown by retail florists for the purpose are fancy-leaved caladiums, callotas, ismenes and various hybrids of the amaryllis tribe, tuberous-rooted begonias of all kinds, a few of the large-flowering cannas, gesneras, gloxinias, achimenes and sinningias, all sure to add a wealth of brightest color to any collection of plants arranged for effect under glass throughout the hot months of Summer. In order to provide for a continuous array from the beginning of the warm season until quite late in the Fall it is needful to start some of the bulbs, corns or tubers now and another lot five or six weeks later. Some of the kinds may to advantage be raised from seeds, growing into flowering plants by next Summer or Fall, if sown this month.

Starting the Bulbs.

To obtain the best results in the starting of tender bulbous plants and roots at this early date a steadily maintained temperature of about 65 or 70 degrees above and underneath the bulbs and a congenially moist atmosphere rather than inordinately moist soil must be relied upon. Gloxinias, fancy caladiums, hybrid amaryllis and others which always show up in soundest condition when carried through the Winter in some fairly warm and dry place in the same soil and pots in which they were grown and flowered the previous season, are taken out, freed of dead leaves and dry earth and replanted into fresh soil, this to be a mixture of very sandy, fibrous turf, well-weathered manure—that from last year's hot-beds being best—and leaf mold in about equal parts. The pots or pans should be clean and well drained and the soil nicely broken up but not screened. Placed on a pretty warm bottom, the soil at first merely kept moist enough so as not to be really dry, new life will soon break forth, this in the case of most varieties of amaryllis in the form of embryo flower stalks. It is then time to be a little less sparing in the matter of affording water, light and a reasonable amount of air. When finally the plants are well under way in rapidly progressing sturdy growth their requirements are fully met in nearly every particular under practically the same treatment as that accorded most other hothouse subjects.

Starting the Tubers.

When considerable numbers of the foregoing bulbs, as also cannas and like roots, but in particular begonia and similar tubers and corns, are to be started early, it is best to plant them somewhat close together in trays or flats filled with sandy peat, leaf mold or a mixture of sand and finely broken-up sphagnum, with a view toward a shift from these into pots after growth has started, since a uniformly even break of crowns and roots at this season is not to be expected. The flats are placed on brisk bottom heat, the soil kept moist, but not wet, by sprinkling rather than can watering, and as dormant life is thus incited into renewed action the amount of humidity in soil and air is slowly increased, more direct light afforded, and soon quite a number of plants will have made sufficiently strong growth to be carefully lifted out from the less advanced and potted, the laggards to be dealt with in like manner later on. Those potted up should still have the benefit of bottom heat until firmly established. In their final shift a much more enriched and somewhat heavier kind of soil should be used than in starting the tubers. If later in the season a place for these earliest lots

could be spared in some moderately warm outdoor frame, until assigned to duty in the conservatory or show house, very much would be gained thereby in vigor and substance of growth and bloom. So also will occasional light doses of liquid manure, applied when coming into and while in flower, tend to keep the plants in line shape for a considerable length of time. Especially do cannas need some sort of stimulant when in bloom and under pot culture in a house during the Summer, and the earth in which they are expected to do their best should be of the richest. If liberally fed and copiously watered, none of all those included in this list of Summer-flowering plants will brighten up a greenhouse as will the better kinds of cannas. For this reason alone a limited number of these deserve to be started thus early, but in a place where cannas form one of the more important items in the line of bedding stock to be handled, these early starters also serve as the most efficient of advance agents advertising the coming show as nothing else would.

To Be Done Later On.

The later toward Spring tender roots, bulbs, tubers and corns are roused into renewed action the more anxious they will be to respond to efforts made to that end by the grower. There will therefore be little difficulty in starting the later lots, including such as are to be offered in quantity for outdoor planting, which, to be satisfactory stock for that purpose, need not be started before the middle of March.

The very best place for this sort of proceeding at that time and for several weeks later is invariably a newly made hotbed after having been allowed first to cool down to about 65 or at the most 70 degrees of steady heat at night under closed sashes. A good material into which to dibble the bulbs and tubers, or in which to pack the pots containing such, is a layer of from six to ten inches above the heated manure of very old sawdust or tanbark or of fibrous, turfy loam, leaf mold or earthlike, porous, old manure, these substances to be well intermixed with chopped moss and sand—anything in the soil line that will drain off surplus moisture readily and cling to newly made roots when the plants are ready to be lifted and potted.

This is the most satisfactory mode of starting the more tender kinds of Summer-flowering bulbous plants, and besides those already named it will work equally well in the case of numerous others, such as tigridias, achimenes, spekelias, montebrias, crinumms, ismenes, eucharis, Caladium esculentum, spotted leaved callas and many varieties of hippeastrum. In proportion as the weather gradually becomes warmer from day to day, so will the heat in the hotbed decrease with a slowly diminishing amount as supplied by fermentation. The plants, then well forward, must be attended to as required, and if this is done as regards transplanting, ventilation, watering and shading, the grower will have far to look for better stock, and still not find it.

Seedling Gloxinias.

Although excellent for the conservatory or under the lightly shaded glass of greenhouse or outdoor frame, gloxinias, unlike tuberous begonias, are not to be recommended for open air garden planting. They also prove somewhat disappointing as dwelling house or parlor plants, but less so than tuberous begonias, which latter, when in bloom and under the care of unskilled hands, hardly ever receive the amount of water they then require. Seedling gloxinias endure the hardships inseparable from exposure to dwelling room conditions much better than those grown from matured bulbs; and it is no difficult matter to raise such. The issue from a good strain of seeds, sown early, is a lot of fine, vigorous plants flowering throughout the latter part of the warm season. A very few of them will probably not be fully up in point of excellence to what the critical grower declares to be good gloxinias, but by far the greatest number will be as fine a lot as any ever beheld by admiring eye, much varied, it is true, as to habit of growth and manner of carrying the bloom, but all beautiful in their coloring, no two being alike in this, but all alike sturdy, vigorously bright pot plants.

A reasonable amount of care is necessary in the starting of the seeds, and unfeeling heat and moisture will do the rest. Earthenware seed pans are to be preferred to the wooden flats in this case. These are filled within very close to the rim with roughly broken-up pieces of turfy soil or sods in a well forward state of dissolution, such as are to be found about any compost heap of long stand-

Always in Demand

ARAUCARIA ROBUSTA COMPACTA and GLAUCA

JUST LOOK! An ARAUCARIA ROBUSTA COMPACTA OR EXCELSA GLAUCA, worth a ten dollar bill, per foot shape and color, 6 7/8 in. pots, 6-year-old, 4-5-6 tiers, 28 to 40 in. in height, the same in width, only \$3.00; 6 7/8 in. pots, 6-year-old, 4-5-6 tiers, 25 to 28 in. in height, \$2.00 and \$2.50; 6 7/8 in. pots, 6-year-old, 3-4 tiers, 18 to 25 in. high, \$1.50 to \$1.75. **EXCELSA**, 6 7/8 in. pots, 5-6 tiers, 25 to 30 in. high, \$1.50; 6 in. pots, 6-year-old, 5 tiers, 22 to 25 in. high, \$1.00 to \$1.25; 6 in. pots, 4-5 tiers, 4-5-year-old, 18-20-22 in. high, 75c.; 2-year-old, 2-3 tiers, nice little plants, 6-8 in. high, 40c.

WHITMANI, larger than 8 in. pot, planted in 7 in. pots, made up in June, three plants in a 7 in. pot, now as large as a bushel basket, price, \$1.25 to \$1.50 per pot, middle size, 75c.; very heavy specimens, \$1.00 per pot, 6 in. pots, 60c. to 75c.

PIERSONI FERNS 4 in., 25c.; 6-5 1/2-6 in. pots, 35c.-40c.-50c.

PIERSONI WILSONI, 5 1/4 in. pots, very handsome, much admired ferns, 20c.

AZALEA INDICA, have an immense stock now planted in 6 in. and 7 in. pots, were grown for us under contract by an Azalea Specialist in Ghent, Belgium. Have only the leading varieties such as, *Mme. Van der Cruyssen*, (2500 of this well known variety of the finest shape, full of buds), *Niobe*, *Bernard Andrew Allen*, *Deutsche Perle*, *Simon Mardner*, *Empress of India*, *Prof. Wolters*, *Apollo*, and 1/2 doz. more popular sorts, price 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75, \$2.00, \$2.50 each.

BOSTON FERNS, Here about 2500 of this variety, 8 in. pots, made up as big as a wash-tub, worth \$3.00, \$1.25, \$1.50 each; 7 in. pots, as large as a bed basket, worth \$2.00, cut down to 15c. and \$1.00 each; 6 in. pots, very large, worth \$1.00, only 60c.; 5 1/2 in. pots, 25c. and 40c. each.

KENTIA Forsteriana and Bismarckiana, 4 in. pots, 8 to 20 in. high, 5c. to 25c.; 6 in. and 6 in. pots, bushy stock, plants, 50c., 60c., and 75c.

LANTANA Borbonica, 4 in., strong, 25c. each.

COCOS Weddelliana, 3 in. pots, 10-12-15 in. high, 15c.

ARECA Lutescens, 4 in. pots, made up three plants in a pot, 18-20-22 inches high, 20c. each.

FICUS ELASTICA or RUBBER PLANTS, home grown and Belgium stock, 18-20 to 40 in., 5-5 1/2 to 6 in. pots, 25c.-35c.-40c.-50c., and 60c. each, 7 in. pots, 75c.

ASPARAGUS plumosus nanus, 3 in. pots, \$7.00 per 100; 4 in. pots, \$10.00 per 100; all bushy plants.

HADRANGEA OTAKSA, Now is the time to force *Hydrangea Otaksa* for Easter blooming. Remember only pot grown will form successful for Easter; we grow ours in pots in the summer and plant them in cold frames (row inside); have about 500 to spare, 6 in. and 7 in. pots 25c., 25c., 50c., and 75c. each.

BEGONIA, new improved *Erfordi*, 4 in., strong; 20c.; 5 1/4 in., 25c. each.

Please mention if plants are to be shipped with or without pots. All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN, Importer, Wholesale Grower and Shipper of Pot Plants
1012 West Ontario Street, PHILADELPHIA, PA.

CINERARIAS

Fine large 6 in. in bloom, ready for immediate use 35c. each.

FERNS

BOSTON, 3 in. \$6.00, 4 in. \$12.50; 5 in. \$25.00; 6 in. \$40.00 per 100; 7 in. 50c. each.

PIERSONI, 3 in. \$6.00, 4 in. \$12.50 per 100.

ASPARAGUS PLUMOSUS or SPRENGERI, 2 in. \$3.00; 3 in. \$6.00; 6 in. \$10.00 per 100.

Oash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

Rooted Cuttings

HELOTROPE (dark) 60c. per 100; 45.00 per 1000. **FINEST DOUBLE FUCHSIAS**, 75c. per 100, \$6.00 per 1000. **NEW DOUBLE PETUNIA**, *The Queen*. A fine bloomer white mingled with purple, requires no staking, \$2.50 per 100. **SALVIA Zurich**, new dwarf ever-blooming variety, \$2.00 per 100. **SALVIA Bonlire**, 30c. per 100. **AGERATUMS**, *S. Gurney* and *P. Pauline*, 50c. per 100; \$1.00 per 1000. **GERMAN IVY**, 50c. per 100; \$1.00 per 1000. Strong and well-rooted. Cash with order.

J. P. CANNATA, Mt. Freedom, N. J.

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$6.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

greater importance are several other points that should never be lost sight of in the use of tuberous begonias for open air culture. Plants in full bloom, such as recommended for display, taken from the greenhouse into the garden, will invariably prove a sorrowful failure within a week or two. Sturdy plants, started from bulbs in the beginning of April, especially when reared in outdoor frames, survive free exposure and faulty selection of place combined with want of proper care much longer, but the best kind of stock for the purpose, if mixed colors have been decided upon, are seedlings, the seed to be sown in February and accorded the same treatment as advised for the starting of the seeds and the subsequent care of the seedlings in the case of gloxinias.

Even if it were as possible on every place as it is desirable to find an ideally situated spot for such a bed, one lightly shaded by a few far-reaching branches of trees a foot or two away during the sunniest hours every day, there would still be the impending danger of possible failure owing to unsuitable, exhausted soil, insufficiency of water at the roots of the plants in dry spells of weather, a very common occurrence, and, finally, the worst depolar of beauty in a bed of tuberous begonias, the high, dry wind on a hot Summer day. **FRED. W. TIMME.**

Tuberous Begonias from Seed.
A beginning with matured tubers in the raising of this class of begonias for open air effect has the one advantage over a start with seeds that separate colors may confidently be looked forward to in the planning of beds and borders, if it is so desired. It is a question whether such an arrangement of several colors by themselves or one color alone in a bed or band of flowering tuberous begonias would prove more effective than a bed exhibiting a diversity of shades. Of

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Delivers anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLOREAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BEETEMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Chicago, Ill.

HAUSWIETH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

Ban on Plant Loans.

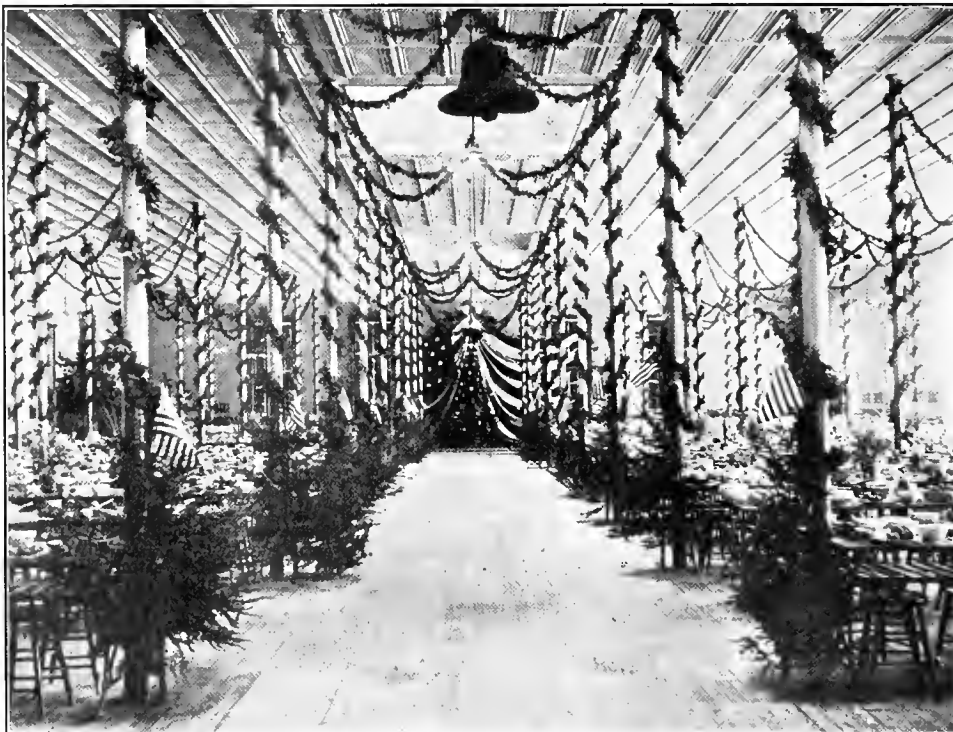
Mayor Hibbard of Boston has put his official ban upon the use of potted plants and floral decorations from the municipal conservatories for private social affairs throughout the city. The mayor was called upon last week by a committee of young people who wanted to borrow potted plants from the city's conservatories, and he was amazed at such a request. When informed that it was customary for years to secure such displays for the asking, he immediately notified those in charge of the municipal conservatories not to loan any more flowers or potted plants for private use. In years gone by and until the present administration it was a very common occurrence for the city to distribute scores of potted plants at halls where social affairs were being held, and the city paid for all the carting.—Boston (Mass.) Morning Herald.

and his staff, one has to sample the sumptuous dinners served at the Home on this and similar occasions. The preparation of 3,000 yards of roping and other material used in decorating the various mess rooms, hospital, chapel, etc., and its final arrangement, was practically all done by inmates of the home, employed in this department.

I hope to see many of your readers here during 1908. No one ever regrets a visit to this naturally beautiful spot. It may be that Togus has not yet developed as much of interest to the profession as some of the other Homes, but, my masters, the joys of achievement are before us, for Togus has unlimited possibilities, and when the writer was entrusted with the care of those possibilities, his lines fell in exceedingly pleasant places, inasmuch as Colonel Richards, governor of the Home, is a true lover of horticulture in all its branches, and is as practically enthusiastic and interested in the improvement and development of the reservation as he is in the welfare of the 2,500 veterans within its borders.

Togus, Me.

A. W. McINTOSH,
Chief Gardener.



Christmas Decorations of Soldiers Home, Togus, Me.

Christmas Decoration at a Soldiers' Home.

The photograph herewith reproduced of the large mess room at the Togus (Me.) branch of the Soldiers' Home was taken while the holiday decorations were in place. Owing to certain conditions, however, it was impossible to secure a picture that would give a comprehensive idea either of the decorations or the splendid proportions of the hall (a room 149x84 feet and 18 feet in height, and in which 2,500 veterans are fed three times daily). Some 20 feet of the foreground has been of necessity omitted, and the decorations along the walls, doors, and windows cannot be guessed at from the picture. The large tree fronting the National colors, at the rear of the hall, was trimmed with electric lights and poinsettias and was a notable feature of the decorations in this building. However, the photograph may serve to give your readers some idea of what is done in this line to accentuate the holiday season at Togus.

But to appreciate properly the manner in which the old soldiers are cared for, and the hearty interest taken in their comfort by Governor Richards

PAMPHLETS RECEIVED.

FORESTRY IN THE PUBLIC SCHOOLS.—Circular 130, Forest Service, Department of Agriculture, Washington, D. C. By Hugo A. Winkenwerder, Forest Assistant.

The object of this circular is not to advocate the adoption of another study to the public school curriculum, which in many cases is already too cumbersome, but rather to point out whereby the subject of forestry could be introduced in association with some of the studies that already form part of the public school instruction. Among these are nature study, general geography, arithmetic, United States history, civics, physical geography, commercial geography, botany, woodworking and agriculture. Under each of these subjects is provided an "outline for study," showing just how the object aimed at can be accomplished.

The Forest Service, under Gifford Pinchot, is doing admirable work in its especial line for the older folks interested in forestry; and the bulletin before us is an evidence of the desire of the Service to get the young equally interested—for which purpose the pamphlet should prove of immense service. The suggestions furnished for the making of forestry teaching an integral part of the existing school curriculum are most excellent, and will be found of great utility to all teachers.

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The American Carnation Society

FULL REPORT OF THE PROCEEDINGS AND EXHIBITION SEVENTEENTH ANNUAL MEETING, WASHINGTON, D. C., JANUARY 28 TO 30, 1908

Officers elected: President, M. A. PATTEN, Tewksbury, Mass.; Vice-President, A. F. J. Baur, Indianapolis, Ind.
Secretary, ALBERT M. HERR; Treasurer, FRED. DORNER, JR.
Next place of meeting, Indianapolis, Ind.

Favored once again by most propitious weather, the American Carnation Society opened its seventeenth annual meeting and exhibition at Washington, D. C., on Tuesday, January 28, continuing till Thursday, January 30. The attendance was large and representative of the carnation growing centers of the country.

The exhibition was fully equal to, if it did not surpass, that held at Toronto last year, and the quality of the stock shown was of a high standard throughout. The National Rifles Armory, where the exhibition was held, was lighted on the two sides only, and artificial lighting had to be resorted to—probably the only slight drawback to otherwise excellent arrangements. President Peter Bisset, Superintendent Charles McCauley and others of the local club, rendered admirable assistance, and their labors did much to facilitate the work of staging and judging. One o'clock was the hour named for closing the staging of the competitive classes, which were all in place by that time.

A brief session was held on the forenoon of Tuesday for the purpose of electing three additional judges, when the following gentlemen were chosen: Messrs. M. A. Patten, Tewksbury, Mass.; Peter Fisher, Ellis, Mass.,

a few well-chosen words expressed his appreciation of the honor conferred upon the Capitol City in having the American Carnation Society's convention and exhibition in Washington, and referred in approving terms to the work of the Society. He then introduced the Hon. Mr. MacFarland, chairman of the Board of Directors of the District of Columbia, who extended a welcome to the Society. He said in part: "We, of the government of the District of Columbia, are very happy to offer the American Carnation Society a hearty welcome to the city of Washington, a Society whose title brings Canada, as well as the United States under the name America; for we believe all Canadians and men of the United States alike are Americans. I hope the delegates from beyond the border will feel just as much at home as the men who represent our own country."

The speaker then went on to tell of the courtesy and hospitality of the Canadian people, of which he himself has had personal experience. We expected that all Americans would feel at home in the Capitol City, and needed not its freedom extended to them. The citizens of the District contributed about 16½¢ per capita to developing and maintaining the City of Washington, those outside 6½¢ each for these expenses. He believed all would be glad to contribute even a greater sum toward that end. The Commissioner then paid tribute to the Society and the flower it stands for, and feelingly referred to the late President McKinley's great love for the carnation. Wednesday, January 29, McKinley's birthday, would be fittingly celebrated in Washington by a general wearing of the divine flower. The speaker was pleased to know that the late President's memory was to be perpetuated by such a beautiful blossom as the carnation. It was fortunate, he thought, that the American Carnation Society was the only organization that represented the flower which is associated with any American statesman. He hoped to see as much interest taken in Carnation Day in America as was done in Primrose Day in England, which kept fresh the memory of Beaconsfield.

"I welcome you as Americans all," continued the Commissioner, "and trust that your visit may be often repeated, and that you will enjoy every hour you are here." (Great applause.)

E. R. Pierson, Tarrytown, N. Y., replied to the address of welcome. Mr. Pierson dwelt particularly on the international character of the American Carnation Society, which knew no territorial limitations. He was pleased that the high standard of the exhibition at Toronto last year had been maintained at Washington, and emphasized the need of perpetuating McKinley Day by wearing carnations. He believed the Washington convention would be a memorable one in the history of the American Carnation Society. (Applause.)

John H. Dunlop, Toronto, Ont., made a few remarks on behalf of the Canadian brethren, and was especially glad that their efforts last year were so highly successful and so much appreciated. The improvement in carnation culture was seen everywhere, and every exhibition of the American Carnation Society but demonstrated the advances making along this line.

Mr. Bisset then thanked the members for his election last year as vice-president of the Society, and introduced President Fred H. Lemon, who read his address as follows, his remarks being closely followed, and greeted with applause.

President's Address.

It has been the custom for a number of years for the president to share in extending a welcome to the members of the American Carnation Society. To-day the seventeenth president has the privilege and honor of sharing in the expression of thanks and appreciation for the hospitable reception and cordial welcome extended by the convention city.

It must be remembered at this time that the real work of preparation for this convention has been done by our most worthy vice-president, Peter Bisset, and his able

assistants in Washington. Allow me to express at this time my personal appreciation of the unflinching courtesy and the untiring zeal and activity of the vice-president, which, together with the efficient services of the secretary, made possible this most successful exhibition and convention.

The Certificate.

Reference has frequently been made during the last few years to the subject of the society's certificate. It is a pleasure to refer to the eminently sensible and correct settlement of the controversy at the convention in Toronto last year. The remarks on the subject by our honored member, W. N. Rudd, contain the best exposition of the aims and province of the American Carnation Society to be found in all its literature. It is indeed true, as stated in those remarks, that "the certificate is nothing except an opinion of the quality of the flower shown at the exhibition. The commercial value of carnations must be ascertained in other ways; and it is beyond the ability of this society, beyond its province, to attempt to say whether or not a certain carnation shall prove a profitable investment to the buyer." I wish at this time to endorse most emphatically this position in relation to new varieties and to urge the society to encourage in every way possible the production of new



Alma Ward

Winner of the Gold Medal of the A. C. S., the Silver Medal of the S. A. F., and other prizes.

Grower, Cottam Gardens Co.

and S. J. Reuter, Westery, R. I. The other judges were: Messrs. W. N. Rudd, Morgan Park, Ill.; William Nicholson, Frammingham, Mass., and Eugene Daillouze, Flatbush, N. Y.

First Session, Tuesday, 7.30 P.M.

The first session of the Society opened on Tuesday evening at 7.30. Vice-President Peter Bisset, who is also president of the local florists' club, presided, and in



CARNATION AFTERGLOW.

Winner of the A. C. S. Silver Medal and other prizes. Grower, R. Witterstaetter, Cnemati, O.

kinds and especially the exhibiting of new things at our annual shows.

Value of the Society's Awards.

There has been a decided inclination during the past few years to belittle the value of the showing made by a carnation at the American Carnation Society's exhibitions. Opinions of this kind have been expressed by many prominent members and have even crept into a number of addresses by our past presidents. I desire especially to emphasize my opinion that any variety which can win the American Carnation Society's medal or obtain first place in one of our "open to all" classes,

must possess many points of exceptional merit. The fact of its winning is prima facie evidence, and is incontrovertible, for the judgment is the expressed belief of at least two and more often three of the leading experts of the country, that such variety has produced blooms superior to any others of its class. The trade at large, and particularly members of this society, should accept this at its full value; that is to say, should recognize such action as coming from the highest tribunal and as being the best opinion obtainable in the United States on the subject. The idea that the American Carnation Society does thereby guarantee such variety to be a profitable one to grow commercially is a false position and should be avoided in the future. The society as a body can possess only the presence of its integral parts, its individual members, and what man among us can unflinchingly predict a carnation's future even after studying the variety from all vantage points? The production of fine blooms is a prime requisite and with this alone should the society concern itself, leaving prophecies as to the probable future of a variety to individual judgment. Any practical grower of carnations should consider the grant of a certificate or medal by the American Carnation Society as the very highest recommendation possible and amply sufficient proof of merit to justify a thorough test and earnest effort to grow the variety as well as it has been grown by the raiser.

Proven Merit Should Be Recognized.

However, there is one point in this connection which does come within the province of this society, and that is, the proper recognition of merit which has been abundantly proven. Seven years ago, at Indianapolis, when the fatal illness of the president, Wm. J. Bertram, placed me in the position of acting chairman, I suggested that the society ought to take some action commending the raiser of any carnation which has proved itself the premier variety of its class for a number of successive years. No attention was given the suggestion at that time, but my opinion has not changed on the subject. I believe that when any variety wins first prize in any class A (open to all) section for three successive years, the raiser of such variety should be granted the society's gold medal, fittingly engraved, as an award of sterling merit. It is at least a subject worthy of discussion.

There ought also to be a sweepstakes prize covering class A (open to all) section.

Entrance Fees for Certificate Classes.

To refer again to the certificate classes: I believe that the entrance fees in both preliminary and final certificate classes should be omitted, *except when such certificate is granted*, and that the only restriction placed on exhibiting in these classes should be membership in the society. This should be done for the purpose of increasing the number of exhibits in these classes. The judges may be depended on to sift properly such candidates.

Exhibits of Carnations in Pots.

Reference has been made annually, since the inception of this society, to the proposed exhibition of carnations in pots. Ex-President Rackham spoke of the matter in his address at Detroit. John Birnie made a strong plea for such varieties in his able paper read at Toronto last year. Now to accomplish anything in this line it will require a radical step by the society and it may as well be taken at once. Offer a good substantial prize for the best collection of plants in bloom in pots. To do this, without increasing the amount devoted to the premium list, reduce the breadth and scope of class B, which, as it now stands, tends toward monotony in the exhibition.

The Carnation in Decorative Work.

Also, if it were possible so to divide the money devoted to premiums to admit of it, a certain amount ought to be devoted each year to exhibitions showing the adaptability of the carnation to reception and wedding decorations. Competitive contests among local retail men are not practicable, but some prominent retail man might be selected to prepare some such exhibit each year, as this would interest the public greatly and add to the beauty of the exhibition.

Interest of Foreign Growers.

The very valuable papers from foreign carnation growers last year, together with the reports appearing in our trade papers from time to time, indicate the rapid strides making by our co-workers in England in the development of the overblooming carnation. Such reports should stimulate the activity in America, for we should retain our supremacy in this line.

Taking into consideration the formidable opposition in the securing of new varieties of carnations which the English breeders have now presented, would it not be a good thing to make some arrangements whereby new English sorts could be sent here for test as to their adaptability to American conditions and markets? Probably some exchange of novelties could be made between growers in the United States and those in England for this purpose. A great deal of interest is now being taken in American varieties over in England, and the same thing is likely to happen with English varieties in the United States; hence it would be well for the Ameri-

can Carnation Society to take the first steps aiming toward cooperation.

Registration.

In the matter of the registration of new varieties, the opinion has been expressed by interested members that the society ought to omit all superfluous verbiage as to whether the new variety is better than others of its kind, and give simply the name, the parentage, the date when the cross was made, and the color. A uniform registration blank should be adopted and this should avoid any appearance of indorsing the good qualities of a new kind.

Co-operating with Other Organizations.

At the Chicago convention in 1905 action was taken authorizing the offering of American Carnation Society's certificates at the Fall exhibitions in our leading cities, and the appointment of judges for such exhibits. A committee was appointed with power to act, but the plan never was carried out. This should be taken up and some definite action taken. The S. A. F. O. H. has invited the co-operation of our society in the National flower show to be held in Chicago in November of this year, and we should offer our certificate and medals at that great exhibition.

It is with great pleasure that I look forward to the joint meetings with the American Breeders' Association. I hope and believe that much of benefit to the practical grower will result from the joint discussions on carnation breeding. If there is anything tangible as regards Mendel's law in relation to the breeding of carnations, it should be brought out at this time.

The business sessions of the convention in Toronto were the best attended of any convention in a number of years. I am counting on the members to surpass that record in Washington.

Returns Thanks.

In closing I desire again to join with the visiting members of this society in appreciation of the efforts of the Washington florists which have made possible a successful convention.

It is a high honor to be chosen president of the best, most business-like, and most effective florists' organization in the United States, and I thank you most heartily for that honor.

The report of the secretary, Albert M. Herr, Lancaster, Pa., was then read, as follows:

Secretary's Report.

Your secretary reports having issued the regular printed matter of the society during the past year. Our annual report was more complete than usual, thanks to our stenographer, who being from my own city, the report could be worked out to better advantage than could possibly be done by correspondence.

The premium list and dates for the meeting were discussed and adopted at the meeting of the board of directors held in Philadelphia last August, quite a few changes being made in the premium list and a three-day session agreed upon as an experiment, all of which was duly announced through the trade papers.

Date of Show Opening.

It has since developed that a portion of intending exhibitors are not able to get their flowers through in time for staging by 1 p. m. Tuesday. I would suggest that a part of our meeting be set aside for the purpose of adopting a premium list, a set of rules governing the exhibition, and the best date for the opening of the show in 1909. With exhibitors, judges and the board of directors all present, mistakes and friction could be avoided. The exhibitor being the first consideration in our shows should have first consideration in our premium list.

Advertising in Premium List.

In the opinion of your secretary the matter of advertising in our premium list should be dispensed with; the members do not patronize it to any extent, even after personal solicitation, and it is hard to get outsiders to look upon it as a good business proposition. For the list issued this year a circular letter was sent to all members of this society, followed by a personal letter to the possible advertisers (in some cases two and three). In addition to this, personal letters were sent to about four hundred other advisers, with the results shown before you. The getting up of the premium list, aside from the solicitations, is almost as much work as getting out the annual report, and after deducting the extra cost of printing there is such a small margin of profit that it is hardly just to your secretary to pile all this work upon him.

A pet scheme of my own was tried this year; an invitation was sent to every florist within a radius of one hundred miles from the meeting place to join the society; the responses were two new members and several inquiries, a result that teaches its own lesson.

In addition to all of the foregoing there have been about seven hundred pieces of mail, mostly personal letters in response to inquiries, and the regular correspondence between this office, your president and the board of directors.

Would Retire Next Year.

Your secretary requests that you will select a successor for the coming year. It is a matter of office for one year longer in order to carry out the other matter that would have to be done before he is released. The work of the society is not very heavy, a ratio of about three to one as compared with other clubs; it is a work that ought to be done and done so that in making your selection it will be wise to choose a secretary who has been and is now devote to this work, and one who employs clerical help to whom can be given the routine part of the work. Your present incumbent having served the society for thirteen years feels that with another year's service to break the hoodoo, he has borne his share of the work, and that some one more competent and better able to give the time and labor required should take it up and carry it on to completion.

Mr. Rudd here moved that a committee of three be appointed to consider and formulate action on the suggestions contained in the President's address, said committee to report at Thursday's session. Mr. Larson appointed on this committee Messrs. Rudd, A. T. J. Burr, and John R. Fotheringham.

The treasurer's report was read by Fred E. Donner, an abstract of which follows:

Treasurer's Report.

RECEIPTS.	
Balance Jan. 21, 1907.....	\$390.11
Cash from Albert H. Herr.....	8897.05
Secretary.....	82.97
Interest.....	11.370.11
EXPENDITURES.	
Paid orders on treasurer.....	\$1,032.07
Jan. 21, '08, Cash on hand.....	\$338.05
PERMANENT FUND.	
Amount reported Jan. 21, '07.....	\$2,025.31
Seven Life Memberships.....	350.00
	\$2,375.31

Report of Nomenclature Committee.

Secretary Herr read the report of the Committee on Nomenclature as follows, which was adopted:

Your committee reports the registration of four single buds and three sports for the past year, a very poor showing judging from the amount of novelties described in our trade papers.

We would suggest that a circular letter be gotten up for use by the chairman of this committee to mail to a grower as soon as he describes a new carnation in one of the trade papers, this letter should show the advantages of and the necessity for registration, and demand that he register the name of his variety if he has any intention of growing it commercially. We, of course, cannot compel registration, but we can demand it on our right, and there are very few growers, members of this society or not, who would not honor the demand.

Another point for action by your society is the enormous increase of sports that are being put on the market each year. Your committee recommends that each of these sports be given a distinct name, and when offered to the trade as rooted cuttings that the description announce what they are a sport from. As it now stands we have four or five Lawsons, as many Earlhambres and endless confusion reigns supreme. If such a distinct name wholesalers and growers would not be at a loss to know which was wanted when orders are sent by wire or letter.

ALBERT M. HERR, Secretary.
ARTHUR HERRINGTON, Treasurer.
EUGENE DALLEDOZZI, Clerk.

Invitations for Next Meeting Place.

The secretary read invitations from the Pittsburg and Allegheny Florists' Club, and from the State Florists' Association of Indiana, asking the Society to hold its 1909 meeting in Pittsburg and Indianapolis respectively. Selection takes place to-morrow.

Nomination of Officers.

For President M. A. PALDEN, TAWKSBURY, MASS., nominated by Mr. Nicholson.
This was the only nomination for president.
For Vice President WILLIAM FALCOWER, PITTSBURGH, nominated by T. P. Langhans, A. T. J. BURR, INDIANAPOLIS, nominated by Fred E. Donner.
For Secretary ALBERT M. HERR, nominated by several.
For Treasurer FRED E. DONNER, nominated by Wm. Rowland, Erie, N. Y., and John N. May, Summit, N. J.

Judges to fill the vacancies caused by the resignation of William Scott, on account of ill health, and the expiration of the term of William Nicholson, were nominated as follows:

Peter Fisher, Ellis, Mass.; Mr. Nicholson and Eric Burki.

For Directors: James S. Wilson, Western Springs, Ill., was nominated by Mr. Rudd to succeed him.

Secretary Herr then read the report of the judges, which will be found in another column.

The meeting then adjourned.

The Exhibition.

As mentioned, the exhibition was a grand success, a magnificent lot of flowers being staged.

Among the whites Alma Ward showed to excellent advantage, capturing the gold medal of the Carnation Society, the S. A. F. silver medal, and was also first for 100 blooms white. Afterglow was also seen in fine form and secured the silver medal of the Society, as well as the S. A. F. bronze medal. The A. C. S. bronze medal was likewise won by the Cottage Gardens Company, with Mrs. C. W. Ward. The various winning sorts are mentioned in the prize list; these will give a good idea of the best blooms shown in the various classes.

Pink Imperial showed fine, and Winsor met all expectations. There was a close tie between Lady Bountiful and White Enchantress as next best to Alma Ward. One excellent case of Lieut. Peary took special prize for the Cottage Gardens Company. Beacon among the reds had the others outclassed.

M. A. Patten of Tewksbury, Mass., sent some fine seedlings, including a magnificent White, numbered 46-205; a yellow variegated and a pink. A splendid vase of 50 Welcome, grown by the Chicago Carnation Company, was particularly fine; Melody, a light pink, which was shown by F. R. Pierson Co., along with Enchantress, were fittingly recognized by the judges.

Creole Beauty and Wa-no-Ka were close rivals and in a class of dark reds distinctly alone. Toreador was rendered conspicuous by reason of its long stems and showy flowers. Apple Blossom was a distinct novelty, shown by Wa-no-Ka Greenhouses, and made a handsome vase.

Mrs. C. W. Ward, which was of the most exceptional high class pink, bids fair to win favor along with Alma Ward.

Splendor, grown by Stephenson Brothers, Govanstown, Md., is a most promising variety. Its color is intermediate between those of Winsor and Mrs. T. W. Lawson, and it has every evidence of being a first-rate commercial carnation.

Aristocrat showed up gorgeously under artificial light. John Reimels' scarlet seedling Number 32 is an attractive variety and was greatly admired.

Apple Blossom is a well-shaped flower, with good stem, its only lack being that it is a little undecided in color.

Among variegated kinds Mrs. M. A. Patten is the leader. Bay State, from Roper, is also a good variety in this class, but it was not in the best condition as exhibited.

Victory was shown better than last year; it must still be considered as one of the good scarlets.

Enchantress leads in its class.

It was noticeable that Mrs. Thos. W. Lawson did not show to advantage this year; opinions were expressed that this once great leader had been superseded by newer sorts.

Creole Beauty is a fine thing in the maroon class, being, as far as seen at this show, the finest in its particular color.

The variety Wa-no-Ka is also a promising variety in this class.

F. H. Kramer of Anacostia, D. C., exhibited a large vase of Queen Beatrice rose, banked with adiantum. The Mrs. Jardine rose, sent by Robert Scott & Son, Sharon Hill, Pa., showed up well and to much better advantage than at the last flower show in this city in November.

Rose Rhea Reid seemed finer and fresher than when last exhibited and made one of the finest individual displays offered.

F. R. Pierson Co. had a splendid specimen plant of the new fern *Nephrolepis superbissima*, a marvel of beauty. Wm. Sim, of Cliftondale, Mass., showed his new single violet Boston, which found many admirers.

Peter Bisset, of Washington, exhibited a vase of seedling roses, crosses of Queen Beatrice in each case, with K. A. Victoria; General MacArthur and Enchanter; all were most promising and attracted considerable attention.

Kroeschell Brothers Company liberally distributed their handy carnation measure, which was much appreciated. They had on exhibition a model of their well-known hot water boiler, in charge of Fred Lautenschlager.

The Baur Floral Company, Erie, Pa., showed their carnation clip, and gave a demonstration of its practicability in mending bursted calyxes.

The Seedlings.

There were quite a number of seedlings on exhibition. M. A. Patten's No. 46-205, scored 86 points, receiving a preliminary certificate. Full certificate of merit was awarded to seedling No. 100 from Joseph Heacock Co., Wyncote, Pa., which scored 86 points. Mr. Heacock has 1400 plants of this variety. It is a seedling of Lawson and Enchantress, the latter being the seed-bearing parent, and originated with Edwin Towell, Hillsdale, Pa., from whom Mr. Heacock purchased all the stock. The color is a clear rose pink; and we are informed the plant is a very free bloomer, and a strong

grower. This variety will be disseminated in the Spring of 1909.

Other seedlings securing certificates of merit were Wa-no-Ka, from the Wa-no-Ka Greenhouses, Barneveld, N. Y., which scored 86 points; and President Seelye, from H. W. Field, Northampton, Mass., scoring 89 points.

Among the seedlings shown some were not in fit condition to be judged, owing to circumstances over which the exhibitors had no control. The judges mentioned as such: Defiance, Mrs. Robert Hartshorne and Climax. The variety Apple Blossom, from the Wa-no-Ka Greenhouses, scored 84 points.

Miscellaneous Exhibits.

The miscellaneous exhibits, other than carnations, were mentioned by the judges as follows:

E. H. Kramer of Washington, D. C., showed some very fine blooms of Queen Beatrice rose, very tastefully arranged.

Two vases of Mrs. Jardine rose were on exhibition by



Charles McCauley, Exhibition Manager.

Robert Scott & Sons, Sharon Hill, Pa. The same were very fine, having a remarkable fragrance.

E. G. Hill & Co. of Richmond, Ind., showed a grand vase of Rhea Reid roses.

The new fern, *Nephrolepis superbissima*, was on exhibition by F. R. Pierson Co. of Tarrytown, N. Y., and in fine condition.

Wm. Sim of Cliftondale, Mass., exhibited three very fine vases of violets.

The Richmond carnation support was shown by the Eagle Machine Works, Richmond, Ind.

The Morched trap, in model, was exhibited by the manufacturers.

Several of the Lord & Burnham Company's specialties were shown.

The Judges' Awards

Class A—100 Blooms.

SEEDLINGS OR STANDARD SORTS.

White—First, Cottage Gardens Co., Queens, N. Y., with Alma Ward; second, F. R. Pierson Co., Tarrytown, N. Y., with White Enchantress.

Enchantress shade of pink—First, Chicago Carnation Co., with Enchantress; no second.

Lawson shade of pink—First, E. G. Hill & Co., Richmond, Ind., with Afterglow; second, Cottage Gardens Co., with Mrs. Tom Harvey.

Winsor shade of pink—First, Cottage Gardens Co., with Mrs. C. W. Ward; second, Chicago Carnation Co., with Winsor.

Scarlet—First, Cottage Gardens Co., with Beacon; second, John Reimels, Woodhaven, N. Y., with Seedling No. 32.

Crimson—First, Cottage Gardens Co., with Creole Beauty, second, John D. Cockeroff, Northport, L. I., with Harvard.

White Variegated, First, John Reimels with Variegated Lawson; no second.

Any other color.—First, H. Weber & Sons Co., Oakland, Md., with Toreador; second, John E. Haines with Imperial.

Class B—50 Blooms.

Open to all varieties disseminated prior to July 1, 1907.

Lady Bountiful—First, Stafford Flower Farms, Stafford, Pa.; no second.

White Perfection—First, F. R. Pierson Co.; second, S. J. Goddard.

Any other white.—First, F. R. Pierson Co. with White Enchantress; second, Stafford Flower Farms with Lieut. Peary.

Enchantress.—First, Chicago Carnation Co.; second, Stafford Flower Farms.

Any other Enchantress shade of pink.—First, F. R. Pierson Co. with Melody; second, Henry Eichholz with Mrs. W. T. Onwake.

Winsor.—First, Chicago Carnation Co.; second, Cottage Gardens Co.

Pink Enchantress.—First, F. R. Pierson Co.; second, Henry Rohrer, Lancaster, Pa.

Any other pink (this shade).—First, Chicago Carnation Co. with Welcome; second, Henry Weber & Sons Co. with Genevieve Lord.

Lawson.—First, Potter, Wilmington, Del.; no second.

Aristocrat.—First, Chicago Carnation Co.; second, R. Witterstaetter.

Pink Imperial.—First, John E. Haines, Bethlehem, Pa.; no second.

Robert Craig.—First, Henry Rohrer, Lancaster, Pa.; no second.

Red Chief.—First, F. R. Pierson Co.; no second.

Victory.—First, F. R. Pierson Co.; second, S. J. Goddard.

Beacon.—First, Cottage Gardens Co.; second, F. R. Pierson Co.

Any other scarlet.—First, Chicago Carnation Co. with Andrew Carnegie; second, John E. Haines with John E. Haines.

Mrs. M. A. Patten.—First, Cottage Gardens Co.; no second.

Imperial.—First, John E. Haines with Pink Imperial; no second.

Any other white variegated.—First, F. R. Pierson Co. with Variegated Lawson; no second.

Any other crimson.—First, Cottage Gardens Co. with Octoroon; no second.

The American Carnation Society's Medals.

CLASS C.—100 BLOOMS, ANY VARIETY, ANY COLOR.

Gold Medal.—Cottage Gardens Co. with Alma Ward.

Silver Medal.—R. Witterstaetter with Afterglow.

Bronze Medal.—Cottage Gardens Co. with Mrs. C. W. Ward.

Special Medals of the Society of American Florists.

CLASS D.—50 BLOOMS OF CARNATIONS NOT YET DISSEMINATED; THE VARIETY TO BE IN ALL CASES OF AMERICAN ORIGIN.

Silver Medal.—Cottage Gardens Co. with Alma Ward.

Bronze Medal.—R. Witterstaetter with Afterglow.

Preliminary Certificate.

White 46-205, exhibited by M. A. Patten, Tewksbury, Mass., 86 points.

Certificates of Merit Awarded.

Pink Seedling No. 100, exhibited by Joseph Heacock, Wyncote, Pa., 86 points.

Wa-no-Ka, exhibited by Wa-no-Ka Greenhouses, Barneveld, N. Y., 86 points.

President Seelye, exhibited by H. W. Field, Northampton, Mass., 89 points.

W. N. Rudd, Morgan Park, Ill., for white seedling, a fine commercial flower. Scored 86 points; also for flesh pink seedling; a very attractive bloom, the evenness of color being remarkable. Scored 89 points.

Special Prizes.

The Henry F. Michell Co. silver vase, valued at \$40, for the best 100 blooms of carnations in four varieties, twenty-five blooms to a variety (open to private gardeners only) was won by Wm. Kleinheinz, Ogontz, Pa.

Peter Bisset's prize of \$10 in gold for the best display of carnations grown by a private gardener, distinct from Michell's prize, was won by Wm. Kleinheinz, Ogontz, Pa.

Peter Fisher's prizes for the best fifty blooms of Beacon, first (\$12), was won by Cottage Gardens Co., Queens, N. Y.; second (\$8), was won by F. R. Pierson Co., Tarrytown, N. Y.; third (\$5), was won by Stafford Flower Farms, Stafford, Pa.

George H. Cooke's prize of \$10 in gold for the best 25 blooms pink seedling or sport darker than Enchantress and lighter than Lawson, never before winning a prize or medal. Those having preliminary certificate eligible. The above prize was won by Joseph Heacock, Wyncote, Pa., with Pink Seedling No. 100.

George C. Shaffer's prize of \$10 in gold for the best vase of 50 blooms, not more than three varieties, open only to growers having less than 20,000 feet of glass, was won by Henry Eichholz, Waynesboro, Pa.

S. C. Briggs' prize of \$10 in gold for the best vase of white carnations, 50 blooms, distinct from other entries, was won by Cottage Gardens Co. with Lieut. Peary.

John Robertson's prize of \$5 in cash for the best 25 blooms of Winsor, distinct from other entries, was won by Cottage Gardens Co. with Winsor.

J. J. Harty's silver cup to the exhibitor making the largest display, all vases in all classes being counted as part of this display, was won by the Chicago Carnation Co., Joliet, Ill.

Z. D. Blackstone's prize of \$10 in gold for the best 50 blooms of white carnations, distinct from other entries, was won by Chicago Carnation Co. with White Perfection.

C. A. Goldsmith, jeweler, prize of a cup or stein for the best 50 blooms of red, new or standard variety. Vases for this prize not to be entered in any other class. Red meaning Beacon, Victory or Craig shade of red. The above prize was taken by Cottage Gardens with Beacon.

W. J. Vonderheide silver cup for a vase of 100 blooms of the best carnation to be disseminated for 1908, was won by R. Witterstaetter with Afterglow.

January 29, Morning Session.

The meeting this morning opened at 10:30 o'clock and was largely attended. Dr. B. T. Galloway, Chief of the Bureau of Plant Industry, Department of Agriculture, Washington, D. C., talked on the subject of "Experiments in Carnation Growing by the Department." A summary of his remarks is given in another column.

Considerable discussion followed, the principal points brought out being that by force of circumstances the Department had to use horse manure, although cow manure would be preferred, if available, and doubtless would give equally satisfactory results. Dr. Galloway said that bone, which was a costly commercial fertilizer, had been found to be injurious to certain plants. Asked in regard to the use of hardwood ashes, the doctor said this was not a commercial fertilizer, but more of a natural manure, and when used with caution in certain soils, could be recommended. Potash was better than hardwood ashes in giving a stiff stem and a flower that would stand up longer.

As regards soil, in answer to a question by Peter Fisher, Dr. Galloway said the Department soil was somewhat stiff, containing from 15 to 25 per cent. clay. There was a great deal more in the gray matter of the man handling the plants than in the question of soil.

It should be understood that by obtaining a soil as nearly as possible adapted to the needs of certain plants, the grower would be relieved of a great deal of detail. Sandy soils are apt to give a shorter growth and a shorter stem to the plant than heavier soils; the former do not contain as much moisture. Light sandy soils are more improved by the use of a fertilizer, like bone, than are clay soils; and a greater injury from an excessive use of bone to the latter would be likely to result than from its application to sandy soil.

The Department uses from 4 to 5 inches of soil, planting in the beds from the first to the tenth of April. It was necessary to get the space for other kinds of stock. Commercial growers, in order to plant out in the field in June or later, could carry the young stock in 3½-inch pots till that time.

Professor Galloway, in reply to a question, said he would prefer to use sheep manure in a liquid form, in which state it was a pretty good thing. He did not consider steaming the soil of any advantage, because in that process desirable manurial properties were thereby destroyed.

In answer to President Lemon as to the use of Bordeaux mixture with soap added, in interfering with propagation by cuttings, Dr. Galloway said he had no experience along that line. The use of a perfectly neutral soap could not in any way injure the cuticle of the foliage. Such a soap is effective as an insecticide. Ivory soap, about half a cake, dissolved in a gallon of hot water, added to about 20 gallons of Bordeaux mixture, sprayed in solution over the foliage, was more effective than Bordeaux mixture alone. Castile soap was an effective remedy against red spider, and is not injurious to the plants. It also does not discolor the flowers of either roses or carnations.

In the case of neutral soap against red spider, Dr. Galloway said that Ivory soap could be shaved by either a hand plane or a knife, then dissolved in a gallon of boiling water, to which could be added about four gallons of warm water, making a five-gallon solution, costing about five cents. This could be applied by a small hand force pump through about 15 or 20 feet of one-inch hose, through a Vermorel nozzle. This would cover the foliage entirely, and was death to old and young red spider, also killing the eggs. It could be applied every ten days. This had been found effective against red spider on cuttings. Of course, the pest could be held in check by the forceful use of clear water alone; but the spray recommended was more satisfactory, and the plants could be syringed with clear water in an hour or an hour and a half afterward. Syringing was not done for the purpose of removing anything that would be supposed to be injurious to the plant, but to wash off dead and dying insects. Once they are forced to the ground the pests do not seem able to get back on the plants. Hydrocyanic acid gas will not eradicate red spider; they revive from its effects in a short time. The solution, coming in contact with the body, draws from it the oxygen therein, with which the insect seems to be well furnished, closing also the external orifices, thus rendering the insects unable to breathe. A fine cut cake of neutral soap was all that was necessary to make the solution.

In replying to a question by William Swayne, Dr. Galloway said he had never used sterilized soil in carnation growing, but had done so in the case of other plants with beneficial results. For instance, with violets, sterilized soil had given a large vegetative growth but few flowers. This kind of soil had a tendency to bring about a large production of leaves and a lack of blooms. The experiment had not been carried to a finish, but it seemed as if sterilized soil had some connection with the presence or absence of nematodes on the roots. When the soil was sterilized there were no nematodes and the reverse was the case with soil not so treated. As a good remedy for the nematodes the professor recommended hard freezing of the soil in winter.

A hearty vote of thanks was tendered the doctor for his interesting and instructive remarks.

Next Meeting Place.

There was a good deal of enthusiasm displayed in the selection of the next meeting place. Pittsburg and Indianapolis each had its advocates, and when the votes were counted by the tellers—A. P. J. Baur and Fred

Burki—it was found that 83 votes had been cast for each of the cities. The matter was finally decided by the Pittsburgers, through Mr. Craft, of Monongahela, Pa., moving for unanimous selection of

Indianapolis in 1909.

The motion passed with acclaim. Pittsburg expects the convention in 1910, and will likely get it.

Quite a discussion ensued on the make-up of Class I; in the premium list, wherein several individual varieties are specified, a desire being expressed by some to adopt the same plan as in Class A, where the color classification only is employed. On motion of Mr. Rudd, the matter was referred to the board of directors with the suggestion that Class B, as specified in the present year's list, be repeated with such variation as the directors may deem best in the circumstances.

President Lemon announced that the delegates would be received by President Roosevelt at the White House on Thursday at 2:30 p. m.

The meeting then adjourned.

Evening Session, 8 P. M.

At the opening of this session, and after the secretary had read some supplementary reports, Mr. S. S. Skidelsky read his paper on "What the Grower Should Expect from the Introducer of a New Novelty"; this very interesting essay appears in another column. It was discussed by Messrs. Burki, Pierson, Rudd and others. Mr. Burki thought that introducers should not be held responsible for the behavior of novelties after leaving the place of origin. He condemned high pressure propagation and urged dissemination of well-rooted, healthy cuttings. Mr. Pierson recommended thorough test before dissemination and greater attention to the productive qualities of novelties in reference to their suitability as fancy exhibition sorts. He favored indoor culture and spoke of the general good quality of the new introductions. Mr. Rudd caused some merriment by repeating the statement of a large buyer that he expected nothing of the introducer, and another remark by one originator that his greatest expectations were for buyers to pay their bills. The introducer of a novelty who does not belong to the Carnation Society, and does not exhibit at their annual meetings for critical inspection, should expect nothing from the buyer. The latter should, however, get a fair deal, but should not himself overpropagate the cuttings he purchases. He did not believe there was any intention on the part of the introducer to deliberately swindle the buyer, and he condemned the practice of originators who should know better than to send out inferior sorts. A certain percentage of cuttings will be defective under the most favorable circumstances; this should be figured in with the loss.

Mr. Washburn of Chicago recommended that the society should keep a record of novelties from the date of origin to introduction by means of visits of inspection and the distribution of reports to members, who should be taxed for this information at the rate of \$1 per 1000 plants purchased.

Mr. Pierson thought that too pessimistic a view of the situation was being taken; the past ten years had shown wonderful progress; the failures had been exaggerated and not sufficient thought given to the successes.

A paper by Irving Gingrich, South Bend, Ind., entitled "Cultural Methods for Carnations," was then read by J. H. Dunlop. This paper appears on page 152.

W. N. Rudd called attention to the forthcoming national flower show at Chicago, and asked the co-operation of the Carnation Society in looking after carnation interests at that exhibition. The Horticultural Society of Chicago offers \$500 in medals and has gone on the guarantee list for \$1000. The total premiums for this exhibition are now over \$12,000.

W. F. Kasting, of Buffalo, said the show would be held in Chicago from November 5 to 15, 1908. The amount now guaranteed was \$12,500. He urged carnation growers to make exhibits and asked the society to nominate judges for the carnation classes there.

On motion of Mr. Pailledouze, the society voted to offer its gold, silver and bronze medals for the Chicago exhibition. Mr. C. W. Ward undertook to defray the expense if the society funds would not allow of these donations.

A vote was passed to change the Lawson medals to those of the American Carnation Society; also, that the society's regular judges act officially at the National Show.

The flowers on exhibition were given to the public on Wednesday night.

Thursday, January 30.

At the morning session the election of officers was held, with the following results:

President—M. A. Patten, Tewksbury, Mass.
Vice-President—A. P. J. Baur, Indianapolis, Ind.
Secretary—Albert M. Herr, Lancaster, Pa.
Treasurer—Fred Dorner, Jr., Lafayette, Ind.
Director—James S. Wilson, Western Springs, Ill.
Judges—Peter Fisher, Ellis, Mass.; William Nicholson, Framingham, Mass.

The committee on the president's address recommended that medals be collected on a separate class in Class A, instead of for separate competition. The motion was lost and the method of awards stands as at present constituted. This committee also recommended that no member of the society shall be charged any fee for certificate entries, nor for registration, but that all others be charged fees, as at present, the same to be collected in advance.

Also, that no variety be eligible for any competition unless it has been registered in proper form. Regular blanks, signed by applicants for registration, to be adopted which shall give name, parentage, date of first bloom, and a full description of the plant and flower. The term "large" and so forth to be stricken out and the actual diameter in inches shall be specified, and all superlative and laudatory adjectives be stricken out and the description confined to facts instead of to opinions. A committee also recommended that whenever a variety shall manifest superiority commercially and maintain such superiority for three or more years, the directors may recommend that the originator be given a special gold medal, to be called the "Medal of Merit." The committee has especially in mind the varieties Daybreak, Wm. Scott and Enchantress as examples; this award to be an evidence of true and established commercial value and not of mere prize-winning capacity.

A motion by Robert Craig that a separate and distinct name be given all sports instead of such designations as White Lawson, etc., was lost.

A motion that membership in the society be restricted to individuals, debarring firms, corporations or combination titles, was adopted.

A committee on final resolutions was appointed, consisting of Messrs. M. A. Patten, Wm. P. Craig and A. J. Baur. This closed the morning session. A later session was to open after the reception of the delegates by President Roosevelt, which would be devoted to the papers of Messrs. Ward and Norton, this being a joint meeting with the American Breeders' Association.

In the afternoon the delegates were received at the White House by President Roosevelt, who was at that time presented with a vase of carnations which were selected from the best of the displays exhibited.

Banquet.

On Thursday evening a banquet was tendered the delegates of the American Carnation Society and their ladies by the Florists' Club of Washington, at Raucher's Hotel. President Bisset, of the local club, presided. The menu was very much enjoyed and the list of toasts was as follows:

Our Country and President—Hon. Wm. E. Andrews, Auditor U. S. Treasury, Washington, D. C.
The American Carnation Society—President Fred Lemon, Richmond, Ind.
Washington: Our Capital—Hon. Robert N. Harper, President Washington Chamber of Commerce.
Agricultural Department—Prof. David G. Fairchild, Washington, D. C.
Horticulture—Robert Craig, Philadelphia, Pa.
The Horticultural Press—Wm. J. Stewart, Boston, Mass.
Our Guests—Wm. F. Gude, Washington, D. C.
The Ladies—Jos. R. Freeman, Washington, D. C.

American Breeders' Association.

The American Breeders' Association opened a three-day meeting on Tuesday, January 28, 1908, in the National Rifle Armory, Washington, D. C. The Hon. James Wilson, Secretary of Agriculture, who is chairman of the Association, was suffering from an attack of the grip, and was on that account unable to attend. Secretary Hays opened the proceedings. Charles Willis Ward, Queens, N. Y., was unanimously elected vice-president, succeeding the Hon. L. H. Kerriek, Bloomington, Ill., and took the chair.

An interesting address on Animal and Plant Introduction was read by David G. Fairchild of the Department of Agriculture, in which he advocated the establishment of ports of quarantine, fully equipped by competent scientists, where a thorough inspection could be made of all imported plants and animals. This inspection should be under the supervision of the government, which should be asked to appropriate the funds necessary to the carrying out of the work. The cost to the country, through the depredations of diseases and parasites on imported plants and animals, annually amounted to millions of dollars, and Mr. Fairchild thought much of this loss could be saved by the establishment of quarantine stations. His views were endorsed by Dr. Webber of Cornell and others, and the matter was left to a committee to formulate proper resolutions on the subject for presentation to the government authorities.

The joint meeting on Wednesday afternoon, under the auspices of the American Breeders' Association, was presided over by Mr. C. W. Ward. The following were among the papers presented: "Original Work among Native Roses," by W. Van Fleet, Little Silver, N. J.; "Report of Committee on Breeding Roses," by Peter Bisset, Washington, D. C.; "Development of the Humane or Resistant Character in Plants," by H. L. Boby, Fargo, N. D.; "Report of Committee on Breeding Carnations," by C. W. Ward, Queens, N. Y.

Experiments in Carnation Growing by the United States Department of Agriculture.

Dr. Beverly T. Galloway, Chief of the Bureau of Plant Industry, in his address before the Society called attention to the experiments and tests of various kinds connected with the growing of carnations which have been carried on by the Department of Agriculture for several years. He stated that the work had for its object the securing of information on the following points:

1. The relative yield and vigor of plants grown under glass all Summer as compared with plants of the same variety grown out-of-doors during the Summer season and moved to the benches in the usual way and at the usual time.
2. Fertilizer tests to determine the value of different fertilizers alone and in various combinations on vigor and yield.
3. A study of hereditary tendencies in so far as same may affect continuous vigor and healthfulness and yield.
4. The securing of new and desirable types by crossing.
5. A study of fundamental questions of breeding with a view to securing data that will be of value to carnation growers and others in the improvement of their crops.
6. A study of diseases and means of preventing the same.

Dr. Galloway took up the subjects in the order given, using a table or chart, large enough to be seen by all present, to illustrate the results of experiments conducted during the Summer of 1906 and the Winter of 1907, to determine the relative yield of field and indoor-grown plants. He explained how the experiment had been conducted, namely, that plants were propagated from stock of four varieties, care being taken to have the stock of as nearly equal vigor and productiveness as possible. Four benches in the greenhouse were given over to the work, each holding about 1000 plants, and the same were planted with stock from 3-inch pots, two rows the entire length of each bench being reserved for the plants grown out-of-doors. Dr. Galloway stated that the field grown plants were given the usual treatment and produced fair average growth, but were not as large as those grown on the benches when brought in in September.

He stated that the results, as shown by the chart, were, without exception, very much in favor of the indoor grown plants, in many cases the increase being over 100 per cent. He added, however, that while the results were so strikingly in favor of growing plants under glass the season through, from the standpoint of the Department, other considerations have to be kept in mind, such as the relative cost of the two methods, the production for an entire season, the utilization of the houses for other purposes, maintenance, etc., in determining which method to pursue.

The speaker also used the chart to illustrate his remarks upon the fertilizer experiments which the Department had carried on. He said that this experiment had been planned to bring out, if possible, the fact that growers as a rule are too prone to count on the value of commercial fertilizers in crop production, and he said he believed the results of the experiments would show that there is no fertilizer so good, reliable and sure as well decomposed organic manure—something which could be

secured anywhere in the country. He said, however, that experiments of this kind, to be conclusive, must be carried on for a number of years in various places. He cautioned the growers to go slow on commercial fertilizers and to put their faith and work into good composts.

He explained the work the Department had been doing in its study of hereditary tendencies in plants in so far as same may affect continuous vigor, healthfulness and yield. He said the question of whether there is true bud variation was still an open one, but that at the same time he did not think the importance and value of careful and rigid selection of stock could be questioned. This the Department has been doing and he stated it was his intention to continue this selective work for several years until the effects could be fully demonstrated.

The speaker mentioned the work the Department had been doing in the production of new types by crossing and referred to some of the crosses that might be seen in the greenhouses.

He said that Professor Norton, whose talk was to follow his, would explain in detail the fifth line of work, namely, a study of fundamental questions of breeding, which work he stated had been carried on by Professor Norton before leaving the Department.

Dr. Galloway now took up the sixth line of work that the Department had been conducting, namely, an investigation of the diseases of carnations. Among the diseases studied was the wet stem rot, due to Rhizoctonia, which he stated continues to be one of the most serious diseases with which the growers have to contend, but that it could be controlled by growing the plants in well drained and well aerated soil containing plenty of lime, and by avoiding mechanical injury to the plants. He also mentioned the dry stem rot, a disease caused by Fusarium—one of the wilt fungi, and stated that the only remedy for this disease was to use sterilized soil and the liberal use of acid phosphate.

Two other diseases to which attention was called were the Macrosporium spot, which he said could be prevented by spraying with Bordeaux mixture, and the bacterial spot, a disease occurring only in wet seasons on the softer-leaved varieties. This disease he stated might be controlled by light syringing with a mixture of two parts commercial formaldehyde to 1000 parts water.

Dr. Galloway closed his remarks by assuring the Society that the Department was always at their service and with an invitation to its members to visit the Department greenhouses.

What the Grower Should Expect from the Introducer of a New Variety.

By S. S. SKIBELSKY, Philadelphia.

It would be hard to find in the history of floriculture another instance of the rapid strides and development of a flower to equal that of the carnation. The divine flower has indeed sprung into favor as if by magic wand. Unlike the short-lived chrysanthemum, or the queen herself—the rose—the carnation is pre-eminently the flower of the masses. It is grown everywhere, it is sold everywhere; the "curb merchant" no less than the "society florist" handling it in immense quantities.

More glass is going up, more carnations are being grown, and the demand continually is for still more. Nor is its popularity confined to our own borders. England, Germany and France depend upon our varieties; far-away Norway and Sweden grow them with success, and even darkest Russia, we are told, can do Mrs. T. W. Lawson, Enchantress and White Perfection well. Let us hope—and you will pardon my slight digression from the subject—that with the advent of Beacon there may come a light to brighten the hovels of the semi-civilized, wretched peasantry in the Czar's domain.

John Thorpe's Ideal Reached.

When John Thorpe, but a comparatively short time ago, predicted that our puny carnation of yesterday would attain the respectable size, by actual measurement, of four inches in diameter, there are many among us to-day who were inclined at the time to treat such prophecy with a four-inch grain of salt. That prediction of Mr. Thorpe's has come true nevertheless. We have practically reached the goal of our ambition. The four-inch carnation is here, and has evidently come to stay. Nor are we content to rest upon the laurels achieved. We are aiming higher and still higher. What was good enough a season or two ago does not satisfy us to-day. We must have something better. It won't do to stay the march of progress or to check the course of evolution. Aside from the size of the bloom itself, we must have also stem—a long and stiff one at that. We must have a carnation with a non-bursting calyx, of good color, good keeping qualities and last, but by no means least, we insist on varieties that will produce the flowers and yield us dollars and cents—"bread and butter" carnations, if I may borrow the stereotyped description now and then applied to varieties which do not pay for the bread, let alone the butter. It is not my intention, however, to point out any particular varieties, nor do I wish to call to the bar of the grower's opinion any of the introducers of the "bread and butter" sorts—the kinds that never paid for either the bread or the butter.

Introducers Honest and Honorable.

I am rather inclined to the belief that the average introducer of a new seedling is honest and honorable, that he means well, that his sole aim and object in introducing a carnation is to give satisfaction, that under all circumstances he aims to give the grower his money's worth. There have been some exceptions, of course, but this is another story, having no bearing upon the subject under consideration.

Why Worthless Sorts Are Introduced.

Granted then, that no fraud or deception on the part of the introducer is ever intended, the question arises, Why are worthless varieties thrown upon the market? Why indeed?

I shall attempt to answer this question, as I have studied it at close range, depending upon my personal impressions and observations, which, of course, are in no wise infallible. My observations upon numerous occasions lead me to the conclusion that there are some hybridizers who are inclined to be too optimistic, often being carried away, so to speak, by the momentum of their own enthusiasm. The man thus inclined makes his cross, selecting for the purpose sturdy and meritorious parents. The result, he takes it for granted, must be highly satisfactory. I say "he takes it for granted" advisedly, because taking things for granted is a characteristic trait of the enthusiast. He watches the seed pod with all the care, hope and love which a young mother bestows upon her first born. To be sure, he reasons something good must result. A chip off the old block is an asset not to be despised. In course of time the seedling or seedlings appear. Out of a dozen or more "uncertainties" the one looking the most promising is selected and duly labeled. No sooner does the bloom break through the calyx than the plant is chopped down, literally hacked to pieces, in order to get all the cuttings, good, bad and indifferent, that it may yield through and beyond the season. The vitality of the "promising one" is thus impaired at the very outset of its ephemeral career. The season following it still looks promising, although the calyx is somewhat inclined to go asunder, nor is the stem strong enough to sustain the weight of the bloom or the bunch of petals. The season, of course, which happened to be either too dry or too wet, is accountable for that. Perhaps a little overfeeding did the mischief, maybe a degree or two below or above the temperature required to suit its delicate constitution. To be sure, there are numerous reasons for its misbehavior, but no matter, where there is life there is hope. A second massacre is

CARNATION EXPERIMENT																							
TABLE SHOWING NUMBER OF BLOOMS AND MARKET VALUE (NEW YORK PRICES), FROM OCTOBER, 1896 TO MARCH, 1907.																							
BENCH AND VARIETY OF CARNATION	SOIL COMPOST*										FLATS SOIL COMPOST*												
	A NO FERTILIZER	B UNSLALED LIME	C STEAMED BONE	D LIME & BONE	E COMPLETE LIME & FERTILIZER	F COMPLETE COMPOST FERTILIZER	G NO FERTILIZER	H UNSLALED LIME	I STEAMED BONE	J LIME & BONE	K COMPLETE FERTILIZER	L LIME & COMPOST	—TOTALS— BLOOMS & VALUES										
	BLOOMS	VALUE	BLOOMS	VALUE	BLOOMS	VALUE	BLOOMS	VALUE	BLOOMS	VALUE	BLOOMS	VALUE	SOIL	SOIL	TOTAL								
BENCH NO 1 ENCHANTRESS	346	2452	655	1943	767	2157	785	2214	762	2162	728	2063	683	1798	774	2101	698	718	795	4711	4385	8096	
77 PLANTS PER PLOT																							
BENCH NO 2 LAWSON	782	2117	739	2074	810	2146	772	2108	814	2146	688	2208	711	1888	688	1924	694	722	678	4600	4181	8781	
88 PLANTS PER PLOT																							
BENCH NO 3 PEARY	644	1788	656	1826	687	1895	653	1815	712	1972	633	1882	628	1716	648	1816	616	635	708	3885	3918	7803	
77 PLANTS PER PLOT																							
BENCH NO 4 ROBY CRAIG	606	1721	632	1756	690	1843	570	1558	574	1609	582	1603	493	1332	484	1418	518	558	572	606	3654	3232	6886
88 PLANTS PER PLOT																							
														TOTAL BLOOMS			TOTAL VALUES						
														16350			15716			32666			
														46515			43357			89872			

COMPARATIVE PRODUCTION: A PLANTS GROWN UNDER GLASS, & B PLANTS GROWN IN FIELD ALL SUMMER														
FIGURES SHOW NUMBER OF BLOOMS PER 22 PLANTS DURING JAN., FEB., AND MARCH, 1907.														
	A	B	C	D	E	F	G	H	I	J	K	L	TOTAL	
ENCHANTRESS	175	192	138	165	167	163	162	144	178	148	155	162	162	
	86	84	38	100	97	83	67	67	81	79	82	70	70	
LAWSON	154	151	171	151	181	142	140	153	123	190	153	149	149	
	54	48	48	60	61	70	76	68	80	63	60	54	54	
PEARY	133	135	139	150	173	164	164	161	159	156	151	164	164	
	80	47	59	32	47	50	36	64	60	53	35	38	38	
ROBY CRAIG	138	152	164	129	133	138	122	122	128	138	135	147	147	
	51	48	50	63	60	51	42	38	39	31	50	40	40	

* NEW YORK PRICES PER 100 BLOOMS AS FOLLOWS: OCT. 1.90, NOV. 2.00, DEC. 3.35, JAN. 5.50, FEB. 3.00, MARCH 2.50
 † 1 PART 1/2 PARTS SOIL AND 1 PART MANURE

in order and the plants are propagated to the limit. Cuttings are taken regardless of their condition. It won't do to "put off" when the growers are so much in need of a good white, a good red or a good pink, and, incidentally, when there is a fortune in sight.

The Grower's Expectations.

The question what the grower should expect from the introducer of a new carnation is rather a perplexing one and is not so easily answered as one might expect. Our ideas of the fitness of things are so much at variance with local conditions and local requirements that it would be practically impossible to set up a standard with a view of insuring general satisfaction.

In one of the November issues of Horticulture John Thorpe, in his notes on the Chicago flower show, has this to say about the carnations which were on exhibition there. "Of new carnations in quantity very short, in quality never better. Rausers of seedlings are getting wise. It is not how many, but how few. Let this prevail, because the few have the best chance." Tersely expressed, but true. That the few of superior quality have the best chance is not to be denied. Yet, on the other hand, we must also not ignore the fact that while there are comparatively few growers ever in quest of "fancies" or carnations of quality whose products are sure to command the highest prices at all times—there are hundreds and thousands of others who are ever on the lookout for "the bread and butter sorts," whose local markets, either wholesale or retail, do not warrant heavy investments in "fancies," who in brief, must have carnations which, taking local conditions into consideration, will pay for the coal, the help, the interest on the greenhouse plant, and will leave a dollar to boot. It is the rank and file that is to be considered, the man who can no longer grow Mrs. Lawson or Queen, who is in want of something to take their places. A standard, therefore, to suit alike the successful growers in the vicinity of New York or Chicago and the man in the Dakotas is not to be thought of.

But what, after all, is the grower to expect from the introducer of new seedling carnations?

Coming to the point by the shortest possible route it begins to dawn upon me that there ought to be a sort of happy middle ground upon which both the grower and the hybridizer could meet for the purpose of advancing their mutual interests, for the purpose of adjusting differences, or overcoming prejudices and of facing conditions. If the one realizes the need of the other, in other words, if the introducer of seedling carnations will exercise the most scrupulous care in behalf of the "goose that lays the golden egg" and the grower in his turn will bear in mind that his very success, or the "golden egg" has been made possible by the men who have made hybridization their life study, who are sacrificing their time and their means in order to improve upon past achievements and thereby advance the interests of the carnation growers, if both, I say, could meet upon such ground, there surely would be no cause for disappointment or dissatisfaction. But how is this to be accomplished? Leaving the hybridizer's cause in the hands of Mr. Rudd, who, I am sure, will do ample justice to it, I will take up the grower's end of the question and will briefly outline his expectations from the introducers of new seedlings.

First.—The grower expects his money's worth. By this I mean that when he orders a batch of high-priced cuttings he expects and is fully entitled to high grade stock, cuttings that have been carefully selected and well rooted, rooted not by dint of the steam pipe at so many thousands per week, but by the natural process of keeping the feet comfortably warm and the hands cool, to insure vigor and health.

Second.—He expects from the variety just what it is represented to be. In other words, when a variety is a cropper it should not be represented as a continuous bloomer, that when its calyx splits at certain seasons or under certain conditions that fact should be brought to the surface regardless of losses or gains.

Third.—He expects the benefit of the introducer's experience without paying an additional price, often a heavy one, for the experience himself. By this I mean that when a seedling has been thoroughly tested and its requirements and peculiarities studied and recorded, the introducer is morally obliged to give the grower the benefit of his own knowledge and experience. The grower is entitled to such information and it should not be withheld from him. A printed slip bearing all the cultural notes about the variety introduced should accompany each and every shipment. And

Fourth.—The grower expects a "square deal." By this I mean that no carnation, no matter what its previous record, no matter how many points it scored or how many medals were awarded it, unless it maintains its record in all its essentials up to the time and including the season of its dissemination, unless its vigor in nowise impaired, should see the light of day. The introducer must be absolutely certain on this point he must take nothing for granted, else the grower is sure to be a very much disappointed man.

The grower's expectations, it seems to me, are within the bounds of reason and need hardly be dwelt upon at greater length here. Let a condition of a thorough understanding and most scrupulous honesty on both sides prevail and we will no longer hear about "gold bricks" and "suckers."

After all, there is a deal of truth in the old saw of honesty being the best policy. The most successful business men of to-day are those who pursue such a policy, whether it be in the dissemination of seedling carnations or breadstuffs. The child that burns its fingers fears the fire, so does the grower steer clear of the man who sells him a "winner" and gives him a "gold brick" instead. It is to our own interest, whether we be hybridizers, dealers or mere agents, to discourage worthless varieties; stamp them out, root, branch and all, if we wish to see the most important branch of our business thrive and develop without hitch or hindrance.

Carnation Breeding.

BY RICHARD WITTERSTAETTER, CINCINNATI, O.

Some sixteen years ago, when I first undertook the work of hybridizing the carnation, I had very little knowledge of Nature's law regarding the results to be expected from crossing the standard commercial varieties of that date, and concluded that experiments with a complete record of the parentage and the results were necessary as regards color, size, stem, form, habit, freedom, etc. I found, while we had some very good seedlings, that pointed up well in everything except color—which is a very important factor in a commercial carnation—that we got quite a few variegated, purples, and off colors, and very few identical to the parent color. I therefore concluded that it must be Nature's law in plant life, the same as in the human race, that blood would tell; and future breeding has been carried on with that point in view; namely, scarlets in a race by themselves, whites in theirs, and so on; always selecting for future work that which came nearest to an ideal as to color and commercial value.

Some have held that by following this method you lose constitution. We have proven this to our own satisfaction to be untrue, if a selection of vigorous parents is made for the work. This opinion may have arisen from the fact that a very brilliant scarlet has no vigor to back it up—our most vigorous scarlets being only a fair or dull red; and if a good constitution and a brilliant color are combined, the result is apt to be a slow and shy bloomer, not up to the commercial requirements. As most of my endeavors have been devoted to the scarlet race, amounting to about one-third of the number of seedlings raised, I have taken the pessimistic view that it would be an impossibility to produce a brilliant scarlet of free blooming quality backed up by a vigorous constitution. Of late years, however, I have observed that this will not be an impossibility.

In breeding for form we have always selected those that have reproduced themselves in that point for two or three generations, from one or the other of the parents; preferably the seed parent, and using the same as a seed parent.

In pink we do not hold so closely to the color line, but are very particular that whatever color is used is one of good, clear, strong and lively tone, not subject to fading into dull colors, or easily affected by the sun.

In breeding for size, we do not hesitate to use a small flowered variety as a seed parent, provided its progenitors of the first and second generations past were large flowered sorts; as a pollen parent likewise, if it has all the other attributes of a good commercial variety.

In breeding for stem and calyx, I like to select a variety that has inherited these good points from one or two past generations, with the bloom bordering on the semi-double, or not too many petals, to insure a good setting of seeds; also guarding against parents with flowers containing too many petals, as the result will be too many extremely double flowers with no calyx to speak of.

Constitution, next to color, is the most important factor of a commercial carnation, from a grower's point of view, and should be given the utmost consideration. The parents should be selected and bred to such varieties

as are noted for their growth and vigor. The grower, we believe, is entitled to give the best plants, and crossing should be done during the months of March and April when plants are making their most vigorous and rapid growth, meaning well-developed and ripened seed.

We sometimes question whether the condition and class of food with which we supply the mother plant at crossing and up to the time of ripening the seeds, is not responsible to some extent for our failures or successes, as the case may be.

Regarding any other points on hybridization, I might suggest a strong, well-rooted love for the work, uniring patience and perseverance, with a studious observation of the results, and a fair sized bank account at your disposal until your aim has been attained.

Among Those Present.

- Baird, A. F. J. Indiana, Ind. Ind.
- Baird, A. J., Erie, Pa.
- Baird, J. S., Philadelphia, Pa.
- Bartmann, John, Indianapolis, Ind.
- Bartmann, Mrs. John, Indianapolis, Ind.
- Barnes, John, Hoboken, N. J.
- Baehler, George, West Hoboken, N. J.
- Bailey, Albert, Maynard, Mass.
- Brown, H., Richmond, Va.
- Burke, Fred, Pittsburg, Pa.
- Buxton, Geo. E., Nassau, N. H.
- Coleley, J. F., Scranton, Pa.
- Connor, D. T., Philadelphia, Pa.
- Cook, Joseph W., Baltimore, Md.
- Crank, Wm. P., Philadelphia, Pa.
- Crill, Chas. S., Monaca, Pa.
- Dallelonge, Mr. and Mrs. Eugene, Flatbush, N. Y.
- Dale, E., Brampton, Ont.
- Donner, E. B., La Fayette, Ind.
- Dudley, C. P., Parkersburg, W. Va.
- Duggan, T. W., Brampton, Ont.
- Dundore, Lou Helen, Lancaster, Pa.
- Dunlop, J. H., Toronto, Ont.
- Eichholz, H., Waynesboro, Pa.
- Elverson, H. H., Pittsburg, Pa.
- Evans, John A., Richmond, Ind.
- Fancourt, E., Philadelphia, Ind.
- Fendley, W., Brampton, Ont.
- Field, H. W., Northampton, Mass.
- Fisher, Peter, Ellis, Mass.
- Fotheringham, J., Tarrytown, N. Y.
- Gryn, W. B., Lodi, Pa.
- Godlard, S. J., Frammingham, Mass.
- Gottman, A. J., New York.
- James, John, Bethlehem, Pa.
- Heacock, Jos. & Son, Wayne, Pa.
- Herr, A. M., Lancaster, Pa.
- Herr, Mrs. Albert M., Lancaster, Pa.
- Herr, Daniel H., Lancaster, Pa.
- Harvey, Edmund A., Grandview Summit, Pa.
- Howard, R. W., Chicago, Ill.
- Howard, Ray, Milford, Mass.
- Howard, W. P., Milford, Mass.
- Hurst, Edna, Lancaster, Pa.
- Irwin, R. J., New York.
- Jensen, J. E., Chicago, Ill.
- Kisting, W. F., Buffalo, N. Y.
- Knopf, Charles, Richmond, Ind.
- Krueger, Henry F., Meadville, Pa.
- Langhans, T. V., Pittsburg, Pa.
- Langjahr, A. H., New York.
- Lautenschlager, P., Chicago, Ill.
- Lawrence, W. J., Edlington, Ont.
- Leiker, E. E., Lansdown, Pa.
- Lemon, Fred H., Richmond, Ind.
- Leuly, E., West Hoboken, N. J.
- Maehius, W. R., Lock No. 4, Pa.
- Mahoney, G. H., Saco, Me.
- Matheron, M., Queens, N. Y.
- May, John N., Summit, N. J.
- McCormick, Thos., Baltimore, Md.
- McMannon, James J., Lowell, Mass.
- Meine, Wm., Richmond, Ind.
- Midgelev, L. C., Worcester, Mass.
- Mitchell, F. H., Waterville, Me.
- Mott, Walter, New York.
- Mason, W. J., Davisville, Ont.
- Nicholson, H. H., Elmwood, N. Y.
- Nicholson, Wm., Frammingham, Mass.
- Olson, Peter, Joliet, Ill.
- Patten, M. A., Tewksbury, Mass.
- Pairee, E. Alton, Waltham, Mass.
- Pearson, A. N., Cromwell, Conn.
- Pearson, F. R., Tarrytown, N. Y.
- Poehlmann, A., Chicago, Ill.
- Potter, H. P., Wilmington, Del.
- Pfyer, A. R., Joliet, Ill.
- Reimels, John, Woodhaven, N. Y.
- Reuter, L. J., Westervy, R. I.
- Reuter, S. J., Westervy, R. I.
- Rohrer, H. V., Lancaster, Pa.
- Rowlands, W. A., Erie, N. Y.
- Rudd, W. N., Chicago, Ill.
- Sybold, C. L., Baltimore, Md.
- Stock, Chas. H., Baltimore, Md.
- Sim, Wm., Clifton, Pa.
- Sinclair, G. H., Northampton, Md.
- Skidlsky, S. S., Philadelphia, Pa.
- Smith, Chas. E., York, Pa.
- Stevenson, Thos. C., Gettysburg, Md.
- Stewart, W. J., Boon, Miss.
- Stroud, Chas. S., Baltimore, Md.
- Stroud, E. A., Philadelphia, Pa.
- Subermister, E., Redville, Mass.
- Swaine, Wm., Kennel Square, Pa.
- Taylor, W. M., Northport, E. I.
- Thermy, Malcom, Highlands, N. J.
- Totten, T. J., Scranton, N. Y.
- Tranbly, F. H., New York.
- Vincott, J. M., and Mrs. R. Wm. M., Erie, Md.
- Walker, John, Youngstown, Pa.
- Walsh, Alex., New York.
- Warburton, C. F., Ill., Mass.
- Ward, C. W., Queens, N. Y.
- Weber, Chas. J., Larchmont, N. Y.
- Weber, Wm., Oakland, Md.
- Welch, P., Boston, Mass.
- Wilson, J. S., C. 2, Pa.
- Witterstaetter, Mr. and Mrs. R. C., Cincinnati, O.
- Wetland, John B., Erie, Pa.
- Young, John, New York.
- Zwiefel, N., Milwaukee, Wis.

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The American Rose Society.

Additional Prize Offers.

There is offered a silver cup, valued at \$25, by H. F.
Michell Co., seedsmen, Philadelphia, Pa., for 50 blooms
of Kate Moulton rose.

F. R. Pierson Co., Tarrytown, N. Y., offers a silver cup,
valued at \$25, for the best new rose not in commerce,
nor yet exhibited before the American Rose Society.

There has been mailed to every florist or grower
located in Chicago, a copy of the schedule for the annual
exhibition.

August Poehlmann, Morton Grove, Ill., has been ap-
pointed chief of the executive committee to represent the
American Rose Society on the spot.

Any entries, prizes or other matters of interest should
be forwarded to the secretary of the Society.

Fishkill-on-Hudson, N. Y. BENJAMIN HAMMOND.

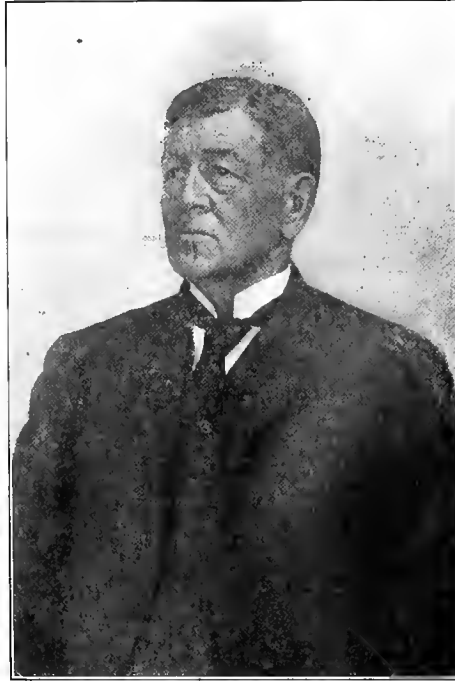
American Nursery Company.

In the Nursery Department of this week's issue will
be found an interesting notice of a new incorporation.
This comprises the amalgamation of three separate and
established nurseries, with Fred'k W. Kelsey, of New
York, as president; Theodore Foulk, of Flushing, N.
Y., as vice-president, and William Fomer, of Spring-
field, N. J., as vice-president and treasurer. All the
officers of this new incorporation are well and favorably
known in business circles and, without doubt, this new
association will have a leading effect on the nursery
business locally as well as nationally.

THE AMERICAN BREEDERS' ASSOCIATION is planning
the publication of a periodical to be entitled, prob-
ably, the "American Breeders' Magazine," which
will be sent to all members of the association, and
which will contain the most up-to-date, interesting
and practical material bearing on the improve-
ment of animals and plants by breeding. It will be
an entirely public enterprise devoted to breeding
interests, none of the officers having any present
or prospective money interest in the venture.

Marcellus A. Patten.

Marcellus A. Patten, president-elect of the Ameri-
can Carnation Society, was born in Lowell, Mass., in
1849, and attended the grammar and high schools of
his native town. He chose the calling of a florist
and worked for some time with William H.
Spooner, Brighton, Mass., and Wieland Brothers,
Cambridge, Mass. He started in business on his
own account at Lowell, and remained there for
some time, removing about twenty years ago, to
Tewksbury, Mass., where he now operates a green-
house plant of considerable size under the firm
name of Patten & Company, in which he is assisted
by his son, Wilbur F.



President-Elect, M. A. Patten

Mr. Patten has always been interested in carnations and has originated several good seedlings, one of the best known of which is a variegated sort named Mikado. He is a frequent and successful exhibitor at the shows of the Massachusetts Horticultural Society and the American Carnation Society.

The president-elect is much esteemed in his locality. He was vice-president of the Gardeners and Florists' Club of Boston in 1906. He is an earnest worker along progressive lines, and the American Carnation Society is to be congratulated on its excellent selection of a presiding officer for 1909.



A. F. J. Baur, Vice-President-Elect

Vice-President-Elect A. F. J. Baur.

A. F. J. Baur, Indianapolis, Ind., the newly elected vice-president of the American Carnation Society, was born at Pittsburg, Pa., on January 9, 1876. At the age of thirteen he entered the employ of F. Morat's Sons, florists, Louisville, Ky., leaving there after two years' service, to enter the employment of E. G. Hill, Richmond, Ind. Here he remained five years, taking especial interest in carnations and exhibition chrysanthemums. He then spent two and a half years in other commercial establishments to round out his general horticultural training. In 1899 he started in business with F. S. Smith at Indianapolis, under the firm name of Baur & Smith, in which he is still engaged.

Mr. Baur has made a specialty of raising new carnations and has originated several worthy novelties. He is a contributor on the subject of carnation culture to the trade press. Mr. Baur is a hustling gentleman, and will be a tower of strength in connection with the meeting in his home town next year.

S. A. F. Registration Matters.

Editor Florists' Exchange:

I am glad the hydrangea registration incident is closed so far as you, and I hope all others, are concerned. Give us instead a little more of Job, Esler and company.

While registration was more or less of a farce under the regime of the ex-secretary of the S. A. F. O. H., I do not believe any blame rests upon him in the hydrangea case in question; he accepted in good faith the request to register the old plant under what I believe is a new name. But he has been fooled before. See page 162 of the 1903 report of the national society where is registered "Zonal Geranium Double Dryden (Eichholz)"; and page 181 of the 1906 S. A. F. report, where is registered "Zonal Pelargonium Double Dryden (Hill)." Now the question arises: What is a zonal pelargonium and what is a zonal geranium? Let the authorities speak.

REGISTRATION.

[The "Zonal Pelargonium Double Dryden" is not included among the plants registered, but among those introduced in the year to which the report in question refers.—Ed. F. E.]



Simon Held, Sr.

Simon Held, Sr., aged 79, a well-known gardener of Pittsburg, Pa., for many years, died January 19, 1908, of la grippe, at the Home for the Aged at Fair Oaks, where he had been living for several years. He was born in Westphalia, Germany, and went to Pittsburg 25 years ago, engaging in gardening. Owing to his failing health he was compelled finally to go to the home at Fair Oaks. He was a member of the Smithfield street German Evangelical Church. He leaves a widow, two sons and three daughters.

Gustave Wittbold

Gustave Wittbold, of the Geo. Wittbold Company, Chicago, died at his home in Chicago on Friday, January 24, of pneumonia, after an illness of only nine days. Mr. Wittbold was born July 11, 1871, in Chicago, and received his education in the local schools. At an early age he joined his brother Henry in the management of the latter's retail florist's business at 512 North Clark street. When this store was consolidated with the old established store of George Wittbold, the father, on Buckingham place, at the time of the formation of the Geo. Wittbold Co., the deceased assumed the management of the retail departments of both stores, which position he held at the time of his death. Mr. Wittbold was of a very retiring disposition, his entire time being divided between his business and his home. He belonged to no social or other organizations, being quite satisfied to enjoy a simple and happy home life to the extent of his leisure. Personally he was well-liked and respected by all who knew him. The funeral was held on Monday, January 27, and interment was made at Graceland cemetery, the services being held in the chapel there. He leaves a widow, and two little sons, the elder seven years, and the younger eight months. He was one of five brothers, all connected with the business, and the brothers, with their father, feel keenly their loss.

The late J. F. Noll, to whom we referred in our obituary column last week, was born at Myerstown, Pa., and not at Morristown, Pa., as there stated. At the time of his death he was a member of Kane Lodge F. and A. M., and also of the Royal Arcanum.



Mrs. C. W. Ward

Winner of the Bronze Medal of the A. C. S. Growers, Cottage Gardens Co.

AMONG THE GROWERS

John Marshall, Newport, R. I.

A look in at John Marshall's greenhouses the other day found him absorbed in the work of grafting Marechal Niel roses on multiflora stocks; there seemed to be about fifty in the frame where the grafting was then done. In another frame in the same house there were to all appearances a like number of grafted plants which had been done about six weeks ago; every one, or I should say, every cion and stock had united successfully and growth was proceeding. A few years ago Mr. Marshall had a large number of Marechal Niel in bloom in pots at Easter, for which he found a ready sale.

The carnations here looked healthy and gave promise of large cuts in the near future; several seedlings of Mr. Marshall's raising are grown and carefully watched. He is the kind of man who never jumps at hasty conclusions even when his own carnation seedlings are concerned. He grows a limited number of Winsor and his opinion of that variety is about as limited, relatively, as the number of plants.

Roses happened to be a little off crop when I was there, otherwise they looked in very fit condition.

A very profitable item Mr. Marshall has found in a

batch numbering five or six hundred *Cypripedium insigne*, the flowers of which sold readily at not less than ten cents each. The nature of some of the building, still standing on this place makes it necessary to grow many kinds of plants and other products in order to make the whole pay. For instance, there is one house in such a condition and so constructed that it is with difficulty the temperature can be held higher than 40 degrees in very cold weather; that house will be utilized later for bedding plants when potted up. Another large house will be planted with tomatoes for the Summer market in Newport, still another may be devoted to melons for the same market.

A large number of very thrifty young gardenia plants filled three or four frames in a lean-to house; a certain proportion of the lot will be in a week or so planted in benches for Summer flowers, the remainder being offered for sale to others having the same end in view.

Mr. Marshall has not found a good demand for *Primula sinensis* this Winter; the character of the stock could not be the cause. *Primula kewensis* is grown here in limited numbers, also; as a seller it has not been anything to brag about. D. M.

Orchid Culture In Chicago.

George Reinberg of Chicago may justly claim the honor of being, from a commercial standpoint, the pioneer orchid grower of the West. A house, 265 by 25 feet, was erected last year for orchid growing, and the first stock arrived about the middle of April, some 1,500 plants, nearly all cattleyas. The plants were of the grade known as "established," that is, ready for flowering. Through careless handling on the part of the railroad this initial shipment was badly injured by frost, and a loss amounting to fully two-thirds of the shipment has resulted, the portion saved being now in process of recovery. Other shipments followed, until today there is a stock of about 4,000 plants in the house, including *Cattleyas labiata*, *Triana*, *Mossiae*, *Schroderae*, *Persevaliana*, *Mendelii*, and *Gaskelliana*; *Dendrobium formosum*, *gigantum*, *Phalenopsis* and *Wardianum*, and *Oncidium varicosum* Rogersii.

An excellent cut has been obtained from the house during late Summer and Fall, but at the present time few flowers are in evidence. *Cattleya Schroderae*, however, looks very promising for an excellent crop at Easter, and early flowers will be taken long before that season. A few *dendrobiums* are still being cut.

The accompanying illustration shows the method of growing cattleyas adopted at the Reinberg establishment and with excellent satisfaction. Stages of cypress are built in triangular form, the sides much steeper than the slope of the glass roof; these stages are latticed substantially, and the plants affixed to the latticing, with pent for roofing material. Excellent drainage and aeration is thus afforded. Forming the base of the triangle on each stage is a bench holding a supply of moss, which becoming water soaked, supplies plenty of moisture. Ventilation is obtained from overhead ventilators, but side ventilators are soon to be added. At present there is considerable space between plants, but new stock is continually arriving, and easily accommodated. The house is heated by steam from the heating system of the range of houses, end mains of 2½ inch pipe, with leads of 1¼ inch pipe. With the extensions contemplated, the orchid department of the establishment is likely to become a leading factor in the orchid supply of the West.

Adjoining the orchid house is a house of sweet peas, well grown, and in splendid crop.

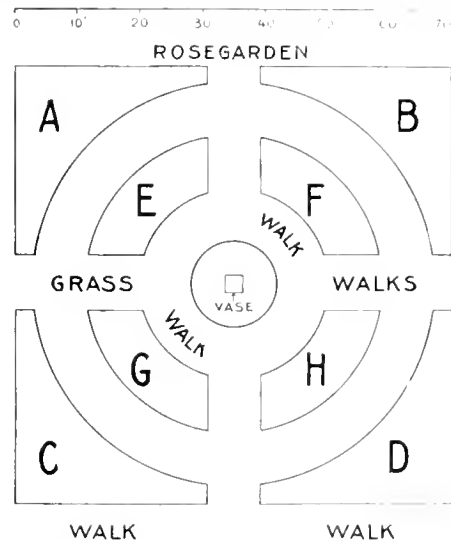


Climax. Seedling No. 110

Growers, Wu-No-Kin Greenhouses, Elmwood, N. Y.

Plan for a Rose Garden.

The accompanying illustration represents a rose garden near Philadelphia, which will be properly drained, the soil is loamy, not heavy. The bed is 70 feet square, and



is to be surrounded by a hedge. What arrangement do your readers consider best, using any desirable variety? Penna.

A. E. WOHLERT.

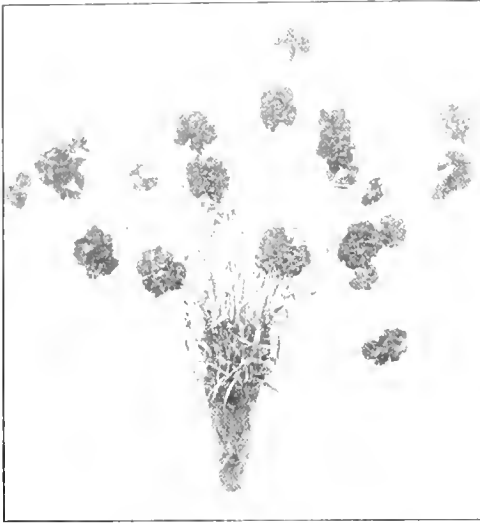
We should like to have expressions of opinion on this subject from our readers, and hope the responses to the inquiry will be numerous.



Partial View House of Cattleyas.



Partial View House of Sweet Peas.



Scarlet Carnation Andrew Carnegie.

Growers, Chicago Carnation Co., Joliet, Ill.

which are 300 ft., twelve 200 ft., two 100 ft., and two 150 ft. long. All are utilized for carnations, with one exception, a 300 ft. house planted with Killarney, Bride, Bridesmaid, Richmond and Mme. Chateaux roses, and which presents a fine appearance; the roses are grown for the company's retail store requirements.

Attraction centers on the new scarlet carnation, Andrew Carnegie, now being disseminated from the establishment. One of the 200 ft. houses is benched with this sort, 10,000 plants in all. It is a sport from the Harlowarden, with a stem even stiffer than that of its parent. It appears to be very free in its flowering, and is erect and clean in its growth. Every shoot produces a flower, and signs of splitting seem to be entirely absent. It comes into crop early in October and continues throughout the season, furnishing a daily cut. Flowers with 30-inch stems were plentiful in October. The calyx is well formed, and of good substance. As a shipper and keeper it is highly esteemed. In color it is particularly bright, without a tendency to fading. The flowers are of large size, specimens 4 inches in diameter being quite numerous.

Aristocrat is very prominent, filling several houses, and it evidently fulfills all the claims made for it. Naturally, in this establishment, its home, one would expect to see it at its best, and it certainly could not appear better than now. The benches are a mass of bloom and the commercial qualities of the variety are remarkably demonstrated. A house which has been in cut since July is still producing quantities of flowers.

Welcome, a deep pink, is something of a favorite, and



Wa-No-Ka. Seedling No. 14.

Growers, Wa-No-Ka Greenhouses, Barneveld, N. Y.

Society American Florists.

Change of Rose Name.

Paul Nichoff, Leighton, Pa., desires to change the name of his pink rose registered as Aurora to Mrs. Mary Nichoff, as he learns that there is a European variety bearing the former name.

W. N. Rubin, Secretary

National Flower Show Premium List.

The premium list for the National Flower Show is now in press and will be ready for mailing on February 15. Many changes have been made in the list originally published in the trade papers and the same has been largely increased.

It is believed that the complete list carries the largest amount in premiums, medals, cups and trophies ever offered at any floricultural exhibition at any time. Suggestions for premiums have been made and revision of all or parts of the list by about one hundred individuals and firms, and it is hoped that in the form in which it will appear on the above date all classes of exhibitors will be found amply provided for.

It should be noted that the suggestions made to the committee, if all had been carried out, would have required over five times the large sum of money which was available. This condition, of course, made it necessary to strike out many desirable suggestions. All suggestions, however, were given equal consideration on their merit without regard to the names of the persons making them.

Copies of the list may be obtained on application to J. H. Burlett, secretary, 1411 First National Bank Building, Chicago. W. N. Rubin, Chairman.

The Chicago Carnation Co., Joliet, Ill.

The establishment of the Chicago Carnation Co., at Joliet, Ill., is of great interest to visitors just now, many of the varieties of carnations grown there appearing at their best. The ranges comprise twenty houses, four of



Scarlet Carnation, Andrew Carnegie, Showing Growth.

Chicago Carnation Co., Joliet, Ill.

is liberally benched. It is a variety of the Mrs. T. W. Lawson order, and very similar in color. It is, however, liked much better than that variety, proving more vigorous in its growth, and much healthier. It appears to develop its flowers much more quickly and as a continuous bloomer would seem hard to beat.

There is a half house of Daybreak Lawson, a variety which resembles Enchantress, but produces flowers with a better stem and is said to be more productive.

A house of Rose Pink Enchantress looks in good crop, notwithstanding a very heavy cut this season. Winsor is another pink variety which appears to do very well here. It is given a benching of about 4,000 plants, and figures very prominently in the propagating house.

The principal white varieties grown are White Perfection and White Enchantress. The former is in grand shape, the flowers running to very large size. The latter is in excellent crop and the flowers are particularly pure in color. Victory and Red Chief are prominent among the scarlets, as also is Beacon. Red Chief is liked for its extremely free flowering habit, but the flowers are very small. Imperial and Pink Imperial are also grown to a small extent.

The propagating house is working to its full capacity at this season, and is filled continually with cuttings in various stages. The house presents a decidedly healthy appearance, and is an important feature of the establishment.

J. H. P.

Carnation Seedlings at Wa-no-Ka Greenhouses.

CLIMAX is a beautiful, well made pink, a marvel in color, being a shade or two deeper than Enchantress, and a color long desired by the growers and the public. The color is permanent and does not fade. The flowers do not have the irregular form of Enchantress, are borne on long, stiff stems and are very fragrant; they average the season through, 3 inches, and from December to April are 3½ inches and over. They come very early, and with us the plants yield more per season than those of any other light pink variety, Enchantress included. The calyx is remarkably strong and seldom splits. The flower is an excellent keeper and ships admirably well. It does best grown in night temperatures of 48 to 50 degrees. This variety will be disseminated during the season of 1908-10.

WA-NO-KA is named from the India word, Wa-no-Kah, meaning, "Just one of its Kind." The flower is a superb, well formed and fragrant crimson, the plant being of remarkable productiveness. The blooms are borne on extremely long and heavy stems which never grow soft. It succeeds best in a night temperature of 50 degrees, but it can be successfully grown in a higher temperature if desired. The calyx never splits; the flowers average 3 inches, and are first-class shippers. This variety will be disseminated during the season of 1908-09.

APPLE BLOSSOM is a gorgeous, full white, with a delicate pink blending in the center of the flower, suggesting the delicate apple blossom of early Spring. Flowers are borne on long, stiff stems, making a grand display suitable for every purpose. The blooms are very fragrant, come early and are produced in great profusion through the season. The calyx does not split, and the flowers have excellent keeping quality and ship without difficulty or trouble. Best grown in night temperatures of 48 to 50 degrees. This variety is distinctly of the "bread and butter" sort, its prodigious blooming quality making it one of the foremost carnations of to-day. Flowers average 3 inches through the season. To be disseminated during the season of 1908-09.

Barneveld, N. Y.

WA-NO-KA GREENHOUSES.

CLUB AND SOCIETY DOINGS.

LENOX (MASS.) HORTICULTURAL SOCIETY.—The regular meeting of this society was held Saturday, January 18, President Jack in the chair. Percy Ellings was elected a member. The schedules for the August and Fall exhibitions were adopted as read. S. Carlquist was awarded a diploma for a fine vase of Celsia Arcturus. The annual banquet of the society will be held at the Curtis Hotel, on Saturday, February 15, and promises to excel anything ever before held by the organization. The fourteenth annual concert and ball was held in the Town Hall on January 22. This event is always looked upon by the people of Lenox as one of the chief attractions of the winter season, and the present affair proved no exception, fully two hundred couples participating in a very enjoyable evening. The committee of arrangements, of which H. P. Wookey was chairman, is to be congratulated upon the social and financial success attending its efforts. GEORGE H. INSTONE, Secretary.



Apple Blossom. Seedling No. 32.

Growers, Wa-No-Ka Greenhouses, Barneveld, N. Y.

Cultural Methods for Carnations

By IRVING GINGRICH, South Bend, Ind.

The subject of this paper is really one that should have been assigned to a grower of long and wide experience, as the writer feels that he is just beginning to learn something concerning the culture of carnations, his experience dating back only eight years; but during this time mistakes have been made that he has profited by and, if he can say something that will be of benefit to but one out of ten of the growers here assembled, he will feel well repaid for the effort. The writer will also endeavor to confine himself very closely to his subject, as any slight digression will make the paper entirely too long.

Beginning with the propagation of the carnation we may say that in this country the commercial grower has but one method, i. e., by cuttings. The specialist makes use of seed propagation to secure new varieties, but we will not discuss this method as the average grower cannot devote the time and attention absolutely necessary to success in this special field.

There exists a marked difference of opinion as to where and how to take a cutting and this subject received considerable attention at our Toronto meeting. There are, however, many present here who were not fortunate enough to be present at Toronto. At that meeting a discussion was raised as to what constitutes a top cutting, some being of the opinion that it was one taken rather high up on a flowering stem and others maintaining that it was the top taken out of one of the bottom shoots which would ultimately have become a flowering stem itself. The writer's own experience, supported by actual experiment, is that neither is an ideal cutting, the former soon sending forth a bud which, if removed, will send up four or five weaker buds and, if these are "stopped" or pinched back, the plant is gone; the latter sends up a rank growth which, on stopping several times, as the growths are ripe for the operation, produces a heavy but rather slow growing plant with plenty of foliage and few flowers. These statements must be made with some reservation as the writer has not had much experience with different soils and these exert a marked influence on the growth of the plant.

A heavy, rich soil might produce a fairly good plant from a "top side shoot" cutting, whereas a light, quick sandy soil might have the same effect on the other. Our soil being a medium chocolate loam, with considerable silt in its composition and not overly rich, we much prefer a side cutting on a flowering shoot taken at one joint above and one joint below the usual point of cutting the flower. Cutting off the flower therefore requires some discretion as some varieties develop the cutting before the bud matures and some varieties do not develop the cutting until after the flower has been removed.

With us January and February are the best months in which to take cuttings though there are others who prefer March struck cuttings on account of the rapid growth made in their particular soil. Such slow growing varieties as Prosperity need to be taken in December to make profitable plants.

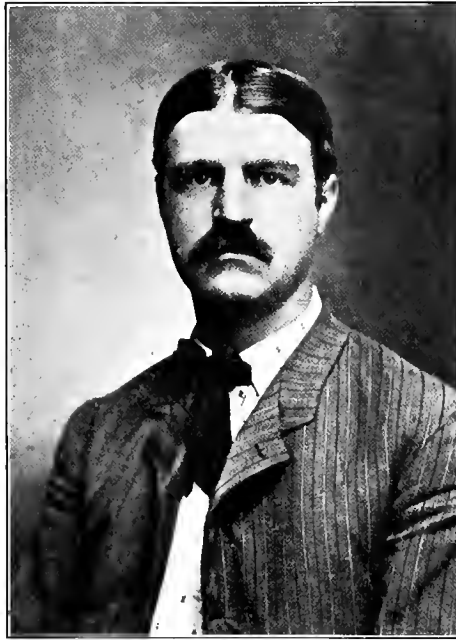
It matters but little whether the cutting is taken with a "heel" or not. If taken with a heel it is grasped firmly between the thumb and forefinger and severed from the stem with an upward and outward movement. This takes the leaf and part of the wood of the flowering stem with the cutting. The old wood is then cut off an eighth or a sixteenth of an inch from the end of the shoot and the cutting is ready for insertion in the sand. In March or later it is well to clip off the ends of the leaves to reduce the transpiration or loss of moisture. Cuttings not taken with a heel, and cut off at the base to any extent, should be cut slightly below a joint so that when the lower leaves are pulled off backward they strip off the outer bark, leaving the inner cambium tissue adhering to the wood. It is on this tissue that the roots form. Whatever may be the method of taking and trimming the cutting, the most important thing is its treatment after reaching the sand.

After trimming, the cuttings are given a "drink" by soaking for a half to one hour in fresh water to thoroughly fill the tissues and prepare them for the ordeal to come.

The best propagating bench is six inches deep, with a layer of brick on the bottom to distribute the heat and moisture evenly, and filled up with clean sharp sand. This is wet down and packed hard with a brick. Then wet again slightly, cut a crack in the sand with an old putty knife and straight edge. The rows can be two inches apart and three-quarters of an inch in the row or three inches apart and one half inch in the row. The cuttings should not extend more than one-half inch below the surface of the sand. After the cuttings are in, water with a sprinkling can or with the hose if you have it fitted with a sprinkler head. Syringe lightly for several mornings, then gradually let the sand dry out, always being careful, however, that the foliage is not allowed to wilt. During this period the cuttings are impugned of drafts and ventilation must be very carefully looked after as a trifle too much air may result in the loss of an entire crop of cuttings when all other details have been faithfully carried out. Direct sunlight

should not be allowed on the cutting bench, at least until the cuttings show signs of rooting, after which anything but midday sun will prove beneficial. The propagating house should be 45 to 50 degrees at night with 60 degrees in the sand. Some prefer to have no bottom heat, but we have had no success without it.

In three or four weeks the cuttings will be ready for planting out and for speed, and good results generally, we always plant direct to a bench in three inches of soil that is somewhat spent. If such soil is not available, mix enough sand with it so it will not be too rich, as a rich soil will cause considerable damping off. If so desired, they can be potted up in 2½ inch pots, using a heavy loam lightened with well decomposed leaf mould. They can be planted into the field without a shift and this ball of soil will remain intact when lifting time comes. December struck cuttings planted direct into a bench four inches apart each way, and January struck cuttings 3½ inches each way, can be planted in, without field culture, by June 1. But by all means plant out into the field all cuttings coming from the propagating bench later than the middle of February. If you can have your bench for young stock arranged to give a gentle bottom heat for a few weeks after coming from the cutting bench the plants will show grateful appreciation. This is not necessary but it is desirable. During this period weeding and stopping should be carefully attended to. We make it a rule to go over the young stock once a week regularly and then stop or cut back only those plants that are really ready for the operation. When a plant is ready for stopping it will be brittle and can be "snapped off" very readily, and this method cannot be too strongly advocated since the knife will carry disease from one plant to another. At this stage the plants are very tender and disease is most easily transmitted.



Irving Gingrich, Essayist

About May 1 the young stock is ready for the field. Benched plants can be taken up with a trowel with a good ball of earth slightly pressed together to keep it intact. Place in flats and take to the field. Let one man or boy distribute the plants about where they ought to go in (this can easily be determined from the adjoining row), and another follow with the trowel, with which he makes the hole with a single stroke, inserts the plant and presses firmly into place without dropping the tool. The rows should be sixteen to eighteen inches apart and from eight to ten inches in the row.

Weather conditions at this time of the year are uncertain and the work should be so planned as to get as many plants as possible out before a rain. In sandy soil without a bottom, and in dry seasons, a Witbold or Skinner watering system is very beneficial in the field. Neither is expensive to install and the benefits are out of all proportion to the cost of installation.

After the plants in the field become well established stopping should begin again and continue weekly to within a week or ten days of lifting time. Make free use of a hand wheel cultivator to keep the weeds in check and mulch the soil to conserve the moisture. If artificial watering has been resorted to, cease the operation long enough before lifting begins to ripen the growth.

In our locality, lifting begins from July 15 to August 1 according to the quantity of plants to be benched. At this time have a convenient number of crates, eighteen

inches wide and three to four feet long prepared. Spread the bottoms with one or two inches of wet moss to keep the roots moist until planted in. Two men with spades dig on both sides of the plant simultaneously and lift. A third shakes off the soil, inserts the roots in a bucket of water and places them in the crates with roots standing on the moss.

When the plants are lifted from the crates the roots are shaken out so they will spread, and a man on either side of the bench does the planting by making a hole with the hand or trowel, spreading the roots out evenly, bringing the loose soil around the roots, jumping the plant up and down gently to distribute the soil particles among the roots, and then firmly pressing in, leaving a shallow depression around the plant to receive the first few waterings. The plants should not, under any circumstances, be set lower in the bench than they were in the field; this will save many a loss by stem-rot. Care should also be taken to have the smallest plants on the south side of the bench and the largest in the center or north of the center of the bench. By Winter you will be able to distinguish but little difference in the size of the plants.

During the planting-in period the glass should be heavily shaded with a clay wash squirted on the glass with a syringe to cool the houses and prevent wilting.

And now let us take up a matter that has been omitted: the soil for the bench. If you can secure top soil from a pasture where the soil is loamy, and to the feeling "velvety," you have an ideal carnation soil. We do not mean to say that carnations cannot be grown on any other kind, for the writer has seen most excellent results secured from widely divergent textures of soil. We merely mean that the soil mentioned requires the least skill to get good results. When you have secured the soil remove four or five inches of turf, place in piles, grass side down, with one-fourth good cow manure during the Fall preceding the time wanted. Chop down and work over several times during the Winter and Spring, add a four-inch potful of air-slaked lime to one barrow of soil, run through a coarse mixer and it is ready for use. If this is impracticable, take any good loam that contains no decaying vegetation, work it over several times to germinate and kill the weed seeds it contains, and wheel on the benches after spreading one and a half inches well decomposed manure on the bench bottoms. Add the lime as with the compost.

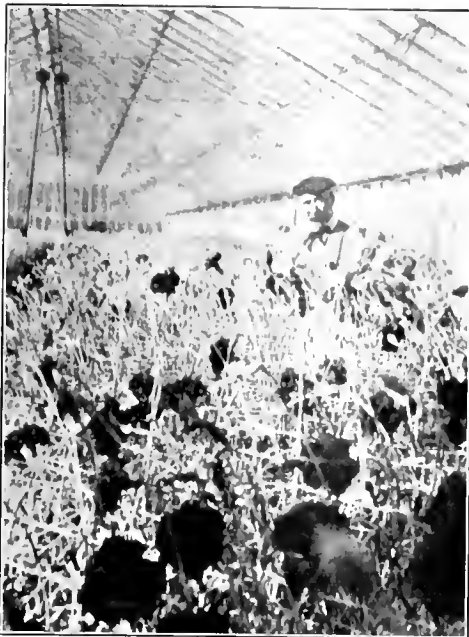
Resuming the treatment of the plants, syringe lightly several times a day and, as the plants take hold of the soil, gradually remove the shade. From now on water the entire bench and, after the weeds have been thoroughly disposed of, a mulch of spent manure, mixed with light soil, will be beneficial in retaining the moisture. Syringe once a week on bright days throughout the season to keep down red spider. Fumigations of nicotine products every two weeks will keep aphids in check.

If the soil has been well enriched further feeding will be unnecessary until the first crop of flowers has been harvested. Then, after a week or two of rest, a light mulch of sheep manure, with one-tenth part of dried blood added to secure a generous surplus of nitrogen, may be given to hustle the growth along. This may be followed two to three weeks later by a dressing of wood ashes to ripen the growth. After another interval a dressing of bone meal will materially assist the development of the second crop of buds. This rotation may be continued to the end of the season by increasing the quantity according to the growth of the plants. Toward Spring a mulch of rotted cow manure may be added. Among the commercial fertilizers as good a combination as we have yet found is 500 pounds of bone meal, 200 pounds muriate of potash, 100 pounds of nitrate of soda, the latter two well pulverized, and the whole well mixed and applied at three week intervals at the rate of a handful to two rows half way across the bench.

In conclusion let me say that this is far from being an exhaustive treatment of the subject. It would be impossible to give one within the limits of such a paper. Every grower will find it necessary to adapt his cultural methods to his local conditions and these he can only find out by actual experience.

NEW H. T. ROSE URANIA.—The Gardeners' Magazine, London, Eng., pictures in its issue of December 14, 1907, a bloom of M. H. Walsh's new rose Urania cut from the open ground in an English nursery at quite the end of September. The flower was 5 3-4 inches in diameter. The variety is considered a valuable autumnal rose in England.

A NEW HARDY ROSE.—Clarence Wedge describes, in the Northwestern Agriculturist, a new hardy rose named Hansa, as follows: "This is of a rich shade of red, perfectly double, and the buds in each cluster opening at about the same time give the appearance, at a distance, of single blooms of immense size. Like the larger share of this class of roses it is of reliable hardiness anywhere in Minnesota."



Carnation Beacon.

As grown by W. W. Coles, Kokomo, Ind.

The Beacon Carnation.

The accompanying photograph does not begin to do justice to this fine new carnation. We have a bench of 750 plants in one of our new King Construction houses, and it has been a mass of flowers for several months. We consider Beacon the best and most profitable red carnation to date. A bench of Winsor, in the same house has also done remarkably well. We shall grow very largely of these two varieties next season.

W. W. COLES.

National Council of Horticulture.

A meeting of the National Council of Horticulture was held at the Auditorium Annex, Chicago, Ill., January 22, 1908.

In accordance with the original stated composition of the Council, the term of service of the delegates at large was arranged so that one-third (or three) of the number should expire at the end of each calendar year. The delegates were accordingly divided into groups as follows:

Terms expiring Dec. 31, 1907: J. H. Hale, H. C. Irish, Prof. E. J. Wickson.

Terms expiring Dec. 31, 1908: J. Horace McFarland, Prof. L. R. Taft, Prof. W. W. Tracy.

Terms expiring Dec. 31, 1909: Prof. W. B. Alwood, Prof. S. A. Beach, Prof. S. B. Green.

By unanimous vote, the following were elected to succeed those whose terms expired Dec. 31, 1907: Prof. R. S. Macintosh, Auburn, Ala., to succeed H. C. Irish; Prof. W. T. Macoun, Ottawa, Ont., to succeed J. H. Hale; Prof. E. J. Wickson, Berkeley, Cal., to succeed himself.

It was voted to request the national organizations represented in the Council, if agreeable to them, to take necessary action authorizing the secretary of such organizations to be one of the delegates to the Council. After full and free discussion the following plan was arranged for the Press Bureau service for the coming year:

- (1) That at least sixty-eight articles be used, or four for each week, for a period of seventeen weeks.
- (2) That these articles be sent on each of the fifteen weeks from Feb. 15 to May 31, and the last week in September and first week in October.
- (3) That the secretary be authorized to expend not more than \$75.00 for the preparation of fifty articles, which, with twenty already in hand, will give the desired number.
- (4) That these articles be prepared at the earliest practicable time, and copies made and submitted to the delegates from the contributing organizations for their approval.
- (5) That the matter be sent to about 500 newspapers and newspaper syndicates (through whom it goes to several thousand publications), which will cost \$20.00 per week for four articles.
- (6) That a schedule be prepared giving the title of each article to be used, and the date when it is to be sent out; this schedule to also include a list of the newspapers and newspaper syndicates to which the articles are to be sent.

The secretary reported funds on hand of \$11128, and he has been advised that the Society of American Florists has set aside \$150.00; the American Association of Nurserymen \$200; the American Seed Trade Association \$200.00, or a total of \$550.00 for the purpose of the Council, which together with the funds actually in the hands of the secretary make a total of \$66428 for Press Bureau service during the year. The schedule of expenses as outlined amounts to \$85.00 which, if ex-

pected, will leave a balance at the end of the year of \$3928.

A letter was read from J. Horace McFarland, suggesting that an effort be made to encourage the improvement of the planting conditions about country schools, by including in the Press Bureau service articles which would show the desirability of such planting, and enlarging upon the bleakness and unattractiveness of so many of the country schools, and to emphasize the desirability of using for the most part, hardy native plants, and at the same time where school grounds are sufficiently capacious, to encourage the development of the children's garden idea. The writer referred to several examples, namely: Washington, Yonkers, N. Y., and Rockford, Ill., where much has been done along this line. It was proposed to get a few such articles prepared.

A letter was read from J. P. Wilson, secretary of the American Nut Growers' Association, giving suggestions in reference to the exploitation of horticulture, and explaining the work that is being done by that organization.

A letter was read from J. W. Fitch, secretary of the Wisconsin Cranberry Growers' Association, inquiring about the Press Bureau service and the practicability of using a few articles on the importance of cranberries as an article of diet. The secretary was instructed to correspond with Mr. Fitch, offering to use four articles at the approximate cost for such service of \$25.00.

Letters were read from officers of several State and district societies in response to a circular letter sent out by the secretary of the Council to such bodies some weeks ago.

H. C. IRISH, Secretary.



Wm. Flemer, V. P. and Treasurer



Fred'k W. Kelsey.

President American Nursery Company.

American Nursery Company.

An incorporation under the laws of the State of New York, with a capital stock of \$100,000, with authority to do a general nursery business, has been accomplished whereby four local establishments have been brought together under one control, the new company acquiring all the real estate, property, business and good will of the F. & F. Nurseries, Springfield, N. J.; the Bloodgood Nurseries, Flushing, L. I. (established 1790); the N. J. & L. I. Nurseries, and the business of Fred'k W. Kelsey, of New York; all these old established concerns to be hereafter conducted as branches of the new company under the same local managements as heretofore.

The officers of the company are: Fred'k W. Kelsey, president; Theodore Foulk, vice-president; William Flemer, vice-president and treasurer; and P. H. Goodsell, secretary.

In an interview with Mr. Theodore Foulk, of the Bloodgood Nurseries, Flushing, N. Y., that gentleman stated that its stockholders and directors, because of the difficulty of securing land in their present locality and the unstable leases possible to be made, deemed it wise to fix some of its interests elsewhere, and so insure to its business a more stable and enduring life. For this reason it embraced the opportunity offered in the new incorporation to ally itself with reputable and growing nursery interests that had red blood in their veins and were conducted by men of responsibility and character.

The Bloodgood Nurseries is the oldest continuing

nursery in America and is well and honorably known throughout the land.

The F. & F. Nurseries, located at Springfield, N. J., has, for 25 years, made steady progress under the able management of Mr. Flemer. This nursery covers an area of considerably more than 100 acres.

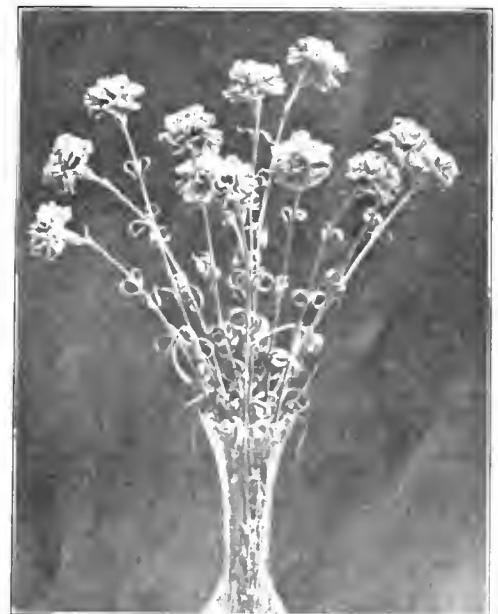
The N. J. & L. I. Nurseries is an enterprise started some eighteen months ago by Mr. Flemer and Mr. Foulk of the Bloodgood Nurseries. The nursery contains more than 100 acres, a larger part of which is already planted.

Mr. Fred'k W. Kelsey has been actively engaged in the nursery business for a period of 25 years, and has conducted a successful and constantly enlarging business. That gentleman has also been largely instrumental in developing the parks of Essex County, N. J., and is deeply interested in whatever makes for public benefit.

From this it will be seen that the new company starts under very favorable auspices, with complete and extensive producing and distributing facilities and ample financial resources.

Carnation Victoria.

This variety is a cross between Mrs. Thomas W. Lawson and Harry Penn and is now in its fourth year. The originator and grower, Mr. J. H. Cushing, of Quindnick, R. I., says: "We have made a thorough test of it, both at our own place and at other establishments, and it has done remarkably well wherever tried. The flowers measure from 3 to 3½ inches in diameter and are carried on long stiff stems. The color is of a little lighter shade than Mrs. Thomas W. Lawson, but the difference is so little that it is easily taken for that variety so far as color goes. The habit of the plant is robust; it is a very strong grower and comes into flower early and continuously, yielding more blooms per plant than any variety we grow. We style it a 'money-maker.'"



Carnation Victoria.

Grower J. H. Cushing, Quindnick, R. I.

THE FLORISTS' EXCHANGE

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants, also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements in these columns, 15 cents per line, count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care of Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—Young lady wishes position in florist store, experienced. Address, M. care The Florists' Exchange.

SITUATION WANTED—By good grower of carnations, chrysanthemums and bedding plants. Address, L. Rich, 150 Central avenue, Brooklyn, N. Y.

SITUATION WANTED—By a first-class store man, expert designer and decorator, eight years' experience and used to high-class trade; aged 27. Address, W. G., care The Florists' Exchange.

SITUATION WANTED—Experienced, sober, grower of roses, carnations, chrysanthemums and general stock. Artistic designer. Capable taking charge. Married. Address, A. B. A., care Florists' Exchange.

SITUATION WANTED—As head gardener on private place; experienced in forcing and outside. Married, no children, very best of references. P. Schultz, 451 Ocean Avenue, Jersey City, N. J.

SITUATION WANTED—As foreman of section man; roses, carnations, chrysanthemums and general stock. Twenty years' experience, German, 35, married. Address, E. B. E., care The Florists' Exchange.

SITUATION WANTED—By Belgian, private place preferred. His complete knowledge of growing all plants, outside and under glass. Good references. Address, Alphonse Aubinet, 228 West 43rd street, New York City.

SITUATION WANTED—In florist store by florist and landscape gardener; good appearance. Experienced in conservatory work and making-up of garlands and baskets. Address, L. B., care The Florists' Exchange.

SITUATION WANTED—As assistant gardener, experienced in roses, carnations and greenhouses, plants, good references. Nationality, English, aged 21 years. Address, R., care The Florists' Exchange.

SITUATION WANTED—Gardener and florist. Advertiser is open to engage with any lady or gentleman wanting an all-around man, life experience in England and America. Married. Address, H., care The Florists' Exchange.

SITUATION WANTED—Young man, 20 years of age, three years in this country, formerly soldier and florist, has experience in all general greenhouse work, working six years in that business. Wishes a position in a commercial or private place. Address, J. K., care The Florists' Exchange.

SITUATION WANTED—By a thorough up-to-date grower of strictly first-class cut roses, pinks, carnations, bedding stock, pot plants and Easter lilies. Good pay for good service. A visit to my present place will be a pleasure. I desire a change. Address, P. P. B., care The Florists' Exchange.

SITUATION WANTED—As operator and florist on a private estate. I have been such for the past five years, working 20 years, roses and carnations, trees, shrub and bedding plants. Am an expert and highly experienced in growing and forcing all plants, also capable of making up garlands, etc. Good references. Address, J. B., care The Florists' Exchange.

SITUATION WANTED—Young man, 20 years of age, three years in this country, formerly soldier and florist, has experience in all general greenhouse work, working six years in that business. Wishes a position in a commercial or private place. Address, J. K., care The Florists' Exchange.

SITUATIONS WANTED

SITUATION WANTED—By German gardener and florist, married, 30 years of age, 16 years' experience in landscape gardening and greenhouse cultivation, wishes position as foreman on first-class private or commercial place, good references. Julius Bauer, Ferdinands, Bordenstown, N. J.

SITUATION WANTED—By practical all-around florist, as grower of roses, carnations, bedding plants, etc., commercial or private. Capable of taking charge, 20 years' experience, aged 35, best of references as to character and ability. Only those who require the services of a competent man need answer. Address, A. P., care The Florists' Exchange.

HELP WANTED

WANTED—A first-class rose, carnation, chrysanthemum, violet and general stock grower, \$15.00 per week. Address, R. E. S., care The Florists' Exchange.

WANTED—Rose and carnation grower for section; married man with small family. Wages, \$14.00 per week. Address, Pennsylvania, care The Florists' Exchange.

WANTED—Single man, must be an experienced grower of carnations, chrysanthemums and able to take charge. Wages, \$14.00 per week. Address, P. H., care The Florists' Exchange.

WANTED—Competent gardener and greenhouse man for estate at Grosse Pointe Farms, Mich. Must be married, employment by the year and found. Address, Lloyd Wilson, 703 Bismeyer Building, Detroit, Mich.

WANTED—A good all-around man, familiar with the general run of bedding plants. Must be rapid at potting; wages, \$12.00 per week. Steady position for right man. Give references from last employer. Address, Wachendorff Brothers, Atlanta, Ga.

MISCELLANEOUS WANTS

WANTED—The agency for any new line of goods, Edw. S. Schmid, Florist Supplies, Washington, D. C.

WE HAVE started in business as landscape gardeners and solicit trade lists of nurseries. Address, Ruf & Hunt, Raleigh, N. C.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms Cash. Address, F. N., care The Florists' Exchange.

WANTED TO RENT—In good locality, small commercial place of three or four greenhouses with land, Massachusetts only. Apply with particulars to Florists, 25 Vine street, Winchester, Mass.

FOR SALE OR RENT

FOR SALE OR RENT—Four greenhouses, 2,000 feet of glass, in No. 1 condition, all stocked with carnations, roses, lettuce. Address, W. B. Snel, Mohawk, N. Y.

FOR SALE—Four greenhouses, all stocked, seven acres land, dwelling house, etc. Situated on Long Island. Will sell at a bargain. Box 201, Farmingdale, L. I., N. Y.

FOR SALE—Near New York, a well paying cemetery business, established twenty years, a fine dwelling with a large florist shop, to lease to responsible party. For information address H. E., care The Florists' Exchange.

FOR SALE—Greenhouses and stock. About 2,000 feet of bedding plants, ferns, palms and cut flowers. For terms, inquire of Mrs. Hugo Book, College street, Worcester, Mass., or E. Midgley, Worcester Conservatories, Worcester, Mass.

FOR SALE—On upper West Side, New York, good locality, first-class florist store. Daily receipts, \$25 to \$30. This business presents a fine reason for selling, will sell for the county. Address, Seemanns Brothers, 416 Amsterdam Avenue, New York City.

FOR SALE—Ten acres of fine soil for roses and carnations, five greenhouses, 70,000 feet of glass, with steam boiler capable of heating three times as much glass. The houses are stocked with roses, and adjoining are stocked with carnations, etc. from Philadelphia. Price, \$1,000. Possession immediately or April 1. Can sell at a profit. Address, P. O. Box 27, 21th Wales, Pa.

STOCK FOR SALE

MOON VINES, Strong rooted cuttings, \$1.50 per 100, postpaid. Cash with order. Wachendorff Brothers, Atlanta, Ga.

HEALTHY, strong cuttings, unrooted, Enchantress, \$5.00; Queen Louise, \$5.00 per 1000; Wm. S. Herzog, Morris Plains, N. J.

ASPARAGUS SPRENGERI, extra strong plants, from 3 in. pots, ready for 4 in., \$4.50 per 100. Cash with order. Charles S. Mason, Farmington, Conn.

STRONG, healthy plants of early Snowball carnation, \$1.00 per 100, \$8.00 per 1000. Cash with order. John Canning, Ridge-wood, Glenbrook, Conn.

DRACAENA INDIVISA, Thrifty, young plants from 3 in. pots, \$4.00 per 100. Just right for growing on. Cash with order. Wachendorff Brothers, Atlanta, Ga.

SAND-ROOTED CARNATION CUTTINGS, A No. 1 stock, express paid. Victory, \$25.00 per 1000; Pink Lawson, \$18.00 per 1000. A. Lamb & Son, Hughsonville, Dutchess County, N. Y.

1500 DOUBLE PETUNIAS from soil, \$1.25 per 100; \$10.00 per 1000, 2000 Little Gem Feverfew, \$1.25 per 100; \$10.00 per 1000, E. V. B. Fuchs, 154 Van Vranken Avenue, Schenectady, N. Y.

SEEDS—Bolgiano's extremely early I X L Tomato, \$8.00 per pound; large, smooth, immensely productive. Send postal for 1908 illustrated catalogue. Bolgiano's Seed Store, established 1818, Baltimore, Md.

CANNAS, Chas Henderson, The Express, Rubin, Buttercup, Mine, Berat, Kate Gray, Austria, strong, two and three eye divisions, \$3.00 per 100; \$25.00 per 1000. Cash with order. Wachendorff Brothers, Atlanta, Ga.

SURPLUS GERANIUMS AND CANNAS—Geraniums, 2 1/2 in. pots, \$20.00 per 1000; S. A. Nutt, Peitewine, Double Grant, A. Ricard Cannas, Austria and Shemandoah, large bulbs, \$15.00 per 1000. Frank P. Erbe, Spring Lake Beach, N. J.

WHITMAN FERNS, extra strong runners, \$3.00 per 100; \$25.00 per 1000, 2 1/2 in., \$5.00 per 100; \$40.00 per 1000, 3 in., \$10.00; 3 1/2 in., \$15.00; 4 in., \$20.00 per 100. Special prices on larger quantities. Cash with order. James F. Barclay, Pawtucket, R. I.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 3/4c.; 1 1/4 in. 4 1/2c.; 1 1/2 in. 5 1/2c.; 2 in. 7 1/2c.; 2 1/2 in. 10c.; 3 in. 14c.; 4 in. 19c.; per ft. New 2 in. Standard steam, 1 1/2. All kinds of fittings for 1/2 in. cast iron and all sizes wrought iron.

STOCKS AND DIES—New Economy, easy working, No. 1 cuts 1/2-3/4-1 in. \$3.00; No. 2 cuts 1 1/4-1 1/2-2 ins. \$4.00; Armstrong Adjustable No. 2 cuts 1/2-1 in. \$4.00; No. 3 cuts 1 1/4-1 1/2-2 ins. \$6.50. Second-hand Armstrong, No. 3 \$5.00; No. 2 \$3.00.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$20.00; one 16 in. grate, new round boiler, heating 900 sq. ft. of glass, \$40.00, 1 No. 529 Richardson, five section water boiler, grate 30 by 28, heat about 5000 sq. ft. of glass, used one season, \$125.00, 1 American Radiator Ideal, eight section water boiler grate 67 by 49, heat about 15,000 sq. ft. of glass, price \$225.00, 1 Horse Butler and Butler, Sterling, Round Sectional boiler, grate 20 inches, heat about 1800 sq. ft. of glass, price \$50.00. The above boilers are guaranteed to be in good condition. We have other sizes and makes; write for prices.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in., \$1.00; 16 in. \$1.40; 18 in. \$1.95; 20 in. \$2.50; 22 in. \$3.10; 24 in. \$3.75. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$2.50.

GARDEN HOSE 50 ft. lengths 3/4 in., guaranteed, 8 1/2c.; for heavy work, guaranteed, 12 1/2c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft., glazed complete \$1.69 up. Second-hand sash glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box. 10x12 single at \$1.30; 10x12 double at \$1.80; 12x12, B double, \$2.20 per box; 12x14 to 12x20 and 14x11 to 14x20, 16x16 and 16x18, B double, \$2.50 per box; 16x20 to 16x24, 12x24, B double, \$2.65 per box.

PECKY CYPRESS \$25.00 per 1000. We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO. Greenhouse Wreckers 1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Utica, N. Y.

Here and There.

I made a call on C. F. Seitzer and found everything in good shape. Roses are fine and carnations extra, especially a house of Rose Pink Enchantress, which the writer thinks the best to be seen anywhere around Utica.

Frank McGowan has made great improvements since my last visit. He has as fine a house of Mrs. Lawson as one would wish to see; it does not look as if this variety had seen all its good days yet. Lady Bountiful is just simply grand and has been all the season; Mr. McGowan says it is good enough for him in white; he is propagating all of it he can. He has now several thousand good rooted cuttings of all kinds. The new houses built last year are planted to sweet peas.

J. C. Bigelow & Son have everything in good form; they have one of the best heating systems in these parts.

Robert Boyce, James street, reports trade active. Carnations here are first-class. He also grows sweet peas well.

Frank Baker was at the City Hall. He was elected last Fall President of the Council and is a busy man. Everything on the place, under Mr. Kauffer's supervision, is in fine condition.

At Deerfield, three miles from Utica, I found Mr. Hermant, Sr., just recovered from a recent sickness; his son is still in the house ill. They have built one large house of Lord & Burnham construction, 40x80 feet, which is planted to carnations and sweet peas, and have been cutting the latter in quite large quantities since the first of December.

Peter Crowe was busy planting a house of roses after being out of rose-growing for the past five years; he said that he just wanted to find out if he had forgotten anything about this culture. He expects to add several more houses in the Spring to be devoted to roses, and may build new houses for that purpose. The demand for Adiantum Croweanum is still as good as ever; this fern was looking at its best.

Brand Brothers' five carnation houses, added to this plant last year, are looking fine, as are roses Bridesmaid, Bride and Liberty, the kinds grown here.

The plant of W. A. Rowlands, Whitesboro, N. Y., is devoted entirely to carnations; all are in first-class condition.

FOR SALE

FOR SALE—Lot of glass, 16x24, 4 in. pipe and greenhouse material. Address, Luna Park, West Orange, N. J., or call 91-33 Monmouth street, Newark, N. J.

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information, write Parselsky Brothers, 50 Monroise Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished, Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE—Second-hand boilers. One No. 5 Weathered, capacity 1,000 feet, 4 inch pipe; one No. 5 Hitchings, capacity 900 feet, 4 inch pipe; one No. 57 Hitchings, sectional, capacity 2,600 feet; two eight-sectional Weathered boilers. Write for information and prices. Wm. H. Lutten, Opp West Side Avenue Station (C. R. R. of N. J.), Jersey City, N. J. Telephone 412 Bergen.

FOR SALE

New greenhouse glass, very cheap for cash. Send inquires. Address C, care The Florists' Exchange.

FOUR GREENHOUSES

FOR SALE OR TO RENT

17 feet wide, 125 feet long, modern structure. Built only a few years; in first-class order.

Write to **ROWELL & GRANZ, Hicksville, L. I., N. Y.**

REVIEW OF THE MARKET

NEW YORK. The cut flower business continues to be rather below the average for the season of the year. Roses have not as yet begun to be real plentiful, but carnations are showing an increase in quantity which is quite noticeable. The Vanderbilt wedding, which came off on Monday last, did not create a ripple as far as affecting market values. There are plenty of orchids and other flowers on hand to meet all demands just now without the least trouble. Owing to the slight diminution in quantity of special American Beauty roses, an effort was made in the beginning of the week to push the price to 75c. each; this, however, proved futile. While a limited number may have gone through at that price, 60c. was about all that most of the buyers would stand. In Bride, Bridesmaid and other tea roses, the prices remain about as they were last week, and the shorter grades are much easier to dispose of than are the special and fancy blooms. A decrease in the averages of carnations will, no doubt, be felt this week, as prices are not holding up near so well as they did one week ago. Grades that brought \$3 and \$4 per 100 at that time have had to be sold anywhere from \$2 to \$3 per 100. Lilies are getting to be much more plentiful and prices are downward. Lily of the valley is probably one of the worst sellers on the market just now. There is a lot of it coming in of various grades, but neither the short-stemmed nor the special grade stock seems to be meeting with any demand.

Gardenias are not in heavy supply and prices remain about the same. Lilac is getting more plentiful, but is rather hard to dispose of, even at our quoted prices. Paper White narcissus continues to be plentiful and cheap, the yellow bring much better returns. Narcissus poeticus has begun to come in, the best of it fetching \$1.50 per 100. Violets have been very plentiful and have had to be clogged out at times as low as 25c. per 100; this is, of course, for stock that has accumulated and had to be moved; the ruling figures seem to be about from 30c. to 60c. per 100 for fresh stock. Tulips of several varieties are coming in now, some of the long-stemmed better sorts in red bringing as high as 3c. each at times. Freesias are coming in regularly, but there is much variation in the size of the bunches and the length of the stems of the flowers. Prices range anywhere from 10c. to 20c. per bunch, an occasional fine lot fetching as high as 25c. per bunch.

CHICAGO. The market is in a fairly satisfactory condition. While the improvement noted last week is maintained the volume of business can hardly be said to be greater, but there is a strong tone to transactions which is very encouraging. Prices are practically unchanged. A touch of real winter has shortened arrivals a little in some lines, but there is plenty of everything in season, and some products still run to the point of excess. Carnations are very plentiful, but move pretty well, inferior stock only hanging fire.

Roses are the best thing in the market, cleaning out well. American Beauties continue in good supply, and there are plenty of the Bride and Bridesmaid varieties to go around. Killarney is also well in line, both as regards supply and demand. Richmond roses are not so plentiful. Bulbous stock is coming in heavily, and at times is hard to move. Narcissus and daffodils drag considerably. Tulips, while not unduly plentiful are not much to boast of in quality, as a general thing. Some growers are complaining of the quality of the bulbs they received for planting, and attribute the poor appearance of the flowers to this drawback.

Violets move well, some of the locally grown stock going off better than the Eastern arrivals, and commanding top prices. Some fine callas are coming in and are taken freely. Lily of the valley is improving in quality, some good long stemmed well flowered stock making its appearance this week. Sweet peas are rather short in supply, and the offerings are largely of short stemmed stocks. If the cold weather continues a little shortening of the supply is probable, and the relief thus to be obtained will serve to strengthen the market considerably. J. H. P.

St. Paul.

Notwithstanding a general apathy or quiet in most lines of business since January 1, the flower business has been active. The weather has been most favorable to the growers, the days warm and bright, and more like Spring than Midwinter. There has been a good choice of cut flowers, though at present many houses are "off crop." Violets have been especially plentiful and of good quality.

Social events have not been numerous, though there has been "something doing" most of the time. The mild weather, however, has been conducive to grippe, pneumonia, and its attendant trail of misery and death and the demand for funeral flowers has been unusually heavy. White roses and white carnations are becoming scarce in this market. Other flowers are equal to the demands.

The first regular meeting of the Twin City Florists and Gardeners' Club was held at Holm & Olson's store on Tuesday evening, January 21, and the club was successfully launched on what we hope will be a long and prosperous cruise.

In absence of President Wirth, Vice-President Olson presided. About seventy charter members paid their dues and gave the necessary impetus in a financial way. E. Nogel, of Minneapolis, read a paper on "Bedding and Bedding Plants," which was quite thoroughly discussed, and resulted in a committee being appointed to get the growers and store men together to agree on prices for this season. VERITAS.

KALAMAZOO, MICH.—There has been very little change in the state of trade during the past two weeks. Business lacks the usual snap customary at this season and while at times funeral orders and shipping trade are brisk the general tone of affairs is quiet. Stock is not coming along as fast as anticipated, which under the circumstances is not regarded as a heavy crop just now would be hard to dispose of. I do not think, however, the florists are suffering any worse than any other industry from slack trade; indeed I am of opinion our business is better than most and considering the season, rather better than expected. Prices at present are holding fairly good; American Beauty, \$3 to \$8 per dozen; tea roses, 75c. to \$1.50. Carnations, 40c. to \$1 with the general run at 50c. and 60c. per dozen. Violets are plentiful at 25c. per bunch, and bulbous stock sells at 50c. and 60c. per dozen.

Trade in the smaller class of plants such as primulas, cyclamen, hyacinths, etc., and such stock as retail at from 25c. to 50c. per pot, shows a falling off from last year, doubtless owing to the fact of employment among the skilled working class not being so good as usual. Shops and factories here are starting up again and some improvements are being talked of, which we hope will materialize, as we need something that will put the yam and snap into business that we experienced in the past year or two.

This winter has not yet had any very severe cold or stormy weather, so the growers have profited some on the coal bills, which is an item to be thankful for. The local nurserymen expect to have a good Spring trade this year and report orders coming in more freely than usual at this time of the year. S. B.

BOSTON. Trade has remained very much in the same condition for the past two weeks. There is a fairly good demand especially for white flowers. Roses are not plentiful and good prices are realized for such as Richmonds and Killarneys and, by the way, these two roses are proving the best sellers of any with perhaps the exception of American Beauty. There is a good demand for high grade flowers of this latter variety. Colored carnations are more plentiful than white which seem to have an extra good demand at present. Lilies are plentiful. There are some good specimens in the market as well as longhorns. Lily of the valley has a steady demand. Sweet peas are of excellent quality and sell well. Violets are plentiful and cheap. Bulbous stock has improved in quality and sells fairly well. Magnolia is a good thing. There are lots of other flowers in small quantities like marigolds, peonies, and corn flowers, which have a regular demand. J. W. D.

ROCHESTER, N. Y. The market for cut flowers is about the same as last week. The price of carnations is holding up well, but there is a general feeling of apathy. Tulips are coming in and are well received. Violets are still in demand. The weather is favorable, but the cold snap has caused some damage to the plants. The florists are generally satisfied with the current trade.

ROCHESTER, N. Y. But for the increased quantity of funeral work being called for each day, general trade would be dull. This fact, of course, does not keep prices to a fixed figure, although no material is going to waste. Roses run from \$3 to \$6 per 100; carnations, \$1.50 to \$3; violets, 35c. to 50c. per 100; lily of the valley, \$2.50 to \$4, and sweet peas, \$1 to \$2. Bulbous stock, such as Paper White narcissus, tulips, Roman hyacinths and daffodils, are sold according to size and variety, double flowers, of course, being in advance of single. Now that the days are lengthening all varieties of flowers are improving so that they can be handled more satisfactorily.

Grippe is playing havoc with the working forces in the several greenhouses, quite a few men being home; but it seems prevalent all over the State, so we are in the swim. COCKNEY.

Cincinnati.

Trade with the flower shops during the past week has been very much on the quiet side. Stock of all kinds is plentiful with the wholesalers, but none going to waste; funeral work is the principal cause for the demand.

Fred Lautenschlager, seller of boilers, was a caller Saturday and Sunday on his way to Washington, D. C.

R. Witterstaetter and wife left at noon January 27 for Washington, and I believe these are all from Cincinnati; others who intended going were detained by illness.

E. G. Gillett moved January 21 from his old quarters to 111 East Third street. J. A. Peterson and family have all been down with grippe; three of C. J. Jones' help are laid up at this writing, and Mr. Jones himself is just recovering. William Murphy and his help in the wholesale shop here have all been sick. E. G. G.

Chicago Notes.

A number of Chicago florists will attend the third annual convention of the Illinois State Florists' Association, to be held in Springfield, Feb. 18 and 19. There is to be an extensive exhibition of cut flowers, plants, floral supplies and greenhouse material and auxiliary. The Springfield Florists' Club is looking after exhibition details, having appointed a special committee for the purpose.

The exhibition and convention sessions will be held in Arion hall, which is within one block of the C & A depot. The building is well heated, so that no fear need be entertained for the care of plants and flowers forwarded for exhibition. The local florists will take care of all exhibits arriving from distant points in attendance. All communications regarding exhibits should be addressed to A.

CHICAGO. The market for cut flowers is about the same as last week. The price of carnations is holding up well, but there is a general feeling of apathy. Tulips are coming in and are well received. Violets are still in demand. The weather is favorable, but the cold snap has caused some damage to the plants. The florists are generally satisfied with the current trade.

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HARRY ROWE says that in spite of the stringent financial situation, his business shows a material increase so far this month over January of last year.

The death of Gustave Wittbold, of the Geo. Wittbold Co., which occurred January 24, is deplored by all who knew him. While he took no part in club affairs, he always had the interests of the florists' business at heart and lent them all the help possible. At the funeral on Monday, there was a good representation of the trade, and many beautiful floral pieces were in evidence.

H. E. Philpot, manager of the Chicago Floral Co., Winnipeg, Manitoba, was in town last week. He reports an excellent holiday trade in his section. The weather at Christmas was exceedingly cold, between 20 and 30 degrees below zero, but notwithstanding this extreme his wagons made about 1500 deliveries and losses attributed to exposure were only reported in six cases. In severe weather they use a shipping box of their own construction; it is about 10 feet long, 3 feet high and 3 feet wide, lined with blankets and having a central compartment in which is placed a Lehman heater.

F. R. Pherson, Tarrytown, N. Y., was a visitor at the establishment of Jensen & Dekema last week.

G. McReynolds of Glen Cove is shipping some fine double violets daily to E. H. Hunt.

Edwin Hauswirth has the sympathy of the trade in the death of his little son, four months old, the funeral took place on Monday.

The wholesale ranks have been augmented by the advent of Jos. Forrester, formerly with Geo. Reinberg. He has taken quarters in the Flower Growers Market and will conduct a commission business.

Chicago and vicinity will be well represented at the convention of the American Carnation Society, held this week in Washington, D. C. Among those who left on Monday morning were James S. Wilson of Vaughan's Seed Store, Western Springs; Aug. Buchmann of the Pechmann Bros. Co., W. N. Rudd, J. E. Jensen of Jensen & Dekema, and T. A. Pater, manager of the Chicago Carnation Co., Joliet, Ill., accompanied by P. Olson, the company's grower.

J. D. Crozier, of Des Moines, Ia., was a visitor last week, and Frank Stuppy, of St. Joseph, Mo., is visiting the trade this week.

The National Council of Horticulture at the Auditorium Annex Hotel on January 22 arranged plans for the general publication of authorized articles on horticulture, and especially the encouragement of ornamentation of public school grounds. The Council will petition Congress for a law placing horticultural teaching in the curriculum of the public schools of the United States.

NEW ORLEANS, LA. A greenhouse, 150x34 feet, which, with the heating apparatus, cost \$12,000, has just been completed in the City Park, and will be utilized for the growing of rare flowers and decorative plants.

POUGHKEEPSIE, N. Y. Gordon Morris, formerly of George A. Rowley, has been called to his home near Albany, N. Y., Friday night, January 10, 1908, after an illness of 28 days.

Rochester, N. Y.

News Notes.

Among the many attractions seen in the floral store windows are some pot-grown azaleas, imported by Salter Brothers. That these are beautiful plants, and, on the whole, well budded, is true. They are grown into standard shape, similar to baby box trees, with stems twelve inches long, on top of which is a symmetrical sphere of leaves, buds and blooms, sixteen to eighteen inches across. The claims made for them by the grower are, that they are more easily forced, early; that the buds develop more evenly; that they lose comparatively little foliage during shipping and can be packed more economically than field grown plants; also that, when in full bloom, they resemble a handsome table bouquet, which, with decoration on pot, or cut off and put in vase, makes a decided and useful novelty.

At a recent public dinner given in Genesee Club House, one variety of these was used for the table with telling effect, standing, as they did, erect and distinct, yet not out of place, in the center of each table. Several varieties were grown for experiment—Vervaneana, Sigismund Brucker, Simon Mardner, Hexe and Eggebrechti; the Hexe variety not being round-headed, but allowed to develop naturally. Eggebrechti is an old variety that has been missing for about fifteen years, and those who know it formerly claim for it the fact of its being the best keeping azalea when in bloom; which fact also the writer can sustain, it having been his great pleasure to watch these plants every day. In color they are darker than Simon Mardner, resembling in shade Richmond rose—very pleasing to the eye, and a shade of color not found in any other azalea.

Referring to the buds opening evenly, not much can be said in their favor, although here, with such a lack of sunshine, the conditions have not been favorable for such development. When the plants were received last November, they were found in good condition, and, as the ball of roots fitted to a nicely a five-inch azalea pot, no trouble was experienced in getting them into the greenhouse, since which time they have lost no foliage. They retail readily for \$1.50 and \$2 each, but the first cost is much greater than field-grown plants, and whether there is enough demand for them so as to make another importation, is a fact to be determined at future date. All things considered, they are first class, and, as a novelty, deserve more general use on a small scale.

At J. B. Keller Sons' can be seen some "Rokoko" cyclamen. These were grown well, and show the excellent results obtainable where careful attention is given. They come in a variety of color, the petals being much broader and heavier than the older variety, also the edges of petals are beautifully fringed. The flowers do not open so readily as in the older variety, but, as they are in their experimental stage, better ways will be found to handle them. They sell as readily as others, the larger and fringed flowers securing better returns.

Moschosa riparium was seen here last week for the first time, and many dubbed it "Flowering Catnip," on account of the odor from the leaves. When in full bloom it is very pretty, having stems of pure white flowers fifteen to twenty inches long, a spray of bloom coming from the axil of each leaf on both sides of stem. It is desirable either cut or grown in small pots for basket work, for which latter purpose it is perhaps the most suited. It delights in a warm atmosphere and is not over-fond of water. Plenty of sunshine is necessary, and frequent syringing should be resorted to, to keep down mealy bug. Each shoot gives a good, strong spray of bloom, and it is the writer's opinion that roots of this, planted in a bench, would give profitable results to those whose trade could use it. It is a great feeder and quick grower; a sudden check is had for it, the leaves soon showing any ill treatment. The blooms should be cut as soon as color is showing, as when in full bloom, the flowers drop and look dirty. Putting it in a cool place a few hours at the cutting is a decided advantage to its keeping qualities.

Several firms here tried Salvia Zurich for Christmas blooming, but all agree that, as far as Rochester is con-

cerned, its adaptability is of small moment; as, when sent from greenhouse to store, plants with eight to fifteen blossoms were discarded because the blooms dropped off; consequently, no firm sent it out. But from appearances it should be a grand bedder, and extensive propagation is now under way for this purpose. COCKNEY.

Boston.

A Flower Show.

The Boston Co-operative Flower Growers' Association expects to have the best exhibition ever held by it on February 29. The following prizes are offered: In roses, \$10 first; \$5 second, for American Beauty, pink, red, white and any other color, 25 flowers respectively. For best new rose, a silver cup valued at \$25. Carnations in Class A, first \$5; second \$3, are offered for 50 each of crimson, dark pink, light pink, scarlet, white and any other color; and for 25 blooms of the same colors in Class B, first prize \$3, second \$2, are offered. In Class C, for 100 blooms in one vase, not less than six varieties, the first prize is a cup valued at \$15; second prize, \$7.50. Classes A, B and C are only for standard or disseminated varieties. In Class D for vase of 100 blooms, one variety, new or standard, the first prize is a cup valued at \$25; second prize, \$7.50. In Class E special premiums are offered by firms or individuals as follows: First prize, \$3; second, \$2, for vases of 100 white, 100 pink and 100 any other color sweet peas, respectively. In violets, first prize, \$3; second, \$2, for 100 Lady Hume Campbell, any other double, Princess of Wales and any other single.

Prizes in the miscellaneous class are: For best vase of 50 tulips, first prize, \$5; second, \$3; 50 narcissus, the same amounts. Best collection of bulbous stock, not more than 25 of a variety, first, \$12; second, \$8. For 50 lily of the valley, \$3; 50 marguerites, \$2; 25 mignonette, \$3; 100 pansies, \$2; 25 antirrhinums, \$3.

Thirty square feet of space will be allotted to any exhibitor of pot plants, and suitable awards will be made for any exhibit of special merit.

The first exhibition of the season of the Massachusetts Horticultural Society was held on Saturday, and while not large, contained some very interesting displays.

For 25 white carnations M. A. Patten was awarded the first prize; Backer & Co. second and third. Light pink—First, M. A. Patten; second, S. J. Goddard; third, M. A. Patten. Daybreak shade of pink—First, S. J. Goddard; second, M. A. Patten. Dark pink—First, S. J. Goddard; second and third, M. A. Patten. Scarlet—First, S. J. Goddard; second, M. A. Patten; third, Backer & Co. Striped—First, M. A. Patten; second, Backer & Co.

Robert Cameron of the Harvard Botanical Gardens was the speaker at the lecture course of the Horticultural Society on Saturday. There was a large attendance. Mr. Cameron was enthusiastically received and gave an interesting paper which created a wide interest and considerable discussion. The subject was "Annuals and Biennials," and the essayist gave a large list of varieties suitable for various conditions besides giving many valuable cultural hints. J. W. D.

LINCOLN, NEB.—The State Horticultural Society at its annual meeting elected the following officers for the ensuing year: Charles L. Saunders, Omaha, president; C. H. Green, Fremont, first vice-president; J. D. Ream, Broken Bow, second vice-president; Peter Youngers, Geneva, treasurer. L. M. Russell, secretary, holds his office until the June meeting of the society and his successor will be selected by the directors at that time. A. J. Brown, Geneva, whose term of office as director ended this year, was re-elected for a term of three years. The other directors are J. A. Yager, Fremont, and W. G. Swan, University Place; H. S. Harrison of York is the retiring president of the society.

Commercial Price
Violet Culture \$1.50
The Florists' Exchange, 2 to 8 Duane St., N. Y.

Toronto, Ont.

Business is again picking up, and with bulbous stock coming in plentifully there is more brightness about the trade. Carnations are good and enough to go around, but with the improved demand appear to work off clean. Violets appear to be over plentiful and, last week, Victoria day, January 22, was a disappointing one to several of our retailers who had laid in a heavy stock; for, although the day was quite mild, but few violets were worn and large stocks were left over to be consigned to the ash barrel. Yellow narcissus are a little in oversupply, but I daresay the market for them will soon right itself, as they are so easily managed.

Eighteen days of the severest kind of investigation into the management of our City Park Department has brought out but little against the commissioner, except careless management of details; the evidence offered was mostly that of discharged or disgruntled employees; the expense and worry of the matter has been, however, so great that the commissioner, Mr. John Chambers, has agreed to resign. He has been in office for about 29 years, and has done splendid work for the city during that time. He is a thoroughly practical gardener, and, whatever his faults, the city is not likely to get another man who will do as good work for the money spent as he has done. He says that only his sickness and the great expense of the investigation made him send in his resignation. There are several after the job, from politicians to roustabouts, but so far as I hear no good gardeners have offered themselves.

Alonzo Watkins, for many years gardener at the Allan Gardens, died suddenly last night of heart disease.

CHARLESTON, S. C.—The Carolina Floral Company, 339 Ring street, is making extensive improvements in their store. The entire front of the building is now being remodeled; the old windows have been removed, and in their stead is one large, octagon-shaped display window. On each side of the window is a door of latest type. The base of the window is marble, as is the entire entrance. Following this, the entire interior will be remodeled and put in excellent condition, after which the firm will commence the building of a large greenhouse.

This company commenced business about four years ago, with J. Henry Stühr as president, who has given the business his best attention. The manager, Frank W. Kummer, is favorably known as an artist in the line of floral decorations and designs. To his able management is due a great deal of credit for the success that this company has attained.

MALDEN, MASS.—D. F. Roy, who for the past 19 years has had charge of the estate of the late E. S. Converse and for several years past has also been superintendent of Pine Banks Park and during the past year a park commissioner, will leave this city in the near future to be general superintendent of the vast estate of Colonel H. E. Converse. The Moorings, Marion, Mass., Mr. Roy is a popular horticulturist in this vicinity and leaves with the good wishes of a host of friends. J. W. D.

TRENTON, N. J.—The following officers have been elected by the New Jersey State Horticultural Society for the ensuing year: President, Elias S. Black, Little Silver; vice-president, Albert Repp, Glassboro; secretary, Howard G. Taylor, Riverton, and treasurer, George E. Decamp, Roseland.

Resolutions of thanks were adopted in behalf of the retiring secretary, Miss Mary E. Budd, Mount Holly. Miss Budd served as secretary for three years, following the death of her father, Henry I. Budd, who held the office for 13 years.

Resolutions were also adopted favoring more practical education in the public schools, particularly along the line of horticulture and agriculture.

The will of George Wainwright, nurseryman and florist, who died on December 31, 1907, at the age of 82 years, has been filed for probate. Mr. Wainwright leaves all his property to his children. No inventory has yet been made of his estate. John Wainwright and David A. Brown are named as the executors. The heirs are John Wainwright, Miss Rebecca Wainwright, Mrs. Alice A. Kemp, children, and Charles and George Wainwright, grandchildren.

Mr. Wainwright had been in business for 50 years and was very highly respected. He sold his property for building purposes last July.

BALTIMORE.—The past week showed increased activity in both cut flower and design work.

A number of Baltimore florists will attend the meeting and exhibition of the American Carnation Society in Washington, D. C.

Messrs. Olmsted, Carriere and Brunner, landscape architects, upon request have been here to inspect that part of the city east of the City Hall, to Center Market Space, and Jones' Falls, with a view of formulating plans for a civic center and boulevard. It is proposed to convert the stream into a boulevard by covering it for about two miles, from Baltimore street to North avenue; and the section on Fayette street between the City Hall and the Falls, with the present and proposed public buildings, will also be widened and beautified. C. L. S.

FARGO, N. D.—The North Dakota Horticultural Society, at its annual meeting, elected the following officers: President, C. B. Waldron, agricultural college; treasurer, Professor Thompson, state school of forestry, Bottineau; executive board, Clark Kelley, Devil's Lake; L. A. Ueland, Edgely; Oscar Will, Bismarck; E. W. Hazeltine, Grand Forks, and Mrs. Devine, Fargo.

DAYTON, O.—Business in cut flowers continues good, mostly for funeral work. Roses, carnations, hyacinths, narcissus, lily of the valley and daffodils are in fine shape and bring good prices. Plant trade is not as good as it might be.

One day last week I picked about a dozen dandelion blooms in my yard, but now we are having cold weather, with the sun nice and bright.

Visitors: Fred. Beerhorst, Holland; W. C. Johnson, Cambridge, O. H. H. R.

FIRES.

SIEMAN, TEX.—On January 14 a fire in the boiler room of the greenhouse of the Texas Nursery Company caused a loss of \$1,000.

Plant Culture

By GEORGE W. OLIVER

OF THE BUREAU OF PLANT INDUSTRY,
UNITED STATES DEPARTMENT OF AGRICULTURE
LATE PROPAGATOR TO THE
UNITED STATES BOTANIC GARDEN,
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A Standard Work Written by Request of the Publishers of the Florists' Exchange

A WORKING hand book of every day practice for the Florist and Gardener, and those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experience of the writer.

The plants dealt with comprise those which are commercially handled by Florists, Gardeners and Nurserymen, and include Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines, and a chapter on miscellaneous subjects in connection with the above.

This reliable cultural book has been gotten up for use not ornament, therefore the price has been fixed at a figure within the reach of all, while it contains more real practical information for those for whom it is intended than is found in much more pretentious works costing five, ten and twenty times as much money. Cloth; strongly bound to stand rough handling and plenty of it. Price, \$1.00, by mail, postpaid. Send for sample pages, free.

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ASPARAGUS SEED

PLUMOSUS

1000	at	\$3.50	per	1000
5000	at	3.25	per	1000
10,000	at	3.00	per	1000

Maryland Grown Valley

PIPS	\$5.00	per 1000
CLUMPS	6.00	per 100

Fisher Carnations

\$10.00 per 1000

WELL ROOTED CARNATION CUTTINGS

Rose Pink Enchantress	100	1000	\$1.00	\$25.00
Enchantress	2.50	20.00		
Mrs. Lawson	2.50	20.00		
Genevieve Lord	2.00	18.00		
White Perfection	3.00	25.00		
Lady Bountiful	3.00	25.00		
Boston Market	2.00	15.00		
White Enchantress	6.00	50.00		
Winsor	6.00	50.00		
Aristocrat	6.00	50.00		
Mabelle	6.00	50.00		

THE FLORISTS' EXCHANGE, Baltimore, Md.
Franklin and St. Paul Sts.

CARNATIONS

Rooted Cuttings of all the new and standard market varieties. Send for price list.

WM. SWAYNE

Box 226 Kenneth Square, Pa.

The New Carnation Afterglow

Winner of the following prizes at the Washington Exhibition of the A. C. S. held this week :

The A. C. S. Silver Medal. The S. A. F. Bronze Medal, for best 100 blooms of Lawson shade of pink. Also awarded The Silver Cup, offered by W. J. Vonderheide for the best 100 blooms of any variety to be disseminated in 1908.

Gold Medal by the Rhode Island Horticultural Society at Providence, Nov., 1907. (Exhibited by Wm. Nicholson)

Craig Silver Cup by the Pennsylvania Horticultural Society at Philadelphia, Nov., 1907. (Exhibited by Dailedouze Bros.)

First Prize by the St. Louis Horticultural Society at St. Louis, Mo., Nov., 1907. (Exhibited by E. G. Hill Co.)

First Prize by the State Florists' Association of Indiana at Indianapolis, Nov., 1907. (Exhibited by the Originator)

Scored the highest number of points of any seedling exhibited at the Toronto Exhibition of the A.C.S. Jan., 1907, after arriving 24 hours late from Framingham, Mass.

Aside from these honors, the fact that it has been grown successfully wherever it has been tried, is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation for well grown, well rooted cuttings at

\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

WILLIAM NICHOLSON, The E. G. HILL CO., DAILLEDOUZE BROS., R. WITTERSTAETTER, Framingham, Mass. Richmond, Ind. Flatbush, Brooklyn, N.Y. Originator, Sta. F, Cincinnati, O.

New Carnation, PRESIDENT SEELYE

The unexcelled white; a seedling of MRS. T. W. LAWSON x THE QUEEN; now in its fourth year.

A large, well-formed flower, free and fragrant, easy to grow and does best in a temperature of 50 to 52. Calyx does not split.

Long, stiff stems from the start; a constant bloomer. Every cutting guaranteed well rooted and free from disease. The trade is invited to visit the greenhouses and see it growing. \$10.00 per 100, \$75.00 per 1000. ORDERS Booked Now for JANUARY DELIVERY H. W. FIELD, Northampton, Mass.

ROOTED Carnation CUTTINGS

CUTTINGS are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

WHITE:	100	1000
WHITE ENCHANTRESS	\$6 00	\$50 00
WHITE PERFECTION	3 00	25 00
WHITE LAWSON	2 00	18 00
QUEEN LOUISE	2 00	18 00
PINK:		
WINSOR	6 00	50 00
ARISTOCRAT	6 00	50 00
PINK IMPERIAL	6 00	50 00
ROSE PINK ENCHANTRESS	3 50	30 00
ENCHANTRESS	2 50	20 00
HELEN GODDARD	2 50	20 00
LAWSON	2 00	18 00

RED:		
BEACON	6 00	50 00
VICTORY	3 00	25 00
ROBT. CRAIG	3 00	25 00
CRIMSON:		
HARLOWARDEN	2 00	18 00
VARIEGATED:		
MRS. PATTEN	2 50	20 00

Add \$1.00 per 100, \$10.00 per 1,000 to above prices for 2 in. pot plants.

Recent Introductions { AFTERGLOW } \$12.00 per 100
{ LLOYD } from 2 in. pots.
S. J. REUTER & SON, Inc.,
WESTERLY, R. I.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.

Enchantress, White Perfection, White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000.

Queen, Boston Market, Pink Lawson, H. Goddard, \$1.50 per 100; \$15.00 per 1000.

Victory, \$2.50 per 100; \$25.00 per 1000.

Craig, \$2.50 per 100; \$20.00 per 1000.

Cardinal, \$2.00 per 100; \$17.50 per 1000.

Harlowarden, \$1.50 per 100; \$15 per 1000.

Cash with order or satisfactory references. SMITH & GANNETT, Geneva, N. Y.

ROOTED CUTTINGS OF THE PUREST WHITE ENCHANTRESS

We believe we have the largest and best stock in the country. The reason for this statement is that we were first in the market with this grand pure White. Orders now being booked for January and later delivery at \$6.00 per 100, \$50.00 per 1000. Also a large stock of Winsor, Pink Enchantress, Lawson and other commercial varieties.

MICHIGAN CUT FLOWER EXCHANGE, Inc. 38-40 Broadway, DETROIT, MICH.

UNROOTED Carnation Cuttings

WINSOR, PINK IMPERIAL	1000	\$30.00
VICTORY, WHITE PERFECTION	15.00	
ENCHANTRESS	10.00	

Can fill any size order same day as received!

ROOTED	100	1000
WINSOR, PINK IMPERIAL	\$6 00	\$50 00
VICTORY, WHITE PERFECTION	3 00	25 00
ENCHANTRESS	2 50	20 00

An unusually fine lot of SCOTT FERNs in 7-in. pans, \$6.00 per dozen.
LARCHMONT NURSERIES, Larchmont, N. Y.

WHITE ENCHANTRESS ROOTED CUTTINGS
\$6.00 per 100; \$50.00 per 1000.
E. SCHRADER,
NEW SPRINGVILLE, Richmond Borough, N. Y.

CARNATIONS
Winsor, \$6.00 per 100; \$50.00 per 1000. White Perfection and Robert Craig, \$4.00 per 100; \$35.00 per 1000. Harry Fenn, Octoroon, Lawson and Patten, \$3.00 per 100; \$25.00 per 1000. Maceo, Fair Maid and Boston Market, \$2.00 per 100; \$16.00 per 1000.
LITTLEFIELD & WYMAN, North Abington, Mass.

Rooted Carnation Cuttings
It will pay you to send for my catalogue and price list of the best novelties and standard varieties before buying.
A. F. LONGREN, Des Plaines, Ill.

ANNOUNCEMENT
Our new seedling carnation TOREADOR will not be disseminated until January, 1909. For further particulars address THE H. WEBER & SONS CO., OAKLAND, MD.

NEW CRIMSON CARNATION
HARVARD

The color of this novelty is a very rich crimson. The blooms are of the finest as to size and quality and the habit is free and continuous, every shoot producing a flower with a calyx which we guarantee as non-bursting. Blooms borne on long, wiry stems from 24 to 30 inches and over. Price \$12.00 per 100, \$100.00 per 1000. Usual discount on large quantities.

New Carnation FAUST (BRILLIANT SCARLET) This novelty very fine for commercial use, owing to its extreme ductiveness; a fine one for Christmas trade. Color, form, stems, habit and productiveness all that can be desired. Price \$6.00 per 100, \$50.00 per 1000. Usual discount on large orders.

Mr. J. D. COCKCROFT, Northport, N. Y.

Dear Sir:—We desire to congratulate you on the two varieties of Carnations, GEORGIA and HARVARD, which you have been sending us. Georgia we consider to be the best white carnation that comes to New York, and can easily sell from 50% to 100% more than regular white. Harvard we think to be the best dark red coming here, easier to sell at double the price of any other dark red. With kindest regards, we remain,
Yours truly,

ADDRESS ORDERS TO **JAMES D. COCKCROFT, Northport, L. I., N. Y.** **REMEMBER WE GUARANTEE SATISFACTION**

Standard Varieties
Strong, Healthy, Rooted Cuttings

	Per 100	Per 1000
Winsor	\$6.00	\$50.00
Rose Pink Enchantress	3.00	25.00
Enchantress	2.50	20.00
Lawson	2.00	15.00
Queen	2.00	12.50
Victory	2.50	20.00
Queen Louise	2.00	15.00
Red Sport	2.50	20.00
Pink Patten	3.00	25.00

Carnation Cuttings

DEPEND

on receiving only **STRONG** and **HEALTHY** cuttings when you order from **US**.

We have only the **NICEST** and **BEST** varieties.

Write for further information and prices.

Guttman & Weber

The Wholesale Florist of New York
43 West 28th Street

Grower
Lynbrook, L. I.

- Victory Imperial Pink Imperial
Aristocrat Winsor
Welcome White Perfection Lieut. Peary
Rose Pink Enchantress, etc.

CARNATIONS NOW READY

AFTERGLOW, the 1908 pink, and **BRITANNIA**, the English scarlet, \$12.00 per 100; 2½ in. pot plants, \$16.00 per 100.

ARISTOCRAT, **WINSOR**, **IMPERIAL**, **BEACON** and **PINK IMPERIAL**, at \$6.00 per 100; \$50.00 per 1,000.

WHITE PERFECTION, **ROBERT CRAIG**, **VICTORY**, **MRS. PATTEN**, **LADY BOUNTIFUL** and **ENCHANTRESS**, at \$3.00 per 100; \$25.00 per 1,000.

QUEEN, **PEARY**, **MY MARYLAND**, **FAIR MAID**, **LAWSON** and **VARIEGATED LAWSON**, \$2.50 per 100; \$20.00 per 1,000.

Now looking orders for **GRAFTED ROSES** of all standard varieties. **BRIDES**, **BRIDESMAIDS**, **RICHMOND**, **KILLARNEY**, etc.

Send for complete list.

CHARLES H. TOTT, Madison, N. J.

CARNATIONS

White Enchantress	100	1000
Rose Pink Enchantress	\$5.00	\$45.00
Enchantress	2.50	22.50
Victory	2.00	18.00
Harlowarden	2.25	20.00
Prosperity and Gaeithe, rooted, to order.	1.50	15.00
Strong, univided DAHLIA CLUMPS .		
White Swan	Per 100	\$5.00
Prince Blenarck		5.00
Clifford Brutton		5.00
Glowing Coal		5.00
KRAMER BROS., FARMINGDALE, L. I., N. Y.		

CARNATION SPECIALTIES

Rooted Cuttings of the following now ready.

WINSOR	100	1000
WHITE PERFECTION	\$6.00	\$50.00
ENCHANTRESS	4.00	
WHITE LAWSON		2.50
M. A. PATTEN		20.00
RED SPORT		2.00
PINK LAWSON		15.00
QUEEN		2.00

250 at 10/0 rates. Cash with order please. Our stock is O. K. in every way.

VALLEY VIEW GREENHOUSES, Marlborough, N. Y.
VELIE BROS., Props.

The Test ^{is} Tells The Story

When growers, who buy by the hundred the first season, order thousands the next **IT MEANS MERIT**

BEACON CARNATION

Occupies this enviable position. As an all Winter Blooming Scarlet

IT HAS NO EQUAL

Strong, vigorous, healthy cuttings ready now, per 100 \$6.00, per 1000 \$50.00

WINSOR	100	1000	ROSE ENCHANTRESS	100	1000
\$6.00	\$50.00	8.00	\$4.00	\$35.00	25.00
1.00	5.00				

Make all Money Orders payable on **NORWOOD, MASS.**

PETER FISHER, - - Ellis, Mass.

Carnation Cuttings

EXTRA STRONG WELL ROOTED

Andrew Carnegie, scarlet Harlowarden, the best scarlet for you to grow	100	1000	Red Chief, scarlet, produces 2-1 of any other scarlet	100	1000
\$12.00	\$100.00	6.00	\$6.00	\$50.00	\$50.00
Aristocrat, beautiful cerise long stems	6.00	50.00	White Enchantress, large stock of the true, pure white	6.00	50.00
Welcome, silvery pink, very good	6.00	50.00	Rose Pink Enchantress	3.00	25.00
Winsor, silvery pink, good producer	6.00	50.00	White Perfection	3.00	25.00
Beacon, orange scarlet	6.00	50.00	Daybreak Lawson or Melody	3.00	25.00
			Victory, good scarlet	3.00	25.00
			Enchantress, large stock	2.50	20.00

Special prices on large quantities. Send us your order.

CHICAGO CARNATION CO., A. T. PYFER, Joliet, Ill.
Manager.

AS a matter of Business Policy it pays to satisfy a customer. This I am aiming to do in order to have your good will as well as your trade. Rest assured that I will do all in my power to satisfy you, for I am well equipped (better than ever) to supply you.

CARNATION ROOTED CUTTINGS

of high grade and can give prompt delivery. Pure **WHITE ENCHANTRESS**, **BEACON**, **WINSOR**, **ARISTOCRAT**, **PINK IMPERIAL**, \$6.00 per 100, \$50.00 per 1000. **ROSE PINK ENCHANTRESS**, **WHITE PERFECTION**, **VICTORY**, \$3.00 per 100, \$25.00 per 1000. **ENCHANTRESS**, **M. A. PATTEN**, **HELEN GODDARD**, **HARLOWARDEN**, \$2.50 per 100, \$20.00 per 1000.

Also all the best novelties of the season's introduction at the introducer's prices.

Drop me a line.

S. S. SHIDELSKY, 1741 No. 18th St., PHILADELPHIA, PA.

EVERYONE BUYS LLOYD

LLOYD THE BREAD and BUTTER CARNATION

The only everblooming large-flowering white carnation in existence.

LLOYD is the best all-around carnation ever produced.

LLOYD will give you more flowers than any carnation you can grow.

Size, stem, fragrance, keeping and shipping qualities cannot be excelled.

LLOYD will not disappoint you.

ROOTED: \$2.00 per dozen; \$12.00 per 100; \$100.00 per 1000.

UNROOTED: \$6.00 per 100; \$50.00 per 1000.

H. A. JAHN, - - NEW BEDFORD, MASS.

CARNATIONS

	Per 100	Per 1000
Winsor	\$6.00	\$50.00
White Enchantress	6.00	50.00
Aristocrat	6.00	50.00
Beacon	6.00	50.00

December 15th or later delivery.

JENSEN & DEKEMA, 674 W. Foster Av., CHICAGO, ILL.

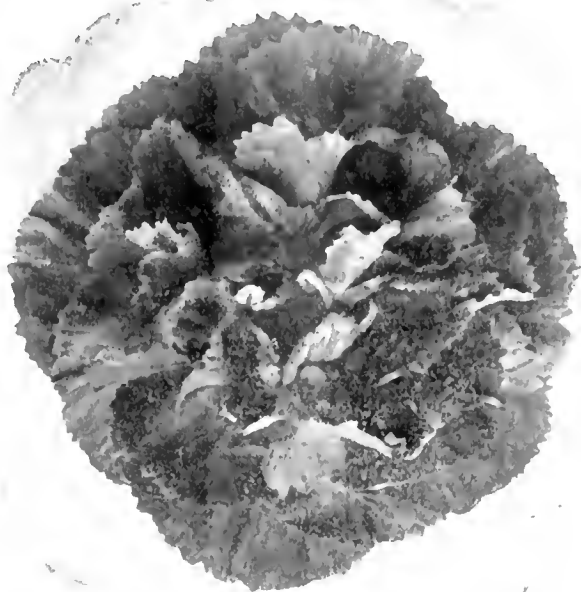


A PENNY SAVED IS WORTH TWO EARNED

Save your Pinks from Splitting by using the **M. & D. ARTIFICIAL CALYX** Free Sample. Send for one and be convinced of its merits



MAXFIELD & DIMOND, Pat. Sept. 18-06
P. O. Box 3044, WARREN, R. I.



AVERAGE SIZE FULLY 3 INCHES.

DEFIANCE

Is the **ONLY** scarlet to grow for quality and quantity. It is of perfect form and habit and is unexcelled for productiveness. We can still promise February delivery on a few orders. Better send us your order at once * *

\$12.00 per 100; \$100.00 per 1000

Usual discount on larger orders.

JENSEN & DEKEMA

674 W. Foster Ave., CHICAGO

W. N. RUDD

Morgan Park, Ill.

ROOTED Carnation Cuttings

PINK		
ARISTOCRAT	100	1000
WINSOR	6.00	50.00
ROSE PK. ENCHANTRESS	3.50	30.00
ENCHANTRESS	3.00	25.00
LAWSON	2.50	20.00
JOOST	2.00	15.00
WHITE		
WHITE PERFECTION	3.00	25.00
ENCHANTRESS	6.00	50.00
LAWSON	3.00	25.00
QUEEN	2.00	18.00
BOSTON MARKET	2.00	18.00
LOUISE	2.00	18.00
LT. PEARY	3.00	25.00
BOUNTIFUL	2.50	20.00

RED		
BEACON	6.00	50.00
VICTORY	3.00	25.00
ROBERT CRAIG	3.00	25.00
FLAMINGO	2.50	20.00

MISCELLANEOUS		
PATTEN	2.50	20.00
HARRY FENN	2.50	20.00
HARLOWARDEN	2.50	20.00

Stock guaranteed. Prompt deliveries.

THE LEO NIESSEN CO.,
Wholesale Florists,
1209 Arch St., PHILADELPHIA.

	100	1000
White Enchantress	\$6.00	\$50.00
Winsor	6.00	50.00
Beacon	6.00	50.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Enchantress	2.50	22.50
Lady Bountiful	2.50	20.00

Healthy Rooted Cuttings.

White Fair Maid
ROOTED CUTTINGS
\$10.00 per hundred; \$75.00 per thousand
WELCH BROS.,
226 Devonshire St., BOSTON, MASS.

WINONA

The True Pink Carnation for 1908.

A color that attracts attention.
Once seen, always wanted

Comes nearest to Plancee, but is a different type flower. Never Bursts—Every Calyx Perfect. Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock, clean and healthy. Will guarantee every cutting to be first-class. Order now for early delivery. Price, \$12.00 per 100; \$100.00 per 1000. Larger lots, prices on application. With our additional glass we have more than doubled our stock our stock of Carnation plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER:

	100	1000		100	1000
RED CHIEF, bright scarlet	\$5.00	\$40.00	ROSE-PINK ENCHANTRESS, pink	3.00	\$25.00
BONNIE MAID, pink, edged white	5.00	40.00	ENCHANTRESS, light pink	3.00	25.00
ARISTOCRAT, cerise	6.00	50.00	LADY BOUNTIFUL, white	3.00	25.00
WINSOR, pink	6.00	50.00	VICTORY, scarlet	3.00	25.00
BEACON, orange scarlet	6.00	50.00	DOROTHY WHITNEY, yellow	4.00	30.00
WHITE ENCHANTRESS, white	6.00	50.00	MRS. PATTEN, variegated	3.00	
WHITE PERFECTION, pure white	3.00	25.00	HARRY FENN, crimson	3.00	

F. DORNER & SONS CO., Lafayette, Ind.

CARNATIONS

Rooted Cuttings; Fine Healthy Stock

READY NOW:	Per 100	Per 1000
Winsor	\$6.00	\$50.00
White Enchantress	6.00	50.00
Helen M. Gould and Beacon	6.00	
Melody	4.00	
Dahelm	3.00	

Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson 3.00 25.00
Have a few hundred in 4 and 5 in. pots of above varieties. Write for list.

ASPARAGUS

	Per 100	Per 1000
Sprengerl, from 3 in. pots	\$5.00	
Plumoseus Nanus, from 2 1/2 in. pots	4.00	

VERBENAS

	Per 100	Per 1000
Best Mammoth	\$1.00	\$8.00

MISCELLANEOUS

	Per 100	Per 1000
Ageratum, Cope's Pat, White Cap, P. Pauline, S. Gurney, L. Bonnett	\$1.00	\$8.00
Achyranthes, best varieties	1.00	8.00
Ampelopsis Vetchill, pot grown	8.00	
Coloee, best bedding and fancy sorts	1.00	8.00
Cuphea Platycentra	1.25	
Fuchsia, double and single	2.00	15.00
Feverfew, double white	1.50	12.00
Geraniums, best double and single	2.00	15.00
Heliotrope, light and dark	1.25	10.00
Ivy, German	1.50	
Moon Vine, true, white	2.00	15.00
Salvia Splendens and Bedman	1.25	10.00
Five early flowering sorts	1.50	12.00

WOOD BROTHERS, FISHKILL, N. Y.

CARNATIONS

R. G. Queen Louise and Harlowarden, \$1.50 per 100, \$10.00 per 1000. SALVIA, R. G. Bonfire, 60c. per 100, \$5.00 per 1000. GERANIUMS, Grant and Nutt, 2 in. pots, \$2.00 per 100, \$15.00 per 1000. Cash with order please.

JACOB KOL, East Nutley, N. J.

VICTORIA

NEW SEEDLING, crossed by Lawson and Harry Fenn, the color of Lawson and the long stem of Harry Fenn; it is more prolific than either. Lawson is past. Victoria is better than Lawson ever was, and gave us last Winter from 20 to 95 per cent, more blooms each month. It is very healthy and a nice grower. I have two houses of it, and it is a sight to see the buds and blooms. It brings more money in the market than Lawson. Read below what J. A. Budlong & Sons Company of Auburn, R. I., say of it. They are growing it this Winter. J. A. Budlong & Sons Company are one of the largest market gardeners in New England, also the largest rose and carnation growers in Rhode Island.

December 10, 1907.
Mr. J. H. Cushing, Quidnick, R. I.
Dear Sir: We have 175 plants of your new seedling Victoria carnation which we planted in house the last of July. They

have made fine plants and we think now will produce as many flowers, if not more, than any carnation we ever grew. The stems are stiff and good length. The flower is also a good keeper.

We have sold these flowers in several instances to some of our best trade in Boston, who thought they were a long-stemmed Lawson.

Up to date, we have cut 4768 flowers from the 1175 plants, and there are as many buds in sight to-day as there have been any time since we started to cut. In other words, the cut has been very uniform and looks as if it would continue so throughout the Winter.

We do not think that you will make any mistake by putting this carnation on the market.

Yours truly,
THE J. A. BUDLONG & SONS CO.
Price of Victoria rooted cuttings, \$75.00 per 1000; \$8.00 per 100; 250 at 1000 rate.

ROOTED CUTTINGS

	WHITE	100	1000	RED
Queen	\$1.50	\$12.50		Red Chief
Perfection	3.00	25.00		Victory
				Robert Craig
				Harry Fenn
PINK				
Winsor	5.00			
Aristocrat	5.00			
Enchantress	2.00	15.00		
Rose Enchantress	3.00	25.00		
VARIEGATED				
Mrs. Patten			2.00	17.50

QUIDNICK GREENHOUSES

J. H. Cushing, Prop., Anthony P. O., QUIDNICK, R. I.

CARNATIONS ROOTED CUTTINGS Ready Now

Aristocrat, Beacon and Winsor, \$6.00 per 100, \$50.00 per 1000.	White Perfection, \$3.00 per 100, \$25.00 per 1000.
Enchantress and J. Haines, \$2.50 per 100, \$20.00 per 1000.	Lawson, \$2.00 per 100, \$15.00 per 1000.

Grown cool and well-rooted. If you have already placed your orders for this season, try just a hundred in order to get acquainted with the stock I send out.

ALBERT M. HERR, - - - Lancaster, Pa.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
54 WEST 28th STREET, NEW YORK.
Telephone: 3550 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

BARGAIN PRICES IN A NO. 1 PLANTS

VARIETIES OF ERICAS FOR EASTER GROWING

Erica Cupressina, well budded, pink, 4 in. pots, dozen, \$3.00; 100, \$20.00.
Erica Cavendishi, for growing on, yellow, 3 1/2 in. pots, dozen \$2.00.
Erica Cavendishi, well budded, 5 1/2 in. pots, doz. \$18.00; 100 \$100.00.
Erica Cavendishi, well budded, 5 in. large, doz. \$30.00; 100 \$200.00.
Erica Persolita Rubra, well budded, light pink, doz. \$2.50; 100 \$20.00.
Erica Transluens, well budded, 4 in., pink trumpet, doz. \$3.00; 100 \$25.00.
Erica Transluens, well budded, pink trumpet, 5 1/2 in. pots, doz. \$24.00; 100 \$150.00.
Boroovia Elatior, red, fine, 4 1/2 in. pots, doz. \$2.00; 100 \$15.00.
Boroovia Elatior, red, fine, 5 1/2 in. and 5 in. pots, doz. \$16.00; 100 \$100.00.
Genista Raecmosus, fine, globular-shaped plants, from 5 in. pots, doz. \$4.00; 100 \$30.00; larger plants, 6 in. pots, doz. \$12.00; 7 in. pots, doz. \$18.00.
Specimens and Standards, \$2.00 each.

FOR EASTER BLOOMING

Azalea, Princess Victoria, finest pink, new, doz. \$6.00; 100 \$40.00.
Azalea, new lavender color, 10 to 12 in. crowns, \$12.00 per doz. No other such nice color among azaleas; fine, large, bushy plants.

BLOOMING NOW!

Epacris alba, 4 in. pots, doz. \$2.00.
Primula obconica, 4 1/2 in., doz. \$2.00.
Cyclamen Persicum, 5 in. pots, doz. \$4.00; 100 \$35.00.
Daisy Plants, well budded, 7 in. pots, doz. \$9.00; 100 \$60.00.
Daisy Plants, 3 in. pots, 75c. doz.; \$6.00 per 100.
Ardisia Crenulata, loaded with red berries, 5 in. pots, \$1.00 each; 6 in. pots, \$1.50 each. Combinations, 9 in. Azalea pans, 4 and 5 in a pot, \$3.00 each.
Oranges, well fruited, 5 1/2 in. pots, doz. \$18.00; 6 in. pots, doz. \$24.00; 7 and 8 in. pots, specimens, \$5.00 and \$6.00 each.

FERNS

Boston Ferns, 2 1/2 in. pots, doz. \$1.00; 100 \$6.00.
Boston Ferns, 4 in. pots, doz. \$2.00; 100 \$15.00.
Whitmani Ferns, 2 1/2 in. pots, doz. \$1.00; 100 \$35.00.
Whitmani Ferns, 3 1/2 in. pots, doz. \$2.00; 100 \$35.00.
Whitmani Ferns, 5 1/2 in. pots, doz. \$9.00; 100 \$60.00.
Whitmani Ferns, large, \$1.50 each.

ANTON SCHULTHEIS, 316 19th St., P. O. Box 78, COLLEGE POINT, L. I., N. Y.
Telephone: 1682 Flushing

Scottii Ferns, 2 1/2 in. pots, doz. \$1.00; 100 \$5.00.
Scottii Ferns, 6 in. pots, doz. \$6.00; 100 \$50.00.
Cibotium Schiedei, 5 in. pots, doz. \$18.00.
Cibotium Schiedei, 7 and 8 in. pots, doz. \$24.00.

FOR GROWING ON!

Erica Fragrans, the great Christmas variety, 4 1/2 in. pots, 100 \$15.00.
Erica Reegermanns, white Christmas variety, 4 1/2 in. pots, doz. \$2.00.
Erica Arborea, new, 4 1/2 in. pots, doz. \$3.00.
Baby Rambler Roses, 5 in. pots, in growing condition, doz. \$6.00; 100 \$45.00.
Baby Rambler Roses, 5 and 5 1/2 in. pots, dormant, doz. \$5.00; 100 \$35.00.
Baby Rambler Roses, Annie Muller, 6 in. pots, started, doz. \$9.00; 100 \$60.00.
Baby Rambler Roses, Annie Muller, 5 in., dormant, doz. \$6.00; 100 \$45.00.
Hiawatha, started, 6 in. pots, doz. \$9.00; not started, doz. \$7.00.
Asparagus Plumosus, 3 1/2 in. pots, doz., \$1.00; 100 \$10.00.
Asparagus Plumosus, 4 1/2 in. pots, doz. \$3.00; 100 \$20.00.
Apidistra, green, low and bushy, 5 in. pots, doz. \$9.00.
Apidistra, green, taller, 6 in. pots, doz. \$12.00.
Gardenias, 3 1/2 in. pots, doz. \$2.00.
Araucaria Exceelsa, 6 1/2 in. pots, doz. \$6.00; 6 in. pots, \$9.00 and \$12.00 per doz.
Kentia Belmoreana, from \$1.00, \$1.50, \$2.00, \$2.50 to \$3.00 each; fine and perfectly shaped plants.
Rubbers, \$5.00 and \$9.00 per doz.; 3 in a pot, \$2.50 each.

BOXWOOD

BOXWOOD BUSHES, 100
12 in. tall \$22.00
15 in. tall \$25.00
18 in. tall \$30.00
20 to 24 in. tall \$50.00
24 to 28 in. tall \$75.00
BOXWOOD STANDARD CROWNS, Pair
14 in. stem, 10 in. crown diameter \$2.00
18 in. stem, 12 in. crown diameter 2.50
18 in. stem, 15 in. crown diameter 3.00
18 in. stem, 18 in. crown diameter 3.50
18 in. stem, 20 in. crown diameter 4.00
36 in. stem, 16 in. crown diameter 3.50
22 in. stem, 24 in. crown diameter 5.00
BOXWOOD PYRAMIDS in tubs, Pair
4 ft. high \$8.00
4 ft. 6 in. high 9.00
5 ft. high 10.00

Above prices are net. Cash with order. No charges for cases or packing.

A FEW GOOD THINGS YOU WANT

Cash with Order.
Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.
Asparagus Sprengerii, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.
ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.
Iracena Indivisa, 2 in., \$3.00 per 100.
FERNS, Scottii, 5 in., 20c. each.
Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Polvevine and Vland, 2 in. pots, \$3.00 per 100. Rooted Cuttings, \$1.50.
VINCA VAR., 2 in., \$2.00 per 100.
Cash with order; do C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.
GEO. M. EMMANS, NEWTON, N. J.

AMPELOPSIS VEITCHII

50 strong well-rooted, transplanted, 18 to 24 inch tops, heavy roots, \$2.50 per 100. 10,000 well-rooted, 20 to 30 inch, \$2.50 per 100; \$20.00 per 1000. 1000 one-year seedlings, 12 to 24 inch, \$1.50 per 100; \$12.00 per 1000. In pots of 2000 and over, \$10.00 per 1000; fine for transplanting; packed free of charge. For samples by mail send 25c. in stamps.
Address, CHARLES BLACK, Hightstown, N. J.

SMILAX

Cut Strings of Smilax, 7 ft., extra heavy in flower, 12 cts per string, C. O. D.
George H. Benedict, Yorkville, N. Y.

WHOLESALE MARKET
For Flowering and Decorative Plants
OF THE
New York and New Jersey Association
of Plant Growers
43 West 27th Street, NEW YORK CITY

CYCLAMEN CANADIAN NEWS
EDMONTON, ALBERTA.—The past Christmas trade was as successful as could be expected; many more orders were received than last year, but they were invariably smaller in amount. About \$2 would be the average of the Christmas orders. Roses were in short supply; carnations were fairly plentiful, and chrysanthemums equal to the demand. In plants azaleas were good, but proved slow sellers. Cyclamen, primroses and Roman hyacinths were the favorites. Baskets went slowly this year.
Business has been and is fairly good, but a large proportion is credit, for Edmonton is no exception to the rule in the scarcity of ready cash.
This has been an exceptionally mild Winter; the weather has probably been the most pleasant I have experienced since I have been in the country. We have had a great many sunny days, but being so far north this does not amount to as much as would be generally supposed. Although the sun is above the horizon for about six hours on the shortest day, it keeps so low down that to all practical purposes it is continuous shade, except to the front house of the block. Bulbs are now coming on fine; Golden Spur narcissus being especially good at present.
FRED BENNETT
TORONTO, CAN.—Business, although not as good as last year at this time, is still better than some of us expected. There is not nearly so much entertaining going on, but stock is not over-plentiful, excepting in a few lines. Violets and cactuses are a little in over-supply and are offered rather low, but other stock is firm. Bulbous flowers are coming in more freely. Roses and carnations are selling well, but few being left over.
The failure of A. E. Jennings a few days ago was a bad one. The bank had secured the book debts, and as there was considerable rent owing, the landlord got the stock—the growers got the fun. Several of them got hit hard, but take it quite philosophically.
The Dutch invasion has set in; J. H. Hockmann, representing C. Petrick and others, and W. Taat, representing K. J. Kuyk, were in St. Lawrence market on Saturday last.
THOS. MANTON.

Asparagus
Sprengerii, 2 in. 2c.
SWAINSONA Alba, 2 in., 2c.
Petersoni and Elegantisima, 2 in., 3c.
IM-PATIENS, 4 in., 2c.
CABBAGE PLANTS, Wakefield, Express, and Winnigs-Gadt, \$1.00 per 1000.
ROOTED CUTTINGS below prepaid per 100.
Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c; Heliotrope, 3 kinds, \$1.00; Vinca Variegata, 90c; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Flowering Begonias, \$1.25. Coleus, 10 kinds, 60c; Hardy Pinks, 5 kinds, 75c; Ageratum, Gurney, Pauline, Inimitable, white, 60c; Alternanthera, 3 kinds, 50c; Salvia, Bonfire, Splendens, 90c; Feverfew, Gem, \$1.00; Impatiens, 3 kinds, \$1.00; Parlor Ivy, 75c.
Cash or C. O. D.
BYER BROS., Chambersburg, Pa.

J. L. DILLON
BLOOMSBURG, PA.
The Verbena King
Our Specialties
Verbenas, Roses and Carnations
Send for Circulars

FRINGED Double Petunias
Rooted cuttings by mail..... Per 100
LANTANAS, 4 in. dwarf, rooted cuttings..... 1.25
ABUTILON, R. C., six varieties, French dwarf..... 1.50
GAZANIA Splendens, R. C..... 1.50
HELIOTROPE, dark, from soil..... 1.00
WEEPING LANTANAS, from soil..... 1.25
ASPARAGUS, Sprengerii, 3 in., very strong..... 5.00
PETUNIA, Grandiflora, single in var. R. C..... 1.25
SALVIA, tall and dwarf..... 1.00
STROBIANTHES Dyerianus, R. C..... 1.25
GERANIUMS, Mme. Salleron, R. C..... 1.50
AGERATUM, White and Blue..... .75
Cash with order, please.
GEO. J. HUGHES, Berlin, N. J.

ASPARAGUS Plumosus, 2 in., \$2.25 per 100; \$20.00 per 1000.
STOCKS, double white, 5 in., 10c.
REX BEGONIA, separate varieties, 2 in., strong, \$3.00 per 100.
ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100.
GERANIUMS, S. A. Nutt, Heteranthe, Gloire de France, strong plants, 2 in., \$2.00 per 100; \$19.00 per 1000. Mixed, strong plants, \$1.75 per 100; \$17.00 per 1000.
ARAUCARIA, 20 in., four tiers, \$1.00.
FERNS, Scottii, 4 in., 10c.; 5 in., 15c.
CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.
Will exchange for Geraniums, R. C., Carnations, R. C. Write us.

J. H. DANN & SON
WESTFIELD, N. Y.

Asparagus Sprengerii

3 inch pots, \$4.00 per 100
S. G. BENJAMIN, Fishkill, N. Y.

NEW A MONEY MAKER NEW
CARTER'S
Double Blue Lobelia
\$2.00 per doz.; \$18.00 per 100
Cash with order, please
J. FULLER, 31 Orchard Street, Leominster, Mass.

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

J. K. ALLEN
Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day.
Telephone, 167 Madison Square.
Consignments Solicited

C. BONNET **G. H. BLAKE**
BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4638 Main.
Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

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Sixth Ave. and 26th St.
Coogan Building, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall Space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary.

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LIVERY Ready to Receive Fine Stock
GUNTHER BROTHERS
114 West 28th Street
Phone, 551 Madison Square. NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first class stock solicited.
Prompt returns.
THE SQUARE DEAL
Guaranteed to all who trade here.
44 West 28th Street, NEW YORK
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WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby St.,
Telephone 4591 Main BROOKLYN, N. Y.

J. Seligman Joseph J. Levy
JOHN SELIGMAN & COMPANY
Wholesale Florists
56 West 26th Street.
Tel. 4878 Madison Square, N. Y.
Opposite New York Cut Flower Company

GROWERS OF CARNATIONS WHO HAVE MORE PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 754 Mad. S. 42 W. 28th St., New York.

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Wholesale Florist
CONSIGNMENTS SOLICITED
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THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES. 1664--1665 MADISON SQUARE
ENOUGH SAID

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55 WEST 28th STREET, NEW YORK
Telephone, 4626-4627 Madison Square Established 1891
SPECIAL VALLEY AND TOP GRADE ASPARAGUS
Consignments of First-Class Stock Solicited

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephone, 2200 and 2201 Madison Square
57 West 28th Street NEW YORK

Wholesale Prices of Cut Flowers, New York, Jan. 29, 1908
Prices quoted are by the hundred unless otherwise noted

ROSES	A. BEAUTY fancy-special.....	40.00 to 60.00	CARNATIONS	Inf'r grades, all colors.....	1.00 to 1.50
	" extra	20.00 to 25.00		STANDARD White.....	1.50 to 2.00
	" No. 1	12.00 to 15.00		" Pink.....	1.50 to 2.00
	" No. 2	4.00 to 8.00		VARIETIES Red.....	1.50 to 2.00
	" No. 3	2.00 to 3.00		Yel. & Var.....	1.50 to 2.00
	Bride, Maid fancy-special.....	8.00 to 10.00		" FANCY—White.....	2.00 to 3.00
	" extra	5.00 to 6.00		" (*The highest grades of standard var) Pink.....	2.00 to 3.00
	" No. 1	4.00 to 5.00		Red.....	2.00 to 3.00
	" No. 2	2.00 to 3.00		Yel. & Var.....	2.00 to 3.00
	Golden Gate.....	3.00 to 10.00		NOVELTIES.....	3.00 to 4.00
	RICHMOND.....	3.00 to 20.00		GARDENIAS, per doz.....	1.00 to 6.00
	Mrs. Abel Chateaubay.....	3.00 to 10.00		LILAC, per bunch.....	.50 to .75
	ADIANTEUM.....	1.50 to 1.75		LILIES.....	6.00 to 8.00
	CROWANUM.....	25.00 to 50.00		LILY OF THE VALLEY.....	1.00 to 3.00
	ASPARAGUS.....	12.00 to 15.00		MIGNONETTE.....	3.00 to 6.00
" Plumosa, bunches.....	12.00 to 15.00	NARCISSUS (Paper White).....	1.00 to 1.50		
" Sprengerl, bunches.....	12.00 to 15.00	" Yellow.....	2.00 to 3.00		
CALLAS.....	8.00 to 10.00	POETICUS.....	1.00 to 1.50		
CATTLEYS.....	25.00 to 40.00	SMILAX.....	8.00 to 12.00		
CYPRIPEDIUMS.....	5.00 to 8.00	VIOLETS.....	.30 to .36		
DAISIES.....	2.00 to 3.00	CORNFLOWERS.....	.50 to 1.50		
FREESIA, per bunch.....	.10 to .20	HYACINTHS, Roman.....	.50 to 1.00		
		SWEET PEAS (per doz. bunches).....	1.00 to 1.50		
		TULIPS.....	1.00 to 3.00		

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Liberty, Lilies, Lily of the Valley, Carnations
Telephone, 1998 Madison Square JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463 MADISON SQUARE CUT FLOWERS AT WHOLESALE



B. S. Slinn, Jr.
Wholesale Florist
55 @ 57 West 26th St., New York
VIOLETS Carnations and Roses
Shipping orders receive prompt attention.
Telephone: 3864 Madison Square.

Frank H. Traendly Charles Scheuck
TRAENDLY & SCHENCK
WHOLESALE FLORISTS
44 West 28th Street, New York and Cut Flower Exchange
Telephones: 798 & 799 Madison Square
Consignments Solicited

Samuel A. Woodrow
WHOLESALE PLANTSMAN
Out of town orders promptly attended to
53 West 30th St., NEW YORK
Telephone, 2083 Madison

THOMAS YOUNG, Jr.
Wholesale Florist
41 West 28th Street, NEW YORK
Telephone, 1803 Madison Square
Consignments of Choice Flowers solicited

JERSEY CITY, N. J.—The Journal of January 21, 1908, contains a portrait and a sketch of the career of Alexander Bogie, who for upward of fifty years has grown flowers on a little plot of ground on the edge of the old Pennsylvania Railroad cut at Summit avenue. Although 86 years old, he is almost as active as ever.
Mr. Bogie is now, perhaps, the oldest resident of lower Hudson City. He was born in Dumfries, Scotland, and it was there that he learned gardening. When quite a young man he enlisted in the Queen's Guards. He fell from his horse one day and had both his legs broken. That was the end of his career as a soldier.
About the time he recovered diamonds were being discovered in Australia. Possessing an adventurous spirit, he decided to look for diamonds. He met with fair success, but he didn't care much for the country. It was somewhere about the year 1840 when news reached him that gold had been discovered in California. He promptly sold out his diamond claim and sailed for California. Unfortunately his success as a hunter of gold was not great. He gave up looking for the yellow metal after a time and journeyed to New York, in which city he had been told a fortune was easily acquired. When he arrived in New York he made the discovery that it was necessary for him to go to work if he cared to have enough to eat. So he hired himself out as a gardener. A few years later he went to Jersey City and engaged in the florist business on Lexington avenue. After remaining there about ten years he located on Summit avenue. His specialties are camellias and cacti.

STOUC CITY, IA. The establishment of J. R. Elder, 410 Pierce street, was burglarized recently and about \$1000 in cash and checks stolen. The thief is in custody.

CARNATIONS-Rooted Cuttings

Healthy well-rooted stock the product of the most reliable growers of this locality

Table listing various carnation varieties such as White Enchantress, White Perfection, White Lawson, Queen Louise, Winsor, Aristocrat, Rose Pink Enchantress, Helen Goddard, Lawson, Beacon, Victory, and Craig, with prices per 100 and 1000 cuttings.

NEW CROP SEEDS ASPARAGUS PLUMOSUS NANUS Greenhouse Grown, Hand Selected \$4.50 per 1000. Special price on large quantities

S. S. PENNOCK-MEEHAN COMPANY 1612-14-16-18 LUDLOW STREET, PHILADELPHIA, PA.

BEAUTIES

We have an excellent supply. Quality hard to beat. Let us fill your next order.

The Leo Niessen Co. WHOLESALE FLORISTS 1209 Arch Street, Philadelphia

HENRY M. ROBINSON & CO. WHOLESALE FLORISTS

15 Province St., 9 Chapman Place, BOSTON, MASS. Asparagus and Simlax

TEL. 2617-2618 MAIN. All orders receive prompt and personal attention. Trial order solicited

Roses, Carnations, Lilies, Violets, Valley, Asparagus and Simlax

Pittsburg Cut Flower Co. LIMITED WHOLESALE FLORISTS 222 Oliver Avenue PITTSBURG, PA.

W. E. McKISSICK Wholesale and Commission Florist Business Hours: 7 A. M. to 8 P. M. 1619-21 RANSTEAD ST., PHILA., PA. WILD SMILAX and DECORATIVE MATERIAL

CARNATIONS A SPECIALTY GEO. B. HART, Wholesale Florist, 24 Stone St., ROCHESTER, N. Y. Mfr. Hart's Handy Handle.

BERGER BROS. WHOLESALE FLORISTS No. 1305 Filbert St., Philadelphia Bell and Keystone Phones

H. G. BERNING Wholesale Florist 1402 Pine St., St. Louis, Mo.

PHILADELPHIA CUT FLOWER CO. WHOLESALE FLORISTS 1517 Sansom Street High Grade Cut Flowers Store opens at 7:30 A. M. Closes at 8 P. M.

Cleveland. The dark weather and low temperature have somewhat reduced the quantity of roses and also the quality, but the prices remain as usual. Carnations are still plentiful, and bring from \$3 to \$5 per 100. Bulbous stock is coming in better; tulips seem especially fine this season. Callas and Harrisii lilies are rather scarce yet. Violets, Paper White narcissus and Roman hyacinths are plentiful. There is still a demand for stevia, but it is nearly all gone. George Bate, treasurer of the Cleveland Cut Flower Company, gave a stag affair at his home. Among those present were P. R. Williams, George Herbert, Guy Bate, Herman Knohle, West Side florist; John Kirchner, Charles Bramley and Charles Hanna. All were unanimous in declaring they had a good time. Herman Bate, vice-president of the Cleveland Cut Flower Company and assistant foreman of the P. R. Williams Company, visited Cleveland Saturday and was initiated into the mysteries of "Medicine Ball." Since the Cleveland Cut Flower Company, sales agents for white violets, have been receiving shipments, these flowers are becoming more popular, and deservedly so; they are a beautiful novelty, even if they do lack the fragrance of the purple violet. Mrs. A. L. Brown, formerly with Smith & Fetters, is doing decorations now on her own account. She aims to make them unique and different from others and succeeds very well. Gasser Company are cutting some fine roses. Miss Lulu Schmidt, for so long a time bookkeeper for Smith & Fetters, will be married to James Moore sometime in February, possibly St. Valentine's night. George and Herbert Bate are in Washington. W. E. Davey, of New York, styling himself the "tree physician," is in Cleveland taking care of trees on private grounds; his method of killing the insects is to cover the tree with a large tent and fumigate. O. G.

Wholesale Prices of Cut Flowers-Per 100

Large table with columns for various cities (Boston, Buffalo, Detroit, Cincinnati, St. Paul, Milwaukee, Philadelphia, Pittsburg, St. Louis) and rows for various flower names and varieties (A. Beauty, Bride, Golden Gate, K.A. Victoria, Liberty, Perle, Orchids, Adiantum, Asparagus, Callas, Chrysanthemums, Gladiolus, Lilies, Mimionette, Smilax, Violets).

BOSTON, MASS. WELCH BROS. PROPRIETORS CITY HALL CUT FLOWER MARKET 226 Devonshire Street. Carnots, Orchids, Valley, Carnations, Violets. Can furnish at short notice. Price according to quality of goods. Long Distance Telephone 6267 and 6268

Headquarters in WESTERN NEW YORK For Roses, Carnations And all kinds of Seasonable Flowers. WM. F. KASTING CO. Wholesale Commission Florists Dealers in Florists' Supplies and Wire Designs 383-87 Ellcott St. BUFFALO, N. Y. Give us a trial. We can please you.

EDWARD REID Wholesale Florist 1526 Ranstead St., PHILADELPHIA Bet. Market and Chestnut Streets. CHOICEST STOCK ALWAYS ON HAND Telephone: 1-42-26-A.

PLANT CULTURE PRICE, \$1.00. The best book for the plant grower. T. DE LA MARE PTG. & PUB CO. LT 2-8 Duane St. New York.

ESTABLISHED 1894

Commission Handlers of CUT FLOWERS DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS

Inside Chicago Market Quotations

A complete line of Florists' Supplies, catalogue free. Long Distance Phone, Central-6004

E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago

WHOLESALE CUT FLOWERS and FLORISTS SUPPLIES

C. C. Pollworth Co. Milwaukee, Wis.

The Busiest House in Chicago J. B. DEAMUD & Co. WHOLESALE FLORISTS 51 Wabash Ave.

WIETOR BROS. Wholesale Growers of CUT FLOWERS

51 Wabash Ave., CHICAGO

E. G. HILL CO. Wholesale Florists

RICHMOND, INDIANA

Poehlmann Bros. Co. Wholesale Growers of and Dealers in Cut Flowers

Greenhouses: 35-37 Randolph St., MORTON GROVE, ILL. CHICAGO

ST. PAUL, MINN. Send us your Orders for delivery in the Northwest, which will have our best attention. L. L. MAY & CO., Florists, St. Paul, Minn.

All Leading Varieties of Roses and Carnations PETER REINBERG Wholesale Cut Flowers 51 Wabash Ave., CHICAGO, ILL. Headquarters for American Beauty Rose

New York. The dinner committee of the New York Florists' Club has again chosen the St. Denis Hotel as the place where they will hold their annual banquet.

HOLTON & HUNKEL CO. WHOLESALE FLORISTS and FLORISTS' SUPPLIES

457 Milwaukee St., MILWAUKEE, WIS. Phone, MAIN 874. P. O. Box 103

J. A. BUDLONG 37-39 Randolph Street, CHICAGO.

Roses and Carnations WHOLESALE GROWER of CUT FLOWERS A Specialty

Wholesale Prices of Cut Flowers. Chicago, Jan. 29th, 1908 Prices quoted are by the hundred unless otherwise noted

Table with columns for ROSES (American Beauty) and CARNATIONS (Standard Varieties, Fancy, Novelties). Lists various flower types and their prices per dozen.

Violets Vaughan & Sperry 58-60 Wabash Avenue CHICAGO, ILL.

each day, which precludes the possibility of any retail business being done, so that the retail store men need have no fear that the growers who are attending the market will enter into competition with them in any way by selling plants at retail.

At the wedding of Miss Vanderbilt which took place at her home, Fifty-eighth street and Fifth avenue, on Monday last, the decorations were supplied by the Rosary Flower Company.

Hitchings & Company, the well-known horticultural engineers, announce the removal of their general offices and factories to their new plant, Spring and Louisa streets, Elizabeth, N. J.

A. D. Rose of Montclair, N. J., has been spending a few weeks at Pine Bluff, N. C., for the benefit of his health, and has, we are glad to say, returned to his home very much improved.

R. S. Williams, assistant curator of the New York Botanical Gardens, has sailed for Panama, where he will remain until May, exploring the Isthmus for rare orchids and other floral treasures.

The Carnation Convention held at Washington this week attracted several from New York and vicinity. Among those who left on Monday afternoon

CHAS. W. MCKELLAR ORCHIDS FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS 51 Wabash Ave., Chicago

A. L. RANDALL CO. Western Headquarters for Up-to-Date Florists' Supplies Write for Catalogue Nos. 19-21 RANDOLPH ST., CHICAGO

abandon the idea of holding a flower show for the public.

Theodore Mitchell entertained about twenty club members at his steadily improving establishment with a steak and mushroom supper, moistened up with ginger ale the kind that has the foam on top.

Some useful comparison may be made when considering the product of John Breimeyer's Sons, Mack avenue establishment, which consists of 10,000 square feet of glass. This plant is used principally for forcing and growing of pot plants, as also for storing the many decorative plants needed.

FRANK DANZER.

Indianapolis.

More encouraging reports are received from the retailers than for some weeks previous. Liberal orders for funeral work remove much of the apprehension in the horizon. Counter trade, too, is enlivened at times with a bunch of orders for select stock.

The sale of potted plants is many times an inspiration, as frequently they are given more in favor than cut stock. Tomlinson Hall Market growers are jubilant over the installation of a new lighting system which shows their goods to better advantage.

News Notes.

A. F. J. Baur and Mr. and Mrs. John Bertermann were the only delegates to the Washington convention.

Herman Junge and Carl Sonnen-schmidt visited the New Castle growers this week.

L. N. Weyandt has an excellent crop of Blanche Ferry sweet peas.

M. A. Hitz is preparing to add to his range of glass when the season opens.

The miners' convention in this city the past week aided the retailers perceptibly.

Visitors: Mr. and Mrs. Henry J. Moorman, Cincinnati; E. Lautenschlager, Chicago.

were John Young, F. H. Trendly, A. J. Guttman, E. Dailledonze and J. W. Reimels. Mr. Alex. Wallace, editor of The Florists' Exchange, left at midnight on Monday, and A. H. Langjahr left on Tuesday afternoon by the Congressional Limited.

The Greek-American Retail Florists' and Growers' Association have leased the parlor floor at 118 Lexington avenue, southwest corner of Twenty-eighth street, for offices and meeting rooms of the organization.

Detroit.

Counter trade is satisfactory, a good supply of bulbous stock, such as tulips, freesias, daffodils and jonquils, stimulating the call for Spring flowers.

The city conservatories have an elegant display of cineraria, some 800 plants grown from seed of their own selection. Mr. Unger, the horticulturist in charge, has been very successful in crossing C. fimbriata x C. stellata, and the flowers are justly admired by all visitors.

The Detroit Florists' Club decided to

SOUTHERN WILD SMILAX NOW READY

Write, Wire or Telephone the Introducing **Caldwell The Woodsman Decorating Co., EVERGREEN ALABAMA**

HENRY M. ROBINSON & CO.

WHOLESALE FLORISTS

Florists' Supplies and Hardy Cut Evergreens

Telephones: MAIN 2617-2618

15 PROVINCE ST. Boston, Mass
9 CHAPMAN PLACE

Extra Fine Boxwood

Hardy Cut Dagger and Fancy Ferns, A No. 1 quality, \$1.50 per 1000.
New Crop Green Galax, \$1.00 per 1000; \$7.50 per 10,000.
New Crop Bronze Galax, \$1.00 per 1000; \$8.50 per 10,000.

Laurel Festooning, 6c. per yd.
Branch Laurel, 50c. per bunch.
Sphagnum Moss, 50c. per bag; 5 bags \$2.00.

Florists' Supply List on Application.



KRICK'S "Perfect" Flower Pot Handle and Hanger



The Perfect Flower Pot Handle and hanger is used for lifting plants out of Jardinieres, also for hanging up plants for Decorations on Walls, etc., and will sustain a weight of 100 lbs.

No. 1. Will fit from 2 to 5-in. pots, per doz. 30c.
No. 2. Will fit from 5 to 8-in. pots, per doz. 40c.
No. 3. Will fit from 8 to 12-in. pots, per doz. 50c.

By Mail, 10c. extra per doz. Sample pair 10c., postpaid.

W. C. KRICK, 1164-66 Greene Ave., Brooklyn, N. Y.

St. Louis.

News Notes.

We had with us the past week Martin Renkauf, representing H. Bayersdorfer & Co. of Philadelphia. Martin reports an extra good business trip in all florists' supplies.

Superintendent H. C. Irish of the Missouri Botanical Garden spent the past week in Chicago, attending the meeting of the Council of Horticulture, of which he is secretary. Mr. Irish met many old friends and had a pleasant visit.

J. J. Beneke was, the past week, elected a member of the Executive Board of the Supreme Council Legion of Honor, and was presented with a beautiful past chancellor's badge by the Council members. Mr. Beneke reports that he furnished the American Beauty decorations at the valley dance of the Royal Arcanum the past week.

Frank Fillmore, the past year regent of his Royal Arcanum lodge, was presented with a past regent's ring, which is a token for good work during the year.

E. W. Guy of Belleville, Ill., called on Saturday last, buying florists' supplies, and reports everything serene in his 'burg. He will bring all the Belleville florists over to attend the next club meeting.

A. S. Halsted of Belleville was also a caller, and reports that he will show his new pink carnation at the club's carnation show this month; he thinks he has something better than Aristocrat.

Messrs. Walbart, Ayers and Newman report a very busy week in their cut flower department, especially so on Friday last, for the high school graduating class. George Walbart furnished the decorations.

Our old friend, Carew Sanders, the oldest florist in the city, came downtown visiting the trade the past week. Mr. Sanders is now eighty years of age, still walks with a steady step and carries his age well, for which he was congratulated by his many friends.

President W. C. Young, of the Florists' Club, says that the next meeting of the club, which takes place on Thursday afternoon, February 13, at 2 o'clock, should be a banner one, as all the local growers have promised to exhibit a fine lot of carnations, also a large exhibition of new varieties will be sent from outside growers. This should be a boom to our local growers for inspection. The trustees have provided for refreshments and cigars after the meeting.

The St. Louis Horticultural Society held its annual meeting Thursday night, January 21, in the Masonic Temple Building. The attendance was not as large as was expected. The main object of this meeting was the election of officers to serve for the year 1908; this resulted in the re-election of the old officers. These were: Edward W. Mallineroff, president; the four vice-presidents, Leonard Matthews, Alexander Walbart, J. B. Gazzam and J. H. Gundlach; treasurer, F. C. Weber, and secretary, O. G. Koenig. The executive board heretofore consisted of ten members; one was added, making eleven. They are: Harry Young, chairman; F. W. Brockman, C. B. Nicholson, C. C. Sanders, Theo. Miller, Ernst Schray, F. H. Meinhardt, A. Meyer, Jr., F. C. Weber, A. Jablonsky and O. G. Koenig. It is said that the chairman of this board will call a meeting and determine on a Spring flower show for the month of March, which was a great social success last year.

ST. PATRICK.

HARDY CUT FERNS



Fancy or dagger, \$1.00 per 1000.
Extra fine BOXWOOD, \$3.00 per case.
Brilliant Bronze or Green Galax, \$1.00 per 1000 or \$7.50 per case of 10,000.
Wild SMILAX 50 lb. cases, \$6.00. Fresh made LAUREL FESTOONING, 4c., 5c., and 6c. per yard.

Send us your orders and be pleased.
LEUCOTHOE SPRAYS, bronze or green, 40c. per 100. Ground Pine, 7c. per lb. or 5c. per yard.

GROWL FERN CO., MILLINGTON, MASS.

HARDY CUT FERNS



FANCY and DAGGER. Extra fine, \$1.50 per 1000. BRONZE and GREEN GALAX, \$1.25 per 1000, \$7.50 per 10,000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. BOXWOOD, per bunch, 3c.; 50 lbs., \$7.50. FANCY and DAGGER FERN our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

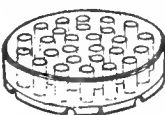
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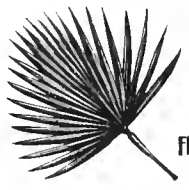
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SPHAGNUM MOSS

\$1.50 per bbl. bale; In burlap \$2.00.

PEAT \$1.00 per 1-bbl. bag.

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Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

New Orleans.

News Notes.

George Knobloch and Louis Buchner have formed a partnership and purchased two of the greenhouses and part of the stock of plants from James A. Newsham at his Nashville avenue place, and will continue the business lately carried on by him. Mr. Newsham will now devote the whole of his time and energies to the Magnolia Nursery, lately acquired by him from C. Holst and his partner. Mr. Buchner was at one time foreman for U. J. Virgin, but until recently with the Metairie Ridge Nursery Company.

Mr. Rutherford, manager of the Metairie Ridge Nursery Company's store on Carondelet street, has severed his connection with that firm, and is now with Frank Reitt, corner of St. Andrew and Camp streets.

A. Alost, the Gentilly avenue florist, is building three new greenhouses, 100x20, to be devoted entirely to the growing of cut flowers. This firm is still cutting fine chrysanthemum flowers.

So far this Winter there has been no out-of-door sweet peas, owing to the unusually wet weather we have been getting, which kept the vines growing very rank, but appearances are promising for fine crops later in the season. CRESCENT CITY.

Philadelphia.

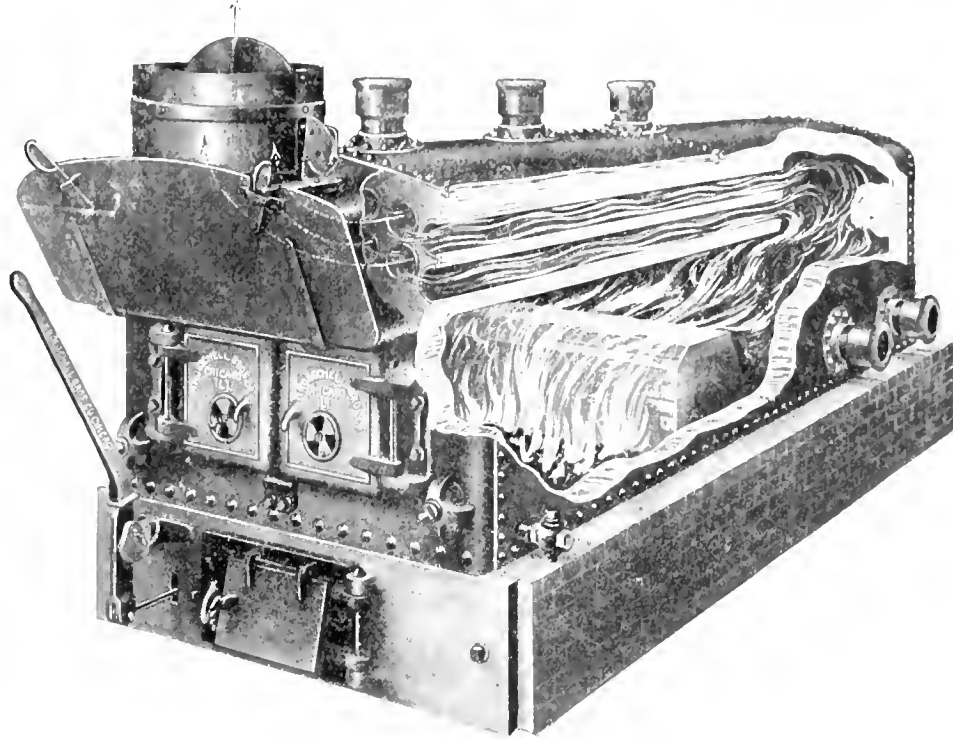
We cannot report anything of great importance this week. Business conditions are about the same; in the cut flower line there is still more stock than demands are using up. Prices are unchanged from last week, except that some sellers become desperate and won't refuse a sale at any reasonable figure. Economy seems to be the watchword with all. Both stores and commission houses are going along with as little help as possible; one house, in fact, said they would have been in pocket if they had closed up last August, and, from present indications, we are up against a quiet time until Easter. There is not one fashionable ball booked in this city for February and while these functions do not use a large lot of flowers, they are always preceded by many dinners which use quantities of the best flowers.

Hugh Graham Co. are cutting some grand sprays of *Arceia pubescens* which, so far, are in good demand.

Messrs. Quinlan, of Syracuse, N. Y., and Ford of Ford Bros., New York City, were in town this week.

Habermehl's Sons had the decoration for the Midwinter ball at Horticultural Hall on Friday last. DAVID RUST.

Kroeschell Boilers are SAFE, DURABLE, ECONOMICAL



During Seasons 1906-1907 the Kroeschell Hot Water Boilers were Installed to Heat 4,286,000 Square Feet of Glass

"The Only Perfect Hot Water Boiler"

DAMM BROS., Chicago, Ill., write: "In 1894 we bought one of your No. 12 boilers to take the place of four smaller boilers of another make. Your Boiler has done the entire work to the highest satisfaction, saving labor and about one-third of the fuel we used to burn before. We had that boiler up to 1906—that is 12 years—having no repairs on it whatever, except one set of flues we put in in 1900. Last fall we installed one of your No. 14 Boilers, having enlarged our plant. It takes care of 35,000 square feet of glass very easy. When firing we keep the ash door open only about one inch. We think your No. 14 Boiler could carry 40,000 square feet of glass."

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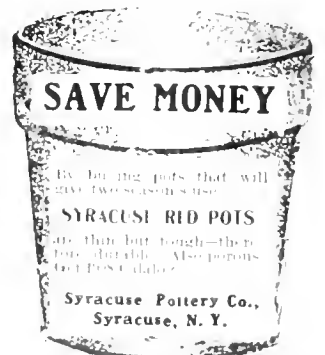
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Packed in small crates easy to handle.		Price per crate	
1500 2 1/2 in. pots in crate, \$4.98	120 7 in. pots in crate, \$1.20	1500 2 1/2	6.25
1000 3 " " " " " "	60 8 " " " " " "	1000 3	6.00
800 3 1/2 " " " " " "	48 9 in. pots in crate, \$5.00	800 3 1/2	5.80
600 4 " " " " " "	24 12 " " " " " "	600 4	4.50
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144 6 " " " " " "	6 16 " " " " " "	144 6	3.16

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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LIGHT, RIGID AND ENDURING EAVES

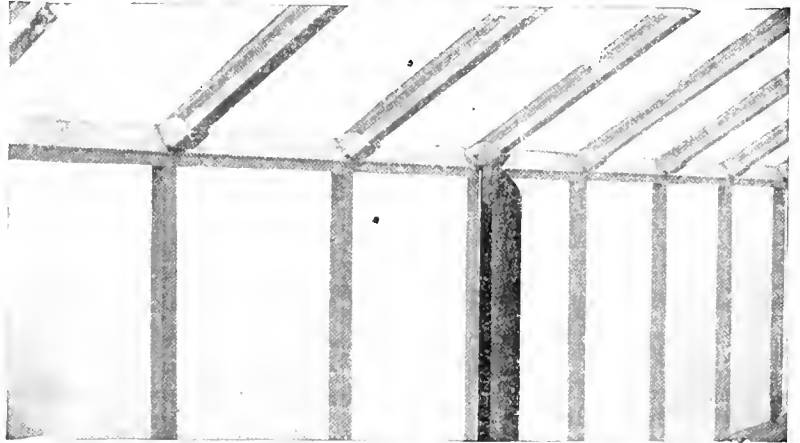
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GREENHOUSES

COMPARE THIS CUT WITH ONE IN LAST WEEK'S AD

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HORTICULTURAL ARCHITECT AND BUILDER
 WEST SIDE AVENUE STATION (C. R. R. OF N. J.)
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And then there is the cost to be considered. Why not let us take up this important question now?

New Bedford, Mass.

Trade the past week has been rather dull; even funeral work has been slow. A good supply of flowers is now coming in. Carnations bring 60c. to 75c. per dozen, retail; roses, 82 per dozen, retail. The last few days saw a marked demand for violets; for two weeks past they have been a drug on the market, but are now selling at \$1 per 100, retail. Sweet peas are coming in in moderate supply; they retail at \$1 per 100. There is a good supply of Paper White narcissus coming in; these sell at 60c. per dozen, retail. A few tulips and daffodils are to be seen; they retail at 60c. per dozen.

E. H. Chamberlain had some nice pans of Dutch hyacinths the past week; he is also receiving some fine Winsor carnations.

R. E. Nofftz had a fine window display last Saturday.

Wm. E. Mosher is cutting some fine Princess of Wales violets.

S. S. Peckham is putting large batches of cuttings in the sand. He is sending out fine Winsor and White Enchantment cuttings.

H. A. Jahn is still busy shipping cuttings of his new Lloyd carnation; this is a winner and a bread and butter variety.

Last Friday this city was visited by a blizzard, the most severe one in three years; no great damage is reported by the florists.

Boston.

The February meeting of the Gardeners and Florists' Club should be one of unusual interest. It will be carnation night and there will be present several prominent growers from a distance, who will take part in the discussion, and many of the club members who are this week attending the Carnation Convention in Washington will tell of their experiences.

William Turner, of Oceanic, N. J. will be the speaker at the meeting of the Massachusetts Horticultural Society on Saturday, February 8. Vegetable growing under glass will be the subject.

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SHARP, PARTRIDGE & CO., LUMBER ST., CHICAGO, ILL.
 SOUTH of 22nd ST.,
 N. B.—Some snaps in double hotbed sizes.

D. F. Roy, of Malden, has resigned his present position and will at an early date become general superintendent for Col. H. E. Converse at Marion. Mr. Roy is well known in this locality, having exhibited many well grown plants at several of the Boston shows; he enters on his new duties with the good wishes of a host of friends.

H. M. Robinson & Co. are handling large quantities of boxwood this season, the quality being very fine.

The North Shore Horticultural Society held their annual dinner on Wednesday night; it proved, as in former years, one of their important events. Quite a few well-known Boston club members attended.

Wm. Sim is having an extra fine cut of violets at present, the blooms of his new variety Boston being superb.

Welch Bros. are pushing the new white carnation, White Fair Maid, which, like the parent, is an excellent commercial variety.

FOR WATER SUPPLY GET A STANDARD PUMPING ENGINE
 which is A GOOD GAS OR GASOLINE ENGINE AND A GOOD HIGH PRESSURE PUMP.
BOTH IN ONE MACHINE
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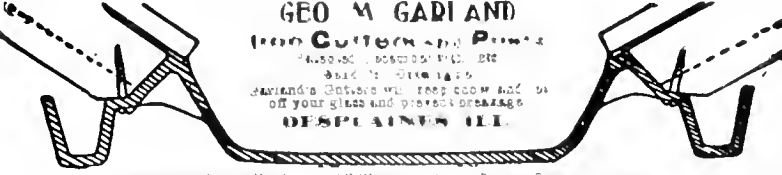
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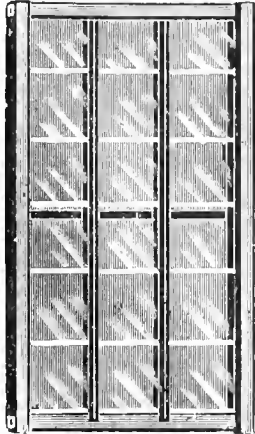
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 5000 feet 1 inch pipe, 3¢ per ft.
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GREENHOUSE GLASS ALL SIZES
 16x24 A. & B. Double a Specialty
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Whether You Grow Carnations

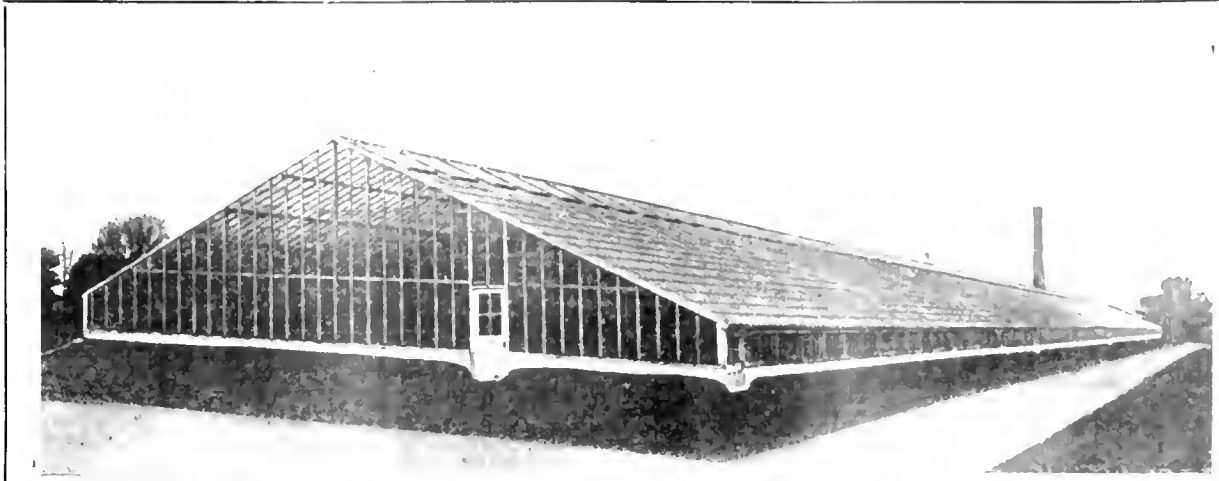
or cut flowers of any kind it is absolutely essential that you have the right kind of a house to grow them in. If you want to get the perfect house and want to know how much it will cost the first thing you want to do is to write us for one of our catalogs. The book has 96 pages of interesting matter and after looking it over you can decide on the house you like, writing us on the blank sheet prepared for the purpose, and we will give you an estimate on it. We will also criticise your plan and tell you the changes to make in it if you request us to do so.

We furnish materials all ready to set in place with all the fittings done in our factory and give you complete plans telling just how to put the house together, also supply complete printed instructions so that you will be sure to get everything in its right place and have a perfect house.

During the forty years we have been making material we have learned a few things about greenhouses and if you are not now our customer, you should be. There is no argument to it—we know this business from A to Z and we'll guarantee everything we furnish you to be absolutely the best that can be made at any price.

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We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.

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Asparagus Tenussimus, 5 in. pots \$3.00 per doz.
Asparagus Sprengerii, 3 in. pots, \$4.00 per 100.
Ampelopsis Veitchii, 1 year old plants, \$5.00 per 100, 2 year old plants, strong, \$10.00 per 100; \$1.50 per doz.
Cape Jasmine, 4 in. pots \$2.00 per doz.
Ferns, Boston and Anna Foster, 4 1/2 in. pots, \$2.00 per doz.
Geraniums, best commercial varieties, rooted Cuttings, \$2.00 per 100.
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Moschosa Riparium, 4 in. pots, \$1.50 per doz.
Carnations, strong rooted cuttings. Write for list of varieties and prices.
Stock from 2 1/2 in. pots, \$3.00 per 100.
Hellotrope, dark blue and white.
Fuchsias, Elm City; Arabella; Black Prince; Avalanche; Lord Beaconsfield gracilis.
Lantanas, Swainsona alba, Geranium, Mrs. Parker Lobelia, Emperor William, Umbrella Plants Ferns for dishes, **Asparagus Sprengerii**
Rooted Cuttings, \$1.00 per 100.
Hellotrope, dark blue and white.
Fuchsias, four varieties **Feverfew, Little Gem.**
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You buy other parts from another concern; fittings from still another, shopping about with half a dozen or more firms, and then to cap the climax, go to your local hardware man for the paint and putty.

At once your troubles begin—one order comes and another doesn't; others come straggling along and you have no end of correspondence with all these different firms, each doing business in a different way. Finally, when at last everything is on the ground, ready for erection, you have a grand mixture, each lot fairly good in itself, but being made by different firms, there is no uniformity, no relation one part to another, and things won't go together the way materials do that are all turned out by one concern, with the one idea, of making that one house of yours the best possible. So this matter of placing your order all with one concern is economy for you.

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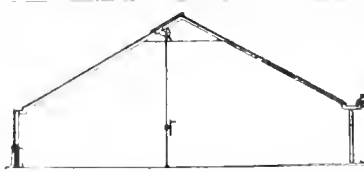
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VOL. XXV. NO. 6

NEW YORK AND CHICAGO, FEBRUARY 8, 1908

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**Strong Rooted Cuttings
Now Ready for Delivery**

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WHITE ENCHANTRESS will occupy the same position among white carnations that Enchantress does among flesh pinks. It has all the good qualities of the common Enchantress,—long stem, earliness, large size, freedom, etc. In our opinion it is by far the best white carnation ever introduced.

We have a splendid stock of both Winsor and White Enchantress ready for immediate delivery, and will guarantee perfect satisfaction with the cuttings supplied. Do not wait, because the demand for these varieties is bound to be enormous. Order early, while we can promise immediate delivery, and secure gilt-edged stock. We have a large stock of both of these varieties, and all our cuttings are heel cuttings, taken from flowering stems. On account of the quantity that we are growing, we are not obliged to over-propagate, and our stock is in the most perfect and healthy condition.

Strong rooted cuttings from sand, \$6.00 per 100, \$50.00 per 1,000. Extra strong transplanted cuttings from soil, \$7.50 per 100, \$60.00 per 1,000.

Strong established pot-grown plants, \$9.00 per 100, \$75.00 per 1,000.

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Extra Large Heavy Strings 50c. each

Grafted and Own Root ROSE PLANTS

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10. Per Cent. Special Cash Discount: On orders over \$2.00 for Flower Seeds if the cash is enclosed, 10 per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

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Alyssum, Sweet	1-1/2	\$0.05	\$0.15	
Little Gem, extra fine strain	10		.35	
Begonia, Single tuberous-rooted				
giant mixed		.50		
double, tuberous-rooted, giant		.50		
flowered		.50		
Vernon	1/2-oz.	36c.	10	2.00
Luminosa, new, better than Vernon				
Bellis or Double Daisy, Vaughan's mammoth mixture, 1-16 oz.	45c.	.25		
Vaughan's Mammoth White				
1-16 oz.	59c.	.25		
35c.	.20			
Longfellow, dark pink	1/4-oz.	35c.	20	2.50
Browallia, Speciosa Major				
Candytuft, Giant Hyacinth flowered	1/2-oz.	15c.	10	.20
Celosia, Coxcumb, President Thiers	15			1.25
Centaurea, Gymnocarpa, lb	\$2.75	.06		.30
Cobaea, Scandens, blue, lb	\$3.50	10		.30
Clematis Paniculata, White, sweet scented	1/2-oz.	15		.50
Large-flowering Jackmanni Hybrids				2.00
Dracaena Indivisa	1/2-oz.	10		.30
Indivisa Lineata				.40
Forget-me-not, Vaughan's early blooming and late flowering	1/4-oz.	25c.	10	.80
Fuchsia, double and single varieties, mixed, 250 seeds	75c.			
1000 seeds	\$2.50			
Grevillea Robusta, silk oak	10			.80
Lantana Hybrida, mixed	05			.15
Lobelia Crystal Palace Compacta	1/4-oz.	25c.	15	1.20
1/4-oz.	15c.	10		.50
Emperor William, dwarf				
1/4-oz.	25c.	10		1.00
Bedding Queen, best dwarf				
1/8-oz.	25c.	15		1.50
Mignonette, True Machet, 2 oz.	75c.	10		.50
New York Market, Packet about 1000 seeds	50c.	1/4-oz.	1.00;	
oz.	\$5.00.			
Minulus (Musk Plant), 1/4-oz.	30c.	10		1.00
Pansies, Vaughan's international mixture, oz.	\$10.00;	1/2-oz.		
\$5.00;	1/4-oz.	\$1.50;		.50
Vaughan's "Giant Pansy Mixture," 1/4-lb.	\$14.00;	oz.	\$4.00;	
1/2-oz.	50c.			.25
Petunia, Giants of California, mixed	1-32 oz.	75c.	\$0.25	
"Vaughan's Best" mixture of large flowering Petunias, Tr. pkt. (1000 seeds), 3 pkts. for \$1.25.				
Vaughan's large flowering, Double Petunias	(1000 seeds)	1.20		
Salvia Splendens, Clara Bedman (Bouffre)				.25 \$2.50
"Drooping Spikes," 1/4-oz.	50c.	.25		1.50
Fireball, new	1/4-oz.	75c.	.25	
Zurich, new, very dwarf, early	50			
Stocks, Large flowering, extra choice, mixed	1/4-oz.	35c.	25	2.00
Pure white, brilliant rose, bright crimson, blood red, light blue, canary yellow, dark blue				
Each	1/4-oz.	35c.	.25	2.00
"Cut and Come Again," One of the best stocks for cut flowers, the plants producing many side branches with a large percentage of double flowers.				
White Perfection or Princess Alice blood-red, brilliant blue, pink				
Each	1/4-oz.	40c.	.25	2.50
Mixed, the above colors and others	1/4-oz.	35c.	.20	2.00
Smilax, new crop, very short this year	1/4-lb.	\$1.25	10	.50
75c.	1000 seeds,	\$6.00.		
Thunbergia, mixed	1/4 oz.	\$1.00	10	.40
Torenia Fournieri, charming pot plant, velvety blue	1/4-oz.	49c.	.15	
Fournieri Compacta, Grandiflora				
1/4-oz.	15c.			
White Wings, white	1/4-oz.	50c.	.15	
Ballouf	1-16 oz.	50c.	.25	
Verbenas, Vaughan's Best pkt.	1/4-oz.	oz.		
Mixture		\$0.25 \$0.50 \$2.00		
Mammoth, mixed,				
2 oz.	\$1.70	10	.25	.80
White		.15	.25	1.00
Purple		.25	.50	2.00
Pink shades		.25	.50	2.00
Firefly, scarlet, white eye	.15	.40	1.20	
Striped, on red ground, fine	.15	.30	1.15	
Candilissima, white	.10	.20	.70	
Defiance, brightest scarlet	.10	.25	.90	
Dark blue with a white eye	.10	.20	.70	

14 Barclay St., VAUGHAN'S SEED STORE 84 and 86 Randolph St., CHICAGO
NEW YORK W. Randolph St., CHICAGO

PELARGONIUMS

We have a fine lot of strong plants in 3-inch pots of Purity, Countess of Crewe, Duke of Cornwall, Galatea, Gloriosa, Lady Carrington, Tommy Dodd and others at \$1.50 per dozen, \$6.00 per 100.

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Our new Illustrated Catalogue mailed to the trade. We have a fine lot of standard varieties and novelties from \$2.00 per 100 up, good stock from 2-inch pots. We will send one thousand—50 each of 20 good sorts—for \$18.50; five hundred for \$9.25; cash with order. Not less than five hundred sent at this price.

See last week's issue for Miscellaneous Stock, including
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Visitors always welcome. Cash with order.

R. VINCENT, JR. & SONS Co.
WHITE MARSH, MARYLAND



LINGCOLN'S BIRTHDAY PANSY SEED

Blended with extra choice strains, giving you a grand rainbow coloring. Trade pkt. \$1.00. Half trade pkt. 50c.

	Trade Pkt.	Oz.
Asters Queen of the Market.....	\$0.20	\$0.60
Branching.....	.25	.60
Alyssum Little Gem.....	.10	.20
Ageratum Little Dorrit, azure blue.....	.15	.30
Calendula Prince of Orange.....	.10	.50
Heliotrope Extra fine mixed.....	.25	.75

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NEW DOUBLE BLUE LOBELIA

KATHLEEN MALLARD *The Best Novelty for 1908*

Intensely blue flowers, often measuring 3/4 inches in diameter, literally cover the plant, producing a splendid effect.

By buying now you can triplicate your stock from cuttings before planting time.

From 2 1/2 in. pots, \$1.00 per doz., \$8.00 per 100.

By Express Only

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NONE are BETTER

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Or **Shipper's Pride Cantaloupe**, \$1.20 per pound.

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We are now prepared to furnish the best strain of **Cauliflower Seed** in the world—grown in Denmark and personally selected by Mr. Gundestrup during his recent visit to that country.

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The flower is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season till late. Considered by the leading florists to be the best and most profitable flower ever grown.

Trade Packet \$1.00, Half-Ounce \$3.00, Ounce \$5.00

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50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500. PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

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Grower of the Finest Pansies

IRISH THE REAL THING! GREEN.
Best to order early and grow on for strong plants for St. Patrick's Day. Our stock is very fine—\$4.00 per 100, or post-paid 60c. per dozen.

XXX SEEDS

VERBENA, Improved Mammoth, finest grown, mixed, 1000 seeds, 25c.
PHLOX Drum, punilla, very dwarf, grand for pots, fine colors, Pkt. 25c.
VIOLA compactum, most dwarf and compact var. grown, perfect balls when grown in pots, Pkt. 25c.
PETUNIA, Star Improved, from finest marked flowers, very fine, Pkt. 25c.
PETUNIA, Giant Single-Fringed, large and fine, Pkt. 25c.
CHINESE PRIMROSE, finest grown, single and double mixed, 500 seeds, \$1.00; 1/2 pkt. 50c.
GIANT PANSY, most grown, critically selected, 1000 seeds, \$1.00; 1/2 pkt. 50c.
SALVIA, Bonfire, finest grown, brilliant scarlet and compact, 1000 seeds, 40c.
CASH—Extra count of seeds in all packets

JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES

BURPEE'S SEEDS

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Blue List of Wholesale Prices mailed only to those who plant for profit.

CANNA BULBS

Fine plump, Northern Grown, and in fine condition. Not to be compared with Southern grown stock, that are never thoroughly ripened and therefore are very slow to start growing.

	Doz.	100	1000
Allemania.....	\$0.35	\$2.50	\$22.50
Black Prince.....	.40	3.00	27.00
Black Warrior.....	.35	2.50	22.50
Burbank.....	.30	2.25	20.00
Black Musafolia.....	.40	3.00	27.00
Charles Henderson.....	.35	2.50	22.50
Director Roetz.....	.35	2.50	22.50
Flamingo.....	.30	2.25	20.00
Florence Vaughan.....	.35	2.50	22.50
Golden Star.....	.30	2.25	20.00
Gladiator.....	\$0.40	\$3.00	\$27.00
King Edward.....	.50	3.50	32.00
Louisiana.....	.55	4.00	35.00
Mad. Crozy.....	.40	3.00	27.00
Mile. Berat.....	.30	2.25	20.00
Musafolia.....	.30	2.25	20.00
Paul Marquant.....	.30	2.25	20.00
Pres. McKintey.....	.35	2.50	22.50
Queen Charlotte.....	.35	2.50	22.50
Robusta.....	.30	2.00	18.00
Red Cross.....	.30	2.25	20.00

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50 Barclay St., NEW YORK

RIBBONS WOVEN IN THE PINE TREE SILK MILLS

are well woven. Clean, lustrous, firm. Every detail carefully supervised. Machinery and looms modern. The raw silk of the highest grade.

THESE SUPERIOR RIBBONS, in the many qualities manufactured, cost you no more than the usual ribbons you buy; possibly less, for you buy direct from the mill and

SAVE ALL BETWEEN PROFITS

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Address Dept. E, 52-54 N. EIGHTH STREET

The new shades and colors for Spring are now weaving. A postal will bring you samples.

NEW CROP FLOWER SEEDS

Verbena Mammoth, In colors or mixed, 1/2 oz. 30c., oz. \$1.00.

Salvia Splendens, 1/4 oz. 35c., oz. \$1.25.

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Lily Valley, Early Forcing, to close out, per 1000, \$11.00.

Fresh Tobacco Stems, Bale of 300 lbs. \$1.50.

W. C. BECKERT, Pittsburg, N. S., Pa.



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Send for our wholesale list of seeds for Florists and Market Gardeners, ready in a few days.

GLADIOLUS PRIMULINUS

\$8.00 per doz.; \$60.00 per 100

PRIMULINUS HYBRIDS

\$3.00 per doz.; \$20.00 per 100

J. M. THORBURN & CO.

33 Barclay St., through to
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Everything of the highest grade.

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Tomato, "The Don," best for forcing. Cauliflower, First and Best. Onion, Allsa Craig. Lettuce, "Ideal," unequaled for indoor purposes. Mushroom Spawn, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready. Free on application. SEED MERCHANTS AND GROWERS
114 Chambers St., NEW YORK

PLANT CULTURE

PRICE \$1.00

A. T. ORWARE PTG. & PUB. CO., Ltd.
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LILY OF THE VALLEY

The highest grade for Florists' Forcing.
 100 1000
Berlin (3 yrs. old) \$1.50 \$12.00
Hamburg (3 yrs. old) 1.25 10.00
 New Crop Flower Seeds. Write for Florists' Wholesale List.

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Our ad. Jan'y 25th will interest BUYERS

LOOK IT UP
H. H. BERGER & CO., 70 Warren St., New York

100 LBS. TRUE ENGLISH IVY SEED

25c. package; \$5.00 lb.; 1-4 lb. at 1 lb. rates. **PLANTS**, one year old, \$2.00 per 100. Express prepaid by me.

A. MITTING
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Gladiolus "America" FOR FORCING

Strong bulbs, \$60.00 per 1000. **Florists' white and light, mixed**, \$12.00 per 1000.
Iris Kaempferi, named, \$50.00 per 1000.
Iris Kaempferi, mixed, \$30.00 per 1000.
Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.
Phoenix Roebeleni seedlings, \$4.00 per 100.
Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

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Finest Lily of the VALLEY EXCELLENTA
 the very finest **Valley** for particular florists, \$12.00 per 1000.

JOHN SCHEEPERS & COMPANY
 4 & 6 Old Slip, NEW YORK CITY

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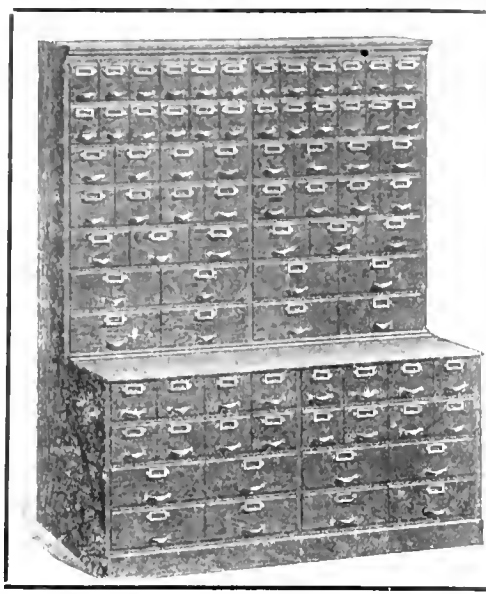
Strong field grown, all good cut flower varieties. Also **KALMIAS** and other native plants.
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Fine stock, all good, 2 and 3 eye. 10,000 mixed Cannas, all green-leaved varieties, \$15.00 per 1000.
J. E. Sambrook Co., - Berlin, N. Y.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.
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HELLER'S MICE-PROOF SECTIONAL SEED CASES BOXES and BINS

Send for Cuts and Prices

HELLER & CO. MONTPELIER Ohio, U. S. A.

Cyclamen
 Superb English Strain
 Second to none in size of flowers
 Giant Crimson.
 " Pink.
 " White.
 " White with Claret base.
 " Mauve.
 " Salmon Queen.
 " New Fringed.

100 seeds \$1. 1000 seeds \$9.
H. E. FISKE SEED CO.
 12 and 13 Faneuil Hall Sq., BOSTON, MASS.

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To dispose of our bulbs at once we offer following prices: **Belle Alliance** \$1.25 per hundred; **Couleur Ponceau** 55c.; **Crimson King** 90c.; **Duchesse de Parma** 70c.; **Duc van Thol**, red, yellow edge, 70c.; rose \$1.10; scarlet 85c.; white \$1.00; **Joot van Vondel**, red and white, 90c.; **Kelzerkroon** \$1.15; **L'Amantille**, 45c.; **La Reine** 55c.; **Mon Tresor** \$1.00; **Pottebakker**, scarlet \$1.25; pure yellow, \$1.65; **Prince of Austria** \$1.40; **Croserpine** \$1.90; **Rose Gridelin** 75c.; **Crown of Roses** \$2.15; **Duc van Thol**, red and yellow, 40c.; **Gloria Solis** 80c.; **Tournekol**, red and yellow, \$1.00; **Yellow Rose** 50c.; Late Flowering, all kinds, 75c.

MIXED NARCISSUS 50c. per hundred, \$4.00 per thousand.

Also small quantities of other varieties at 50 per cent from our wholesale prices. Name your second choice. Attend to this matter at once, as this advt. will not appear again.
 Write for our Catalogue, and state whether you are a dealer, florist or market gardener.
James Vick's Sons, Rochester, N. Y.

Established 1900
POAT BROS. BULB GROWERS
 FORMERLY OF ETTRICKS, VA.
 GIVE NOTICE OF CHANGE OF LOCATION
 (Owing to Largely Increased Business)
 All Communications Must Now be Addressed
POAT BROS., BULB GROWERS
 NORTH SIDE, HIGHLAND PARK
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Japan Iris

For Spring planting, \$5.50 per 100; \$15.00 per 1000.
 True to name. Guaranteed. Cash with order.
ROWEHL & GRANZ, Hicksville, L. I., N. Y.

GREGORY'S SEED CATALOGUE FOR 1908

We catalogue this season several choice new vegetable varieties of sterling merit.

EARLY MORN PEA, the earliest, largest podded pea known. One farmer harvested 50 bushels from one planted and received from \$3 to \$3.50 per bushel. Quality of the best.

GREGORY'S EARLY EXCELSIOR, the best second early low growing pea without any exception. A great favorite with the leading gardeners.

"**Big Cop**," our new white potato, out yields all the well-known varieties, is less affected by rot, is deliciously meal-y. Let us tell you all about it. Catalogue free.

J. J. H. GREGORY & SON, MARBLEHEAD, MASS.

C. C. Morse & Co. SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.

ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES

Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Gilroy

S.M. ISBELL & CO. JACKSON, MICH.

CONTRACT SEED GROWERS
 Bean, Cucumber, Tomato, Pea, Muskmelon Squash, Watermelon, Radish, Sweet Corn

Correspondence Solicited
 Write for Prices on Surplus Stocks for Immediate Shipment

EARLY WONDER ASTER SEED.

The only High-Grade early fancy Aster to date. In full bloom, when the market is showing color. \$2.00 per oz., postpaid.

With every order will send sample of **Hall's Aster Bug Kill-Right**. This is no experiment to others. A sure death to the Black Bug without injury to the plant or flower.

W. E. HALL, - - - CLYDE, O.

FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers.

Lambert's Pure Culture MUSHROOM SPAWN, the best Mushroom spawn in the market, is sold by all leading seed-men. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. in postage stamps. Address **American Spawn Company, St. Paul, Minn.**

TWELVE ACRES of PEONIES

FESTIVA MAXIMA, \$20.00 per 10.
QUEEN VICTORIA, WHITELEAF, \$2.00 per 100.
FRAGRANS (Late Rose), \$6.00 per 100.
 P. 1: 100c rates and other varieties, write.

GILBERT H. WILD, SARCOXIE, MO.

HYDRANGEA and PRIVET CUTTINGS

HYDRANGEA CUTTINGS \$3.00 per 1000.
 PRIVET CUTTINGS \$1.35 per 1000.

THE ELIZABETH NURSERY CO., ELIZABETH, N.J.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
 George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

NEWARK, N. J. The business of the late J. F. Noll, seedsman, will be conducted by his estate, and the same high standards of quality and efficiency maintained.

IMPORTS OF SEEDS, ETC. - January 27 - **Brown Brothers & Company**, 15 packages seed; **McIntosh & Company**, 12 cases plants; January 29, **L. J. Spence**, 182 packages plants; **W. Elliott & Sons**, 50 bags grass seed; **Mattis & Ware**, eight bags seed, six bushels seed; **J. P. Roosa**, 24 cases flower seed; **F. B. Vandegrift & Company**, 107 bags seed; **Vaughan's Seed Store**, one case plants; **Peter Henderson & Company**, 15 bags seed; **Hensel, Bruckmann & Lorbacher**, 18 boxes seed; **Vaughan's Seed Store**, one box seed, February 3. - **J. N. Waffle**, three packages plants.

SEED LEGISLATION IN OHIO. Several seed dealers in this State are becoming somewhat anxious regarding the bill now before the Ohio legislature which will control the sale of clover seed, by compelling the dealer to label the seeds as to whether they are medium or mammoth. Ohio is said to be the largest clover seed producer in the world, and such a law would only hinder business in this State, while it would mean much in gain to other States. Seed Inspector Wallace of Ohio says it is almost impossible to guarantee which class exists after they have been re-cleaned, and he predicts much loss to seed dealers in this State if the bill becomes a law. Several of the dealers have combined on the matter and will take it up with the local representatives.

Seed Trade Notes.

The advent of real Winter weather has acted as a temporary check to the very large number of orders, both wholesale and retail, that our seed-men have been receiving ever since immediately after the distribution of their catalogues. There can be no question that a very much larger and more profitable business than is usual has been done during the first month of 1908.

This is one of the years when the larger dealers are receiving such insignificant returns from their seed contracts with the growers that on all sides much fault finding is heard. Of course it is only human nature to hate to deliver, let us say, Stowell's Evergreen sweet corn, for a fourth or fifth of its present market value, and no doubt the claims of the retailers that some growers deliver just as little as they can in a year like this, and sell the rest at market rates, is to a great extent true. Seed contracting under our present system, works very well in an average season, with average seed crops; but in a season of extremes, whether the returns are very great surprises, or crop failures, dissatisfaction is at once very apparent with both grower and dealer. In a year of enormous seed crop surpluses, the grower fills his contracts to the full limit, upon a customer, who only takes the goods because he must. In a year of universal seed crop failures, the customer insists that the grower give up every seed he has harvested the two extremes. Let us hope that some day a fairer method to all concerned will be established.

VIOLET CULTURE
 Price, \$1 50 Postpaid
A. T. DeLa Mare Plz. & Pub. Co. Ltd., New York

FORMOSA LILIUM LONGIFLORUM

Ends the Growers' Trouble.—
Absolutely Free from Disease.

The Burpee Sweet Pea Trophy.

Our illustration represents the trophy offered by W. Atlee Burpee & Company, Philadelphia, Pa., for competition at the forthcoming show of the National Sweet Pea Society of England, in the class for "waved sweet peas." The cup weighs 50 ounces and is sterling silver, valued at fifteen guineas. There is a small netting inside so that the flowers can be nicely arranged, and a very nice black ebony stand. Representations of sweet peas are embossed on both sides of the cup, which is a work of art.

Plant Notes.

GLOXINIAS FROM SEED. Good results are so easily attained with gloxinias from seed that it is a wonder that they are not more generally grown, where use could be made of them, than they are. Seed should be sown early in this month in shallow, well-drained boxes or pans, half filled with a compost of peat, leaf mold and sand, or leaf mold and sand. The top portion should be finely sifted and the seeds scattered thinly over the even surface, merely pressing them down with a smooth board and then covering them with glass and sheets of paper and keeping them covered until germination, but, of course, taking care that they have previously been getting watered with a watering pot and fine rose. When the seedlings are fit to be handled easily, they should be pricked into other pans or flats containing soil similar to that out of which they are taken, but with the beneficial addition of a little loam. The plants thus transplanted should be placed near the glass to prevent them getting drawn. The little plants may be put into very small pots out of the seed pans; whichever method is practiced, great care is necessary in watering to keep them from damping off. As the plants grow and fill their pots with roots, they should be shifted into larger ones until they are in their flowering pots; 6-inch pots are suitable for finely grown plants.

The soil for the plants after removal from the second size pots should be made richer by the addition to the compost of a larger quantity of fibrous loam and relatively of the other component parts. In a greenhouse, the plants should be shaded from the direct sunlight and when, as is sometimes done, they are placed in frames outdoors when the temperature is suitable, they should be shaded also.

The plants will retain their foliage more surely intact if watering is always done from the spout of a watering pot and on to the soil instead of on the foliage.

TUBEROUS-ROOTED BEGONIAS FOR POT CULTURE AND CUT FLOWERS.—Tuberous begonias are slowly but surely regaining lost ground, both as fit subjects for attractive outdoor display in suitable situations and as plants well adapted for decorations of various forms.

These plants make beautiful specimens when grown right along from the latter part of February, or early March, in the greenhouse. If it is desirable to have plants that will bloom early, it will be well to procure tubers, and at the proper time start them into growth in shallow boxes, two-thirds filled with sandy soil, covering the tubers with the same soil, or with soil containing more sand, in order to prevent rotting in case more water than is good for the tubers will reach them. When the tubers have started well into growth, they should be immediately put into the pots wherein they are intended to flower, using for soil a compost containing good fibrous loam broken up (and sifted) two parts, well rotted manure

one part, with a good sprinkling of clear sand and leaf mold added. After the plants are fairly started a moderately cool temperature helps them to get fully developed. They require an abundant supply of water and, during their final stages of development will be benefited by an occasional application of liquid manure. A light shading material should be provided and placed so as to protect the plants from the direct rays of the sun during the heat of the day, the same to be removed in the afternoon.

Nicely flowered tuberous begonias are used very acceptably for dinner table decorations, leaving the plants in the pots; or, when that method is not desirable or practicable, the plants are taken out of the pots, and all or part of the soil shaken away, then the roots, and perhaps more of the plants, are embedded in whatever the foundation of the decoration is composed of; or the plant thus relieved of soil is inserted in some suit-

of temperature and other conditions; nevertheless, they will, with care, stand a change in conditions fairly well. About the beginning of March, the tubers desired for early development should be procured and got ready for starting into growth, and that is best accomplished by placing the tubers on even surfaces of moss, in shallow boxes, and then merely covering them with chopped moss, but it is important that they should be covered so that root action will be facilitated, because the roots proceed from the upper portion of the tuber. The flats containing the tubers should be placed in a house where the temperature does not fall below 70 degrees.

When the tubers have emitted a lot of roots, the plants should be potted in small pots (the size depending, of course, on the relative size of the tubers); the pots for the plants in all stages of growth should be well drained. For the first potting



The Burpee Trophy.

To be offered for competition at the Annual Exhibition of the National Sweet Pea Society, England, for Waved Sweet Peas.

able receptacle. The plants so used are, of course, of no further use.

Better, perhaps, than growing the plants in a greenhouse, is that of growing them in frames outdoors during the Summer, when the object is cut flowers and no more. When growing them in frames, good rich soil and careful attention to watering and providing them with shade, made of laths or some other equally suitable material, are all the necessary conditions to insure success.

To some minds and tastes, the double tuberous begonias are more pleasing than the singles; and, then again, there are others highly demonstrative in commending for pot culture the fringed or frilled type.

CALADIUMS.—Caladiums, but more particularly those known as fancy leaved caladiums, are among the most beautiful foliage plants in cultivation, and they are, in consequence, grown in large numbers and made use of in various forms of decoration indoors and out. The peculiar form and rich, varied colors of caladiums give characteristics almost exclusively their own. They are not only well adapted for massing of themselves, but are also peculiarly well fitted for use along with many kinds of ferns, especially *Adiantum cuneatum* and *Ferlyense*; a decoration well and tastefully done of caladiums and *Adiantum Ferlyense* is a sight not forgotten hurriedly. Caladiums are comparatively easily grown, but it must be remembered that they are always rather tender as regards usage, and particularly so when in pots, moving about from one place to another, with the inevitable changes

leaf mold and sand suits them best. The plants after potting will proceed to grow quickly and very soon will need more pot room; then the compost should be good fibrous loam two parts and one part leaf mold, with the addition of a good sprinkling of sand, and, if peat is at hand, throw in a little of that, too. The plants should be placed near the glass, otherwise they will get drawn up and weakly; a frame inside the house is advantageous. The plants thrive in a moist atmosphere and in a warm temperature; and, consequently, they should be hardened a little when wanted for decoration, necessitating their removal to a much lower temperature.

The plants before being thoroughly at work with their roots in the soil should be carefully and rather sparingly watered, but when once well established, they require an abundance of water. Caladiums are multiplied in the most practical way by the division of the tubers when they have just put out roots and made young growths; these may be severed from the parent, and then potted up as previously directed.

NEPHROLEPIS.—Retail florists should not fail to grow one or more of the improved forms of the Boston fern. There are quite a number of these now and from out of a number of the latest introductions it is no easy matter to pick the best and that mainly because they are all good and well worth growing. There may be some florists so placed or located that they imagine there is no market for such plants, in country towns, for instance. But I have yet failed to come across

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any one who was not able to create a market for well-grown specimens of these beautiful ferns, or perhaps I would be more correct in saying that they, the plants, made a market for themselves. Small plants in 3 or 3½-inch pots, procured early in Spring, of such varieties as Whitman, superbissima, Amerpohl or toledoides will, by the time the greatest demand is likely to exist for such plants, be in good salable condition. There are two methods of growing these plants, just as previously was practiced with the old Boston—they were and are grown right along and kept shifted from one size pot to another, or planted when small in the soil in benches, then lifted and potted in time to be established before selling.

As far as the growth of the plants is concerned, the planting-out method is perhaps the best; but I am still of the opinion that more lasting and shapelier specimens result from continuous and uninterrupted pot culture. When, however, the object is the rapid multiplication of stock, the planting-out method is the only one to be considered.

The idea years ago was prevalent that nephrolepis could not be successfully grown unless the glass was well shaded, and there is no doubt that the unobstructed sunlight damaged mature specimens of Boston ferns. These newer types of nephrolepis will not succeed well under heavily shaded glass; in fact, clear glass is much nearer what they want when Fall approaches, and more emphatically during the dead of Winter. There is a great deal depending on the nature of the soil used for these ferns, as there is with most everything else. I have used soil composed of various ingredients, but the best plants I have yet grown were potted in good fibrous loam, not very old either, with just a little sand thrown in. I found that by using leaf mold or decayed manure, or both, that while growth seemed to be, as it undoubtedly was, stimulated thereby, it was softer, and as a result of less endurance than that produced from the more substantial food contained in good turf from the old pasture field. D. M.

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Grafting Size, 3-5 m/m, \$8.00 per 1000; \$75.00 per 10,000.

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Orders booked now for grafted Bride, Maid, Richmond, Killarney, Kaiserin, Wellesley, etc., to be delivered in April or later, when wanted. Write for prices, also for Spring Price List of Roses, Shrubs, Vines, Perennials, Conifers.

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Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-grown Lilacs, Hydrangea in Sorts, Clematis and H. P. Roses in the best sorts.

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SPECIAL GRADE FOR GRAFTING. \$8.50 per 1000, \$8.00 per 1000 in lots of 10,000 or over. LARGE SIZE FOR BUDDING. \$9.50 per 1000, \$9.00 per 1000 in lots of 10,000 or over. Stock of excellent quality. Ready for immediate shipment. Samples free upon request.

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CALIFORNIA PRIVET

Strong one-year plants. 18 to 24 inches, branched, \$2.00 per 100; \$15.00 per 1000. 12 to 20 inches, strong, \$1.50 per 100; \$10.00 per 1000. Two-year all sold. ANSARAGUS ROOTS Palmetto, Conover's Colossal and Giant Argentiael, extra strong, 2-year, 75c. per 100; \$4.00 per 1000. Strong 2-year, 75c. per 100; \$3.00 per 1000. All tied in 25s. Address, CHARLES BLACK, Hightstown, N. J.

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Prices are low. Stock No. 1 in quality. HARDY RHODODENDRONS, 16-30 in., well budded BOXWOOD, MAGNOLIAS, ORNAMENTAL CONIFERS, ROSES, SHRUBS and TREES, etc., etc. Wholesale trade only. No agents. VAN DER WEIJDEN & CO., Boskoop, HOLLAND

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American Grown - Superior to Imported

We have unsold at the present time the following varieties - all field grown plants, grown in our nurseries at Rochester, N. Y.:

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These plants are in our storage cellars and can be shipped at any time. Prices on request.

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Conducted by Joseph Mechan.

AMERICAN ASSOCIATION OF NURSERYMEN.

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

Judas Trees.

One of the Judas trees, either the native one, *Cercis canadensis*, or the Japanese, *C. japonica*, is wanted wherever a half dozen shrubs are to be planted. Judas trees bloom in early Spring when so many other trees and shrubs are in flower, but they are the only shrubs of all having pink flowers such as these well-known sorts bear. It is rather a misnomer to call them trees, for even in their wild condition they are usually seen in shrub form, though when in good soil and situation the native one will attain a height of 20 feet.

The Japanese one is more truly a shrub, rarely being seen over 10 to 12 feet, and always in a bushy form.

C. canadensis is wild over a great extent of country. It is found within the city limits of Philadelphia, and is abundant in the southern part of the State, the battlefield of Gettysburg containing a great many of them.

Of the two kinds, the Japanese is the better for general planting, especially as a shrub. Its flowers are much the brighter pink, and as already said, its growth is far bushier.

Recently a new one, a white variety of the native *canadensis*, has been added to the others, making in all a good combination.

When grown in a pot or tub the Japanese Judas tree makes a beautiful display, and as seen in a florist's window it attracts much attention. As it forces well and needs but a short time to bring it into flower, it would be worth more trials in this line than it has received. It is a bush that bears pruning well, and as its yearly flowering is assured, florists would do well to give it a good trial as a seller.

Purple-Leaved Plum, *P. Pissardi*.

The demand for the purple-leaved plum keeps up, nurserymen finding that it continues one of the items they have to carry a supply of right along. It is a good thing, useful where a dwarf tree with purple foliage is required, there being nothing else of just its character of growth that could be used. A good thing about it is its holding its foliage purple right through the Summer—something that but few purple shrubs and trees do. This is a good recommendation.

This plum is a variety of the myrobalan, the one generally used for budding all other sorts on, and, of course, the purple-leaved one is worked on it.

Surprise is sometimes expressed that fruit is so seldom seen on the purple plum. The reason is that it is usually planted by itself, and this plum is evidently one of many fruit trees which refuse to bear when no other trees are near it. Many apples, pears and like fruits will bear well only when some other one is near them, even if it be one of the same kind; and many flowering plants are of the same nature. The flowers of one tree have to fertilize those of the other.

When the *Prunus Pissardi* does bear, its fruit is a small, round red-colored one.

Hypericums.

The half shrubby nature of many hypericums has called for their use in many situations where partial shade exists and where something of the nature of these plants is wanted, such, for instance, as the borders of woods or under trees and like places. *Hypericum patulum*, *Moserianum* and *calycinum* are examples in this class; and wherever tried in the way indicated they have proved very satisfactory. Some of them are nearly half creeping, and when under trees which shed their leaves on them in Autumn, they are nearly evergreen, some quite so, where freezings of a severe nature do not occur.

Then how well the taller growing shrub sorts fit in with a lot of shrubs! Their general compact, upright growth and their handsome yellow blossoms—all have flowers of this color—contrast well with the blooms of other shrubs, for not many other yellow-flowered shrubs are blooming when the hypericums are, in Midsummer. *H. prolificum* has good sized yellow flowers, but not as large as those of *aureum*, which are particularly large and showy; and even our native one of familiar appearance in the southern part of New Jersey, the *H. densiflorum*, is worthy of a place in collections, for though its flowers are small they are quite numerous, it being well named *densiflorum*.

The half shrubby sorts of hypericums can be increased by division of the plants, as they increase by spreading, to some extent; but the shrub kinds

do not. The seeds of hypericum are of dust-like appearance, so that great care is required when attempting to grow them from seeds, but from green wood cuttings in Summer full success may be looked for.

The Carolina Rose.

For planting in wet places, our wild rose, *Rosa carolina*, is well fitted, for it is in such situations it is found in its wild state. Many roses would not grow at all where the carolina one flourishes, for as it is found in this part of the country it is in veritable swamps. There are many such places where a rose of this character would be most desirable.

The flowers of the carolina rose are single, pink, and with slight fragrance. A feature which prompts its planting in many instances is its pretty red seed pods, which taking on their color in Midsummer, adorn the bushes until Winter sets in.

Evergreen Privets for Pots.

There are two evergreen privets that could be grown by florists and nurserymen to advantage, chiefly for use in or about dwellings, the *Ligustrum japonicum* and *L. lucidum*. Both are true evergreens, and both equally as hardy as many other evergreens of the broad-leaved section now used for pots and tubs. Of the two, *L. japonicum* is the hardier, while *L. lucidum* has the handsomer foliage.

It would seem that the growing of these as a business looking for the sale of them in the way suggested would prove profitable for those in the South who would engage in it. Neither is quite hardy enough for general growing outdoors, north of Philadelphia. About Philadelphia hedges of the

same kind, the *lucidum*, are common, and if one of our florists, who sell, would take hold of the privilege, it would be a good look of them and grow them on for pot use in the North or for outdoor planting in the South, it is sure that no mistake would be made, for the plants would sell.

Dying Back of the Japan Ivy.

The dying of a branch, hood of the Japan ivy, *Ampelopsis Veitchii*, which is occasionally seen, has been occurring ever since the introduction of the vine, now many years ago. It is seldom that this ivy entirely dies, indeed the loss of a single branch is rather uncommon though it does occur. It is supposed to come from a fungous attack, and as several other Japanese introductions do the same thing it has been called "Japanese die-back."

When a good sized branch dies it is often better to cut the whole vine down to near the ground, that the whole growth may be uniform when it starts afresh, which it will do, if nothing kills the main part. Indeed, many of the very old plants would be the better for a cutting back, for in time, when old, the lower portions of the vine do not remain attached to the wall as they did when young; and a fresh growth from the base will appear much prettier.

Vines planted twenty years or more ago, as many have been, have branches that measure from 4 to 6 inches in diameter, hanging loose from the walls for quite a height from the ground.

Popularity of the Japanese Berberry.

Japanese berberry, or barberry, as so many call it, *Berberis Thunbergii*, is growing in popularity all the time. Whether as a hedge or as an ornamental

single plant, there are but few shrubs superior to it. Whether in Winter or in Summer it matters not, there are attractive features always. At this writing, January 30, the bushes of it are bright with scarlet berries; these are of just as good a scarlet color as before Winter set in, and they will remain so until the bushes are re-clothed with leaves in Spring. The red berries peek from among the new leaves in Spring, giving the impression they are red blossoms, as no one thinks of a bush bearing red berries so early in Spring, and so many cannot believe it as the old berries still in good condition.

Berberis Thunbergii makes a most beautiful hedge, and grows neat and hedge-like without any or with but the slightest trimming, and as its growth is twiggy instead of rampant it rarely gets taller than desired.

To keep pace with the increased call for plants, nurserymen sow great quantities of seeds. The berries are best gathered in late Fall, washed free of pulp and sown in the open ground at once. Should it be impossible to do this, gather the seeds whenever it can be done, wash them free of pulp and place them in a box of damp sand, sowing them the first chance in Spring. Place the box outdoors or in a cool storeroom for the Winter.

The increased calls for this shrub so noticeable the past few years are likely to continue indefinitely. The more it is planted the more its presence will attract others to its usefulness, and besides this, the desire to have one's place filled with beautiful trees and shrubs is more evident every day. Horticulture is on a higher plane to-day than it has ever been before.

THE ALASKA-YUKON-PACIFIC EXPOSITION will be held at Seattle, Wash., opening June 1 and closing October 15, 1909. The purpose of the exposition, which is to exploit Alaska and Yukon and the countries bordering on the Pacific Ocean, is receiving much favorable comment throughout the country.

TEXAS NURSERIES—The Commissioner of Agriculture has given out a statement containing a list of nurseries in Texas. The list shows a total of 200, which is a decrease of 12 from last year and a decrease of 6 for the previous year.



Berberis Thunbergii.

Grown by Peter Bisset, Twin Oaks, Washington, D. C.

L. japonicum have done well when in not over exposed places, and when in half protected spots it is never injured; and this one is quite hardy for propagating outdoors in that vicinity. *L. lucidum* is not fitted for zero weather; it will endure 10 to 20 degrees of frost, but taking Winters north of Washington it could not be classed as a hardy shrub. This is a pity, too, for it has a large, thick shining green leaf, beautiful to look upon, and when grown in a tub in a pyramidal shape, a prettier object in the same line could not be desired.

For use in hallways in Winter, outside a house in Summer, and wherever other evergreens in tubs are

NEW (MY MARYLAND) ROSE

Best up-to-date commercial rose. Read what others have to say about it:

Among the many new roses of the year, there is none which has impressed us more as being worthy of a thorough trial. It has been exhibited only as No. 294, being a seedling raised by John Cook of Baltimore—a beautiful rose with an exquisite fragrance. In color it may be described as a soft salmon pink, which brightens up beautifully as the bud opens. We are intending to plant this rose in quantity.

A. N. PIERSON, Cromwell, Conn.

In reply to your inquiry, what we think of your new rose "My Maryland," we would say that after seeing others we still believe that you have the best new rose of modern times.

GUIDE BROTHERS, Washington, D. C.

Price 2 and 2½ in. pots, \$25.00 per 100; \$200.00 per 1000; 3 in. pots, \$5.00 per dozen.

JOHN COOK, 318 N. Charles Street, BALTIMORE, MD.

FERNS MY SPECIALTY

I have an immense stock of assorted ferns for Jardinieres, healthy and bushy, none better, in 12 of the best market varieties, including *Cyrtium Falcatum*, *Aspidium Trussetense*, *Pteris Wimsetti* and *Mnyil*, in good proportion, from 2½ in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.

CENTER PLANTS (Exact Size)

- Kentia Belmoreana*, 2½ in., \$1.30 per doz., \$10.00 per 100.
- Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
- Adiantum Cuneatum*, fine stock, 2½ in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
- Adiantum Farleyense*, 4 in., \$4.75 per doz., \$35.00 per 100; 5 in., \$8.50 per doz., \$65.00 per 100, 6 in., \$12.00 per doz.
- Adiantum Graecillimum*, 2½ in., \$3.50 per 100, \$30.00 per 1000.
- Cibotium Schiedel*, 4 in., \$3.50 per doz., \$25.00 per 100.
- Nephrolepis Scottii*, 6 in., \$7.00 per doz., \$60.00 per 100; 8 in., \$15.00 per doz., worth the double.
- Elegantissima* and *Pieroni*, 6 in., \$5.50 per doz.
- Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, Short Hills, N. J.

FERNS For Jardinieres

Best varieties, strong, healthy plants from 2 1-4-inch pots, \$3.00 per 100; \$25.00 per 1000. 500 at 1000 rate 3-inch, \$5.00 per 100.

CIBOTIUM Schiedel, 6-in. pots, \$1.00 each.

NEPHROLEPIS Scottii, 7-in., 75c. and \$1.00 each; 9-in., \$1.50 and \$2.00 each.

FRANK N. ESKESEN, Main Street, Madison, N. J.

FERNS

BOSTON, 3 in. \$6.00; 4 in. \$12.50; 5 in. \$25.00; 6 in. \$40.00 per 100; 7 in. 90c. each.

PIERSONI, 3 in. \$6.00; 4 in. \$12.50 per 100

ASPARAGUS PLUMOSUS or SPRENGERI, 2 in. \$3.00; 3 in. \$6.00; 6 in. \$40.00 per 100.

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

NEPHROLEPIS

WHITMANI, 2½ in. \$5.00 per 100; 3½ in. \$25.00 per 100.

FERNS, Boston, 2½ in. \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

FERNS

Boston, Scottii, 4 in. 15c.; 6 in. 40c. Some extra heavy Scottii at 50c. each. All pot grown.

Asparagus Plumosus, 2½ in., \$3.50 per 100

Kentia Belmoreana, 4 in. \$25.00 per 100

Standard varieties of carnation cuttings at popular prices.

H. WESTON, Hempstead, N. Y.

FERNS, FERNS, FERNS

Fine stock of assorted Ferns in best market varieties from 2½ in. pots, at \$3.00 per 100 plants, or \$25.00 per 1000.

Cibotium Schiedel from 4 in. pots, at \$30.00 per 100 plants.

THOMAS P. CHRISTENSEN, Short Hills, N. J.

Bushy Ferns

Unusually fine stock of the Holly Fern (*Cyrtium falcatum*), *Pteris cretica alba*, *Pteris Wimsetti* e. c. 3 in. pots, 6c.; 2 in. pots, 3c. We have never had better plants and will give you very liberal count on January orders.

Cibotium Schiedel, 3 in. pots for growing on, 20c.

ASPARAGUS Plumosus, extra strong 2 in. stock but with some of the foliage slightly disfigured. Give them a small shift and they will make fine plants. \$2.00 per 100.

PRIMULA Obconica Grand. In full bloom. 3 in. pots, 5c.; 3½ in. pots, 6c.; 4 in. pots, 8c.

R. G. HANFORD, NORWALK, CONN.

Nephrolepis Scottii

In the following sizes, extra good value: 2½ in. 50c., 75c. and \$1.00. GRAND SPECIMEN PLANTS at \$3.00, \$4.00, \$5.00 and \$6.00.

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Rutland Rd. and E. 45th St., Brooklyn, N. Y.

LATANIAS

Fine strong plants, 2 in. \$2.00 per 100, \$25.00 per 1000; 3 in. \$3.00 per 100, \$30.00 per 1000; 4 in. \$5.00 per 100, \$50.00 per 1000.

KENTIAS, Belmoreana and Foresteriana, 4 in. 25c., 35c.; 6 in. 50c., 75c.; 6 in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.

PHOENIX, large, from \$2.00 to \$40.00 each.

PANDANUS Utilis, strong 3 in. \$3.50 per 100; \$30.00 per 1000.

AZALEAS INDICA, fine plants, 35c. to \$2.00 each.

FERNS

Boston and Pieroni, 4 in. 15c., 5 in. 25c., 6 in. 50c., 7 in. 75c.

Whitman, 4 in. 25c., 5 in. 60c., 6 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.

Small FERNS for dishes in all shapes, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, Mount Troy, ALLEGHENY, PA.

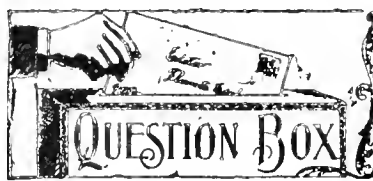
Araucarias

Nice plants from 5 in. pots—
4 to 5 Tiers
60c. each; \$5.50 per dozen.

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WEST GROVE, PA.



1657 Buckingham Place,
CHICAGO, - - ILL.



(29) *Hydrangea arborescens* var. *sterilis*.—Kindly inform me if *Hydrangea arborescens* var. *sterilis* is the same as *H. arborescens grandiflora alba*; if not, how do these two varieties compare as to color of flowers, time of flowering, etc.? Are there any synonyms for *H. arborescens* var. *sterilis*? M. V. E. New York.

—We think the whole matter had best be left to Professor Sargent for his decision. We don't think any great thing is at stake, one way or the other. E. G. HULL, Richmond, Ind.

[Bailey's *Cyclopedia of American Horticulture* gives "Hills of Snow" as a synonym of *H. arborescens* var. *sterilis*. Ed. F. E.]

(30) Rust on Carnations.—I send you some carnation cuttings which are diseased. A few of my plants are also affected. Please tell me what it is. Shall I throw out any or all of my cuttings and get other stock, or can I do something with the cuttings which will make the future plants all right? North Carolina, R.

—The carnations are affected with a little rust only. We would not advise throwing away the whole crop; just pick off all affected leaves, get the young plants potted as soon as sufficiently rooted, avoid spraying as much as possible and the plants will soon grow away from the disease.

(31) Growing Ground Pine on Long Island.—Will you kindly tell me if ground pine can be grown in the woods of Long Island, and how and when is the time to do it. Conn. C. C.

—The writer has never seen ground pine (*Lycopodium obscurum*) growing on Long Island, but our Mr. Wells states that he has seen it near here in limited quantity. Doubtless farther east, along the north shore where population is sparser, and it is not pulled, it can be found in abundance. BLOODGOOD NURSERIES, INC., Flushing, N. Y.

Ground pine does grow on Long Island though not in great quantities. I have never seen it transplanted, but would suppose that early Spring would be a good time to move it. It is a very dwarf undergrowth in moist land States.

The ground pine used for Christmas greens here is shipped from northern New York and New England. THEO. P. LAWLER, Flushing, N. Y.

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ROSES, PALMS, CROTONS

CARNATIONS and Novelties
in DECORATIVE PLANTS

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GOOD TUBERS 2 TO 3 EYES
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Red and Crimson Cannas

Louisiana, 7 ft. high, Doz.	100	1000
10c. each	\$1.00	\$10.00
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Chas Henderson, 1 ft.	.30	2.00
Crimson Belder, 3 ft.	.35	2.25
Duke of Marlborough, 4½ ft.	.35	2.75
J. D. Eisele, 5 ft.	.35	2.25
Explorateur Crampel, 5½ ft.	.30	2.00
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Pink Cannas

L. Patry, 4½ ft.	.35	2.25
Luray, 3 ft.	.35	2.25
Louise, 4½ ft.	.35	3.50
Mlle. Berat, 4½ ft.	.35	2.25
Tennyson, 5½ ft.	.50	3.00

Orange Scarlet Cannas

Pres. Cleveland, 4 ft. .35 2.25 20.00

Red, Gold-Edged Cannas

Indiana, 3 to 4 ft. high, 15c. each	1.50	10.00
Mme. Crozy, 5½ ft.	.40	2.75
Souv. de A. Crozy, 4 ft.	.40	2.75
Premier, 2½ ft.	.35	2.25

Yellow Cannas

Buttercup, 3½ ft.	.75	4.25
Comte de Bouchard, 4½ ft.	.35	2.25
Florence Vaughan, 5 ft.	.50	2.75
L. E. Bailey, 4½ ft.	.30	2.00

Bronze-Leaved Cannas

Brandywine, 4 to 5 ft.	.35	3.50
Black Beauty, 5 ft.	.50	2.75
David Harum, 3½ ft.	.50	3.25
Egandale, 4 ft.	.50	2.75
Leonard Vaughan, 4½ ft.	.50	2.75
Musafolia, 8 ft.	.35	2.25
Robusta, 6 to 8 ft.	.30	1.75
Shenandoah, 6 ft.	.35	2.25
Stadcrath Heidenreich, 1½ ft. 20c. each.	2.00	15.00

Orchid Cannas

Allemania, 4 to 5 ft.	.35	2.25
Austria, 5 ft.	.30	1.75
Italia, 4½ ft.	.35	2.25
King Humbert, 4 ft.	1.25	10.00
Kronus, 5 ft.	.35	2.25
Mrs. Kate Gray, 6 ft.	.35	2.25
Pennsylvania, 5 ft.	.50	2.75

All above Cannas packed 250 in a case. Full case at 1000 rate; 25 at 100 rate.

Caladiums Esculentum (Elephant's Ear)

Bulbs measuring 6 to 8 in. Dnz.	100	1000
in circum.	.25	1.50
Bulbs measuring 8 to 10 in. in circum.	.50	3.50
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Bulbs measuring 12 to 13 in. in circum.	1.00	8.00
Monster Bulbs measuring 12 in. and upward in circum.	\$1.50 per doz.; \$12.00 per 100.	

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European Seed Notes.

The frost has killed nearly all our outdoor plants of biennial stocks, and as this is the third year in succession that this has happened there will be very little left to sell next season. The stock of Beauty of Nice, while a most excellent strain, is hardly a sufficient substitute. Wallflowers appear very sickly, but are not yet dead; the changeable weather during the past week has done much more harm to all our growing plants than the severe frosts of December. The annual fight with the radish seed growers is now in full swing. With the higher prices ruling for grain, a rise in prices for seed crops of every kind is a foregone conclusion. This is especially true of annuals such as cress, mustard, radish and spinach. Our friends must make up their minds to pay a little more for these. As regards biennials for 1909, it is possible that the market may right itself before transplanting begins. An excellent summary of A. W. Sutton's valuable paper on "Recent Grass-Crosses," which was mentioned in these notes last week, appears in the Gardeners' Chronicle for January 25. It is profusely illustrated and is full of interest to the botanist and should be full of interest and profit to every up-to-date seedman. Several of Mr. Sutton's crosses will certainly become valuable additions to our list of green vegetables. The lecture is to be repeated before the scientific committee of the Royal Horticultural Society on the 28th inst. Mons. Philippe de Vilmorin was unable to attend the annual dinner of the French Society in London, owing to the illness of his mother, the widow of Henri de Vilmorin, so well known on your side. The dinner itself was a great success under the genial presidency of Harry J. Veitch. EUROPEAN SEEDS.

ROSES

Potting.

Cutting put in the sand in January will soon be ready to pot. The soil should now be in a warm place, for it cold the little roots coming from the warm sand are easily chilled and from this they recover very slowly. Stir the soil through a fine sieve, so that there will be no danger of breaking the roots by their being pressed against lumps or stones; and the soil should be moist enough to pack nicely and still not cake. Be in no hurry to pot off the cutting, till the rootlets are about one-half to one inch in length, for best results; at longer there is danger of breaking them. For the first potting 2 1/2 and 3 1/2 inch pots are the best, though some growers use 3 inch pots and plant from these, thus doing away with repotting, but as the larger pots require more room the cost is increased and then a repotted plant, other conditions being equal, is much better than the other. Then, too, the danger of overwatering is lessened. In potting firm the soil well, but not too hard, and fill the pots as near alike as possible, to facilitate watering later. Just before taking the cuttings from the sand give them a good watering and do not take up too many at a time, as they must not be exposed to the air very much. After potting give a thorough watering, so that the ball is wet through; this will generally be sufficient for several days. Keep the plants shaded from the sun until the roots start, after which gradually allow them to receive the full rays of the sun. As our next season's success depends on these plants give them the best and lightest spot possible, so as to insure a strong growth. It is well to remove all the soil from the bench where the young plants are to be placed and to fill in two or three inches of ashes; these will afford good drainage and prevent the worms working into the pots. Discard all cuttings that are not well rooted; this will insure a more even batch of plants. It is quality and not quantity that we want. If, as has been suggested before, we take cuttings from healthy plants, then weed on the poorly rooted ones, again discarding the weak plants when repotting, we can be reasonably sure of having good fine stock at planting time. Now is the time to decide just how much room will be devoted to each variety and also to place your order for at least a dozen of the new claimants for favor. While, possibly, it would not be policy to invest too freely in a novelty, still every grower should try at least a few; he may thus find something out of the ordinary that just suits his soil and conditions, and thus be able to improve his business. Killarney the coming season will be grown in larger numbers near New York, as its needs are now better understood, and as it produces good flowers on stiff stems in medium grades more freely than Bridesmaid. Richmond, on the other hand, will be less in evidence, as the demand has not been as good for this rose. It is a pity that this variety has not a few more petals; it is such a splendid grower that we do not like to discard it. PENN.

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DAYTON, O. As we go to press we learn of the sudden death of J. B. Heiss, the well-known florist, which occurred while he was on a visit to his brother-in-law at Bethel, on Friday, January 31 last. Fuller particulars will be given next week.

Indianapolis.

News Notes.

John Bertemann and A. F. J. Baur have returned from the Washington convention much pleased with the outcome. The carnationists will be welcomed in Indianapolis in 1909; this is the third time the local florists will have been honored with the presence of the American Carnation Society, and no effort will be spared to make the event a great success. The State Florists' Association held its monthly meeting February 4 at the Commercial Club rooms. The City Park Board is to secure funds with which to complete extensive boulevard plans. This is done at the present date in order to afford work to the unemployed. Many more acres have been acquired by the board for park purposes. Stewart Ritchie has just perfected plans for the immediate erection of another large carnation house. D. M.

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S. A. Nutt, Beate Poltevine, Buchner, Ricard, Doyle, Viand, Pasteur, Mme. Salteron, 2 in. pots, \$2.00 per 100, \$20.00 per 1000.

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 COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.
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THE WEEK'S WORK

Timme's Timely Teachings.

Primulas.

From the middle of this month until the end of April several sowings of *Primula sinensis* should be made at intervals of about four weeks. Primulas are good stock, the kind that every gardener can grow to perfection, every retailer can recommend as the best of dwelling room plants, one of the few kinds that neither grower nor buyer seems ever to tire of. It is better to supply the demand, which is a good one from early in the Fall until Spring, with stock reared in successive batches, than do as most retail growers do—rely on the outcome of one sowing, made some time in March, and then either run out of stock when more could profitably be handled or be compelled at the last to offer wobbling, long-necked and over-pot-bound plants.

The first lot, to be sown now, should be seeds of such kinds as *Kermesina splendens*, *rubra*, *Chiswick red* and *Rosy Morn*, as also, at least, one flat of the best strain of *Primula obconica*; this latter to be followed by another sowing of the same in April. Mixed strains of Chinese primulas for the latest lots are to be preferred to separate colors, unless great quantities are to be grown. All kinds of greenhouse primulas will do better, be stronger, throw larger and finer flowers, when potted in a rather stiff, but fibrous loam, intermixed with very old manure and a bit of sand, than when potted in too spongy or loose soil, such as contains sandy peat or leaf mold. Even in starting the seeds the soil should be somewhat heavier than that commonly used for the purpose and the seedlings will be sturdier when ready to be handled. At this early date the seed pans, or flats, should be placed on a bottom-warm bench in a house with a temperature and atmosphere as maintained during these months for the more tender kinds of flowering potted plants. Under proper care during germination and after the seedlings are up it will scarcely be necessary to transplant into other flats before they reach the right size for being potted up, unless the little seedlings appear too crowded. Box culture, a shifting from box to box until strong enough for larger sized pots; or, better still, a planting out into the free soil of a mildly heated outdoor frame later on, there to attain full size for the final potting up in early Fall, may be depended upon to result in finer, sturdier plants than any reared under continuous pot culture from the start.

At all events this course should be pursued with the later started lots, if hotbeds and frames are available. The caretaking of primulas in outdoor frames is not a more arduous task than properly attending to their needs when grown otherwise; that is, in pots, or under greenhouse glass. Shading during bright Summer days, the opening and closing of sashes as needed at first, taking them off on cloudy, warm days later on, leaving them off at nights, pinching out premature buds and keeping the plants clean and watered as required, are principal points of frame treatment to be observed in the case of primulas.

While, all things considered, these varieties of primroses are among the easiest of plants to raise, in one single particular they are the most exacting; it is this—the depth at which the plants are set into the soil when transplanted or potted. If a trifle too high they will eventually fall to one side; if in any way planted too deeply the leaf stalks and ultimately the whole crown are likely to rot off.

Smilax.

It is time to sow smilax. The seeds need steady heat and moisture for rapid germination; a rose house temperature and a slightly intensified

heat from pipes directly underneath the bench on which to place the seed trays will be right for the purpose. Any good grade of sandy, fairly rich potting soil will do for the starting of the seeds, these to be lightly covered with the same, or, instead of soil, with a thin layer of finely broken-up and sifted moss, all to be kept uniformly moist by light top sprayings and a covering with glass, boards or paper until the seeds have sprouted. Although it is then necessary to afford all the light possible, as with all seedlings, a removal of the trays from their warm quarters to a cooler place is not advisable in the case of smilax. While they must have light, they should not be deprived of atmospheric and bottom heat, should not be placed in a house or on a shelf, though lighter, also much drier and cooler, a course all correct and safe with many other kinds of stock raised from seeds, but not the right one to follow in the growing of good smilax and asparagus plants for the making of indoor plantations in June or early July, started now, as they are, with this end in view. When the seedlings are of size, having made their second or third leaves, and have then been transplanted from trays to pots, bottom heat again should be resorted to as a means, not merely to expedite top growth, but mainly to impart volume to and maintain vital action of the roots. If this is followed up after every shift, the grower's efforts being conducive in this direction rather than toward rapid top growth, far better stock would be had for the making or renewal of smilax plantations than is usually the case.

Asparagus.

Of even greater value now-a-days than smilax to the decorator and wholesale and retail grower alike are the kinds of ornamental asparagus as cultivated so extensively at present under glass. Wherever one may go asparagus is the leading article in decorative greens, almost to the entire exclusion of any other of the various species greenhouse-grown as such in years gone by. Growers for the wholesale demand have long since felt the need of separate structures for the production of Asparagus plumosus, and many are the houses especially designed and erected for this culture. In such houses all the cultural requirements can fully be met, which very rarely is the case on places conducted by the average retail grower. For the attainment of best results in the growing of marketable strings, if this is the object in making the attempt, a house, a bench or part of a bench must be chosen that leaves no doubt as to sufficiency of head room, ventilation, light, heat, depth and fertility of soil.

There is little use in trying to grow a good cut crop followed by many more in succession, of either asparagus or smilax, if the chief promoters of vigorous growth—a steadily maintained temperature of between 60 and 65 degrees combined with a congenially humid atmosphere and deeply rooted footing in highly enriched soil—cannot be provided. But where such a place is available it will probably work as well, or perhaps more so toward earning fair returns if stocked with Asparagus plumosus than grown to any other crop. If rightly managed one planting will suffice for several years; but to renew the bed before exhaustion of the old plants tends to lower the quality of the product is the wise grower's way of doing. Young stock is raised for the purpose in the same manner as advised for smilax, a sowing of seeds now made resulting in fine, sturdy plants by the middle of June—a good time for the renewal of old or the making of new beds. There need be no fear, however, of root formation not keeping pace with top growth in the raising of asparagus seedlings; in this they differ greatly from smilax from beginning to end. It is this profusion of roots, ever on the search for food, which, in the culture of Asparagus Sprengerii in particular, calls for an abundance of space and great depth of the soil in

planting and liberally measured quantities of partly decayed fertilizer in the preparing of the same. Green room on all sides is also needed for perfect development of top growth, and the full light, healthful air, sufficient moisture in the soil and liquid feeding when the plants are doing their best in perfecting fine sprays of which, after all, only stands for good culture, generally well paid for, doubtlessly so in the culture of asparagus.

Cyclamens.

In the caretaking of greenhouse stock at this season the grower's attention is claimed by two distinctly different sets of cyclamens—the full grown plants of flowering size and the young seedlings started four or five months ago. The treatment of the one differs also materially from that of the other and this especially as regards ventilation and temperature; while for all of them the time has come when a light shading overhead during the sunniest hours of an exceptionally bright day, especially when preceded by a long string of gloomy weather, will prove of benefit. It is from now until we have fairly emerged from Winter's prolonged cloudiness, when an occasional gleam of noonday sunlight is more apt to harm soft growth under glass than at almost any other season. During this period any sort of light shading contrivance, handily placed for adjustment when needed, will prove of service and should be in readiness.

The older plants, now flowering or studded with buds, need for their size, as compared with most other kinds of greenhouse stock, considerable bench room; but without sufficient space between them no really fine or perfectly developed cyclamens can be grown. Their foliage, in many of the superbly finished specimens, as ornamental and indispensable a feature as the number and color of the flowers, and always playing a prominent part in the attractive makeup of any cyclamen put forth as a salable plant, will gain in coloring, texture and durability if as freely exposed as possible to light and air, thus also being benefited to the full extent by frequent spraying. Liquid feeding while the buds are pushing upward helps greatly in finishing up in finest form. Manure-water alternating with applications of pure extract of soot, each to be given once a week until the flowers are fully expanded, will have a greater effect in upholding vigor and imparting intensity to coloring of foliage and flowers than one kind of stimulant alone continuously applied, which in the case of soot, strongly and often given, is a risky and unwise proceeding. Properly cared for, avoiding crowdedness, regularly watered and sprayed, spreading tobacco stems between the pots and keeping the plants in a cool, well-ventilated house, will give greenly and mites little chance of ever becoming a source of great annoyance to a watchful grower.

The young stock should by this time have undergone at least one transplanting, either into small pots or into another box. In either case, the soil to be used for this first shift should be of a light, friable character, very sandy, fresh loam and partly decomposed leaf mold in like proportion being the right kind for the small seedlings, while a more enriched soil should be employed in the later shifts. If ample provision is made for readily working drainage in boxes and the plants as they grow stronger and in need of more room are transplanted from one into the other until of good size for being potted up into 3 or 4-inch pots, this method will prove the easier and shorter process in the growing of fine, sturdy cyclamens during the first half of their lives. In shifting the seedlings from box to box, which if done with any sort of care, causes no interruption in growth, they always present a greatly varying lot as to size, some having outstripped their fellows to so great an extent that an assorting is

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the best thing to be done, so that those most nearly alike as to strength of growth may be kept together by themselves in separate boxes. This, in continuous box culture, amounts to very much in lightening the caretaking of the young plants. In planting the seedlings, it is safest to manage so that after the soil has been settled by the first watering the tops of the little bulbs remain above ground, the lower half, at least, to be out of sight, or below the surface of the soil.

In a house with a temperature not varying greatly between 55 at night and from 60 to 65 degrees on bright days, a house regularly fumigated and cautiously aired, young cyclamens, whether in trays or already in pots, will stay free of insects and do a good bit of growing from now on. Necessary at all times, but especially so at this season and at this stage in their career, is care in watering, shading on exceptionally bright days, but at all other times affording all the direct light that now it is possible to give. FRED. W. TIMME.

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American Carnation Society.

The proceedings of the seventeenth annual meeting of the American Carnation Society for the year 1908 now form part of the great and interesting story connected with this progressive body. That they were of a highly instructive character will have been gleaned from our very complete report of the event given in our last week's number.

Fred. H. Lemon made an admirable presiding officer, and his address was a most practical one. His conclusions regarding the value and educational character of the society's certificate are those which have always been held by the sensible carnation growers of the country—that "the certificate is nothing except an opinion of the quality of the flower shown at the exhibition." It could be regarded as nothing else.

And while Mr. Lemon desires to encourage in every way the exhibiting of new varieties at the annual shows, he does not, we believe, wish his remarks to be construed as having reference to flowers that fall short of existing sorts, or that would add no credit either to the exhibition or to the grower. Blooms of this kind are, so far as our observation has gone, generally passed by, both by judges and visitors, and the only lesson to be learned from their appearance on the exhibition table is that by the exhibitor himself in demonstrating to him how far behind he is in the production of modern carnation blooms. This, of course, is always salutary and necessary instruction of which a more general acquisition might prove beneficial to those requiring it whose numbers in these days should be few—but as a feature of an exhibition, pure and simple, it is not, we think, the most desirable.

The granting of a "Medal of Merit" to the originator of a carnation that shall manifest superiority commercially and maintain such superiority for three or more years, is an action to be commended, and will prove but a fitting recognition of painstaking effort that has resulted in benefiting carnation growers generally. It is an honor, when bestowed, that will, we doubt not, be valued highly, as it should be, in these days when large numbers of new sorts prove so transitory.

We also think the society did well in removing the fees for registration and certificate entries. These items form part of the work of the organization, which the annual dues should be regarded as sufficient to cover.

The elimination of the charges referred to may result in a little financial loss to the society, but it is a self-sacrifice that, we feel sure, will be generally appreciated by the members.

We note with pleasure, too, the passing of the motion to prune the registration descriptions, so as to confine these to facts instead of to opinions. This is something we have long advocated, as we never could see the justice or fairness of a newcomer trying to ride to fame and finance on the shoulders of proven-worthy predecessors.

President Lemon's warning regarding the likely competition of foreign growers in the production of new varieties is opportune and should be heeded. We hope some exchange of novelties can be effected, whereby mutual help regarding their worth and adaptability to the methods and markets of the countries between which such exchange takes place, can be secured.

We also endorse his remarks concerning the exhibition of carnations in pots, and of displays demonstrating the possibilities of the flower in decorative work. At Indianapolis, next year, we hope to see a beginning made in each of these directions.

The action of the society in offering its medals to be competed for at the forthcoming National Flower Show in Chicago is commendable; a reciprocal deed is always praiseworthy.

The members of the society as well as all carnation growers throughout the country will read with regret of the desire of Secretary Albert M. Herr to retire from that office next year. Having been closely associated with that genial gentleman ever since he assumed his duties, we can testify to his unflinching courtesy, his fair and impartial methods and to the great interest always taken by him in his arduous work. Mr. Herr deserves well of his fellow-members, to whom his long services have given such great satisfaction. The annual reports of the organization during these many years will stand as a monument to his untiring energy and unselfish endeavor on behalf of the American Carnation Society.

The discussion on the expectations of the introducer and buyer of a new carnation respectively did not evolve anything particularly new. Introducers would do well, however, to keep before them the sound suggestions submitted by Mr. Skidelsky, which, summed up, are equivalent to the giving of a "square deal," and only by doling out such treatment can any business be built up on stable lines. While there have doubtless been some miscarriages of justice and fairness, yet there is a good deal in the statement of Frank R. Pierson, that the progress made in the introduction of new varieties of carnations during the past decade is sufficient proof that the majority of introducers are exercising the necessary precautions previous to dissemination. But it is human nature to almost overlook the good work done and to exaggerate that of an inferior quality, something that has happened in this case, as Mr. Pierson correctly put it.

We would call the particular attention of our readers to the valuable paper presented by Professor Galloway (page 116) on the work done and doing by the Department of Agriculture at Washington in behalf of the carnation; especially should a careful study be made of the printed table accompanying that paper. Of especial value, also, are the papers on carnation breeding furnished by Professor Norton, Messrs. C. W. Ward and Richard Witterstaetter. The freedom with which each of these gentlemen gives of his experience is deserving of all praise, and many helpful lessons along the line of crossing carnations can be gleaned therefrom. The fact that Professor Norton is convinced that ere long the breeding of carnations will conform to Mendel's law as applied to plant production is very encouraging, and his call for pedigree records so far as obtainable should not go unheeded. A collation of all such records would be of inestimable value along the lines of systematic breeding of the carnation.

Taking the Washington convention and exhibition of the American Carnation Society as a whole they can safely be classed as measuring well up to those that have gone before. And that the Indianapolis gathering in 1909, with M. A. Patten at the helm, and the well-known enthusiasm and hospitality of the Hoosiers, will maintain the high standard set, is a foregone conclusion.

The Bud-Rot of Carnations.

The Nebraska Experiment Station has just issued Bulletin 103, on "Bud-Rot of Carnations" and "A Mite Accompanying the Bud-Rot of Carnations."

The bud-rot of carnations is a new and destructive disease which has been prevalent in the greenhouses in Nebraska and a number of other States during the past few years. The disease affects the buds in various stages of maturity and produces a rotting of the petals and other flower parts, at least the parts enclosed by the calyx, thus interfering with the normal opening of the flower.

In the historical summary it is shown that of the various diseases affecting carnations only two have previously been described which injure the buds or flowers. The carnation bud-rot is a disease confined entirely to

the buds and flowers, and under conditions favorable for its development has caused serious losses, ranging from 10 to 25 per cent. The disease has been determined to be the result of the growth in the buds of a definite species of fungus, *Sporotrichum anthophilum*, which was first described by Professor Peck in New York. A mite has been found as a constant accompaniment of the fungus in the rotting buds, but the experiments carried out up to date lead to the belief that it is a secondary factor in the cause of the disease, serving only to disseminate the spores and intensify the trouble. The symptoms of the disease are described and different stages of affected buds illustrated by half-tones, so that any florist should be able to identify the disease.

The study has shown that the valuable Lawson carnation is the variety most seriously affected, while no varieties appear to be entirely exempt from the trouble. The most important factor influencing the development and spread of the disease is the water relation. In all houses where the disease has been prevalent the air and soil have been kept too damp. In addition to the water factor, the unhygienic practices which prevail in some houses, such as allowing the accumulation of leaves, rotting buds, trimmings, decaying wood and organic remains in general, apparently afford favorable conditions for the development of the disease.

The disease may be controlled by practicing clean culture with the destruction of all organic remains, keeping the moisture down to a minimum necessary for the healthy growth of the plants, and by picking off the affected buds and destroying them by burning.

The last part of the bulletin, by Dr. R. H. Wolcott, is devoted to a technical description of the mite which accompanies the disease.

Any one interested in this bulletin can receive it by writing the Director of the Nebraska Experiment Station, Lincoln, Nebraska.

Agricultural High Schools.

There has been presented to the lower house of Congress, by Representative Charles R. Davis of the third congressional district of Minnesota, a bill (H. R. 534) which should receive the hearty endorsement of the florist trade, inasmuch as its provisions are right in line with the desires and aims of the S. A. F. O. H., as these were expressed and outlined at the Philadelphia convention last year, to the effect that horticulture should form one of the studies of pupils in the various schools through the United States. The Davis bill does not directly specify the teaching of horticulture, but it is generally accepted that the term agriculture is sufficiently broad to cover and does cover horticulture in its various branches, and as the Secretary of Agriculture is in charge, under the provisions of the Davis bill, of the allotments to be made to the respective States, Territories, and the District of Columbia, for the purpose of the proper carrying out of the provisions of the act, it may, we think, be safely assumed that the teaching of horticulture, including floriculture, will not be overlooked in the new curriculum.

The bill provides, among other things:

Section 1. That, commencing with the fiscal year beginning July 1, 1910, there shall be and hereby is annually appropriated, to be paid, as hereinafter provided, to each State and Territory and to the District of Columbia for the maintenance of instruction in agriculture and home economics in agricultural high schools of secondary grade and instruction in mechanic arts and in home economics in city high schools of secondary grade, a sum of money equal to not more than ten cents per capita of the population of each State and Territory and the District of Columbia, respectively, as shown by the last preceding federal or State census, PROVIDED, that in any State with less than five counties and in any State or Territory with less than one hundred thousand rural population there shall be one agricultural high school which shall receive not more than ten thousand dollars annually under the provisions of this act.

Section 2. That the funds thus appropriated for instruction shall be used only for distinctive studies in agriculture and home economics in agricultural high schools and for distinctive studies in mechanic arts and home economics in city high schools, and that all States, Territories and the District of Columbia and all cities and schools accepting these funds shall provide other funds with which to pay the cost of providing the necessary lands and buildings and to pay the cost of instruction in such other and general studies of secondary grade as will complete a well-rounded high school curriculum suited to the needs of the respective sections of the Union.

Tecoma Brycel.

Editor Florists' Exchange:

The above is undoubtedly the correct name of the plant mentioned in The Florists' Exchange, page 41, as Tecoma Regina Sabine. The Gardeners' Chronicle, London, England, published a supplementary illustration of the species about two years ago, with full details of the reason for adopting the name heading this note.

Maryland.

COUSIN JACK.

The Carnation Society Banquet.

As mentioned in last week's issue a banquet was tendered the visiting delegates and their ladies by the Washington Florists' Club at Raucher's Hotel. It was a most pleasant affair and greatly enjoyed by all present. Regrets were expressed at the unavoidable absence of William R. Smith and Joseph R. Freeman, both of whom were suffering from the grip, a malady just now very prevalent in the Capital City.

President Peter Bissonet of the local club acted as toastmaster, and introduced the various speakers. In reply to the toast "Our Country and President," Hon. William E. Andrews, Auditor of the United States Treasury, Washington, D. C., made a stirring and patriotic address, which would have done duty as a Fourth of July oration or for a similar occasion, and in which the eagle was made to scream vociferously. The speaker epitomized the history and development of the country from the landing of Columbus to the regime of President Roosevelt, his remarks being punctuated with great applause.

Fred H. Lemon responded to the toast "The American Carnation Society." He traced the history of the organization from its inception, stating that its founders were optimists imbued with the idea of developing the possibilities of the flower, with a desire to encourage fair competition rather than to control the output. He paid high tribute to the loyalty of the Canadian growers, among whom were some of the society's staunchest supporters. "There is no dividing line as regards the American Carnation Society," said Mr. Lemon, "we are all one people." (Applause.) Mr. Lemon sees a bright future for the association, and he predicted a great exhibition and meeting at Indianapolis next year.

President-elect M. A. Patten then made a few remarks. He thanked all for the honor conferred upon him, and characterized the Washington exhibition as the greatest carnation display ever held in the world. He was followed by John H. Dunlop, who expressed the appreciation of the Canadian brethren for the courtesies extended to them. He commended the business tact of the members of the Carnation Society, which, he said, always resulted in great attention being paid to the proceedings, and a keen interest manifested in the exhibition; he promised a good delegation from Canada at the Indianapolis gathering in 1909.

The toast "Washington, Our Capital," was fittingly responded to by Hon. Robert N. Harper, President of the Washington Chamber of Commerce. He said that the aim of Washington was to become as great an industrial as it was now a legislative and cultured center, and he pointed out the possibilities and advantages of the city along this line.

Professor Koehler of Washington here entertained the audience with several humorous and Shakespearean recitations which were much enjoyed.

The next toast on the list was "The Department of Agriculture," responded to by Professor David G. Fairchild. In the course of his remarks Mr. Fairchild expressed his pleasure at being able to look into the faces of the men who had done so much for the improvement of the carnation. Florists had not always made the fortunes they do to-day in the creation of new varieties that please the public eye.

Speaking of the Department of Agriculture, the professor said that it is generally looked upon as an organization of the Government, but there are very few who take the pains to study out and to realize what the Department really is. "It is a collection of young men; the Department of Agriculture as it stands to-day has been built up by just such men as are here this evening. It can be easily criticised; it has many faults, and practical men are those who most easily find out its shortcomings." Mr. Fairchild then briefly outlined the history of the Department from its inception in 1849. There are now over 5,000 employees in the various branches of the Department. "What are these men doing?" you will ask. "They are drawing their salaries," many of you will say. But, gentlemen, we are trying to do something that it is very difficult to do. The bureau of plant introduction, with which over 800 men are now connected, is trying to find out what plant producers want and to meet that want. The problem of intensive agriculture is a great one, and there are already in the field two races whose knowledge of intensive agriculture is immensely greater than ours. While the Department of Agriculture was yet in its infancy, Japan sent to Washington and took the then Commissioner of Agriculture to organize its own similar institution. There are now 47 experiment stations in that little empire, and these are models of equipment and research. China has also started in along the lines of intensive cultivation. "We know that the Japanese are great florists and cultivators," said Mr. Fairchild, "but it is my opinion the Chinaman is the greater, and that we have before us a great competition—the greatest that the world has ever known. And it is not with the European nations, which we have left behind in some respects in the advancement we have made in practical plant production; but it is in the Orient."

Professor Fairchild then referred to the efforts of the Department to secure new plants of value, again

emphasizing the difficulty of finding just what the public wants. The Department does not aim to build up a great herbarium or a great botanical garden, but it aims to get and get quickly into the hands of cultivators living seeds and plants. "In this work a beginning has been made, and it remains for individuals and associations such as this to make the necessary use of the material which the Department of Agriculture provides." (Applause.)

Robert Craig replied to the toast "Horticulture." The practice of the art, he said, had in every age proved the greatest enjoyment to all engaged in it; man's most perfect rest was found in a garden. Mr. Craig paid a glowing tribute to the work done by the Bureau of Plant Industry at Washington, under the able supervision of Dr. Galloway; and spoke with appreciation of the labors of William R. Smith, through whose instrumentality valuable shrubs and trees have been distributed to all parts of the country. "Until the work of that man is written up by a capable hand, we cannot estimate the value of that work," said Mr. Craig.

"The Horticultural Press" was eloquently handled by William J. Stewart, who pointed out the press's great services to the trade, its importance, and the cheap cost to the purchaser at which each of the trade papers was placed in his hands.



The Late Gustave Wittbold
(See Obituary Page 148 issue of February 1, 1908)

William F. Gude, in his usual felicitous and graceful manner, responded to the toast "Our Guests," followed by C. W. Ward for "The Ladies," in his able style.

The distribution of the various medals and other trophies was then proceeded with; after which was read the report of the committee on final resolutions, in which thanks were tendered the Commissioners of the District of Columbia, and the Washington Florists' Club, reference made to the valuable things learned at the joint meetings with the American Breeders' Association; special votes of thanks passed to Professors Galloway and Norton for their instructive lectures, also to the press of Washington for the full and accurate reports of the society's meetings.

The affair terminated at a late hour.

Reception at the White House.

On Thursday afternoon the delegates attending the conventions of the American Breeders' Association and the American Carnation Society were received by President Roosevelt in the East Room of the White House. Splendid vases of carnations Alma Ward and Mrs. C. W. Ward, also a mixed vase of Afterglow, Aristocrat and Beacon, were presented to the President. Mr. Ward in tendering the flowers said: I have a very pleasant duty to perform, having been instructed by the American Breeders' Association and the American Carnation Society to present you, Mr. President, with specimens of what are considered fair samples of sci-

entific breeding which applied to the carnation. One vase is for yourself, the other for Mr. Roosevelt, and as is your rule, Mrs. Roosevelt will of course have the privilege of selecting the vase she prefers.

The President returned thanks for the gift, expressed himself as being glad to meet the delegates, and congratulated those who had brought them. He then shook hands with the visitors, and with the fair sex along with them on their last departure. An word of greeting to several. When William P. Craig's turn came, he commented on the fact that although the carnationists all wore a flower, the President did not, and he immediately removed an Eucharistress bloom from his own lapel, pinning it on that of Mr. Roosevelt, who enjoyed the remedying of what Mr. Craig termed "an outrage."

Thus passed into history a great event in the life of the eventful Carnation Society.

CLUB AND SOCIETY DOINGS

THE TARRYTOWN (N. Y.) HORTICULTURAL SOCIETY held its regular monthly meeting in Good Templars Hall on Friday evening, January 31, 1908. President Angus in the chair. There was a large attendance of members. William W. Weaver was elected an active member, and one nomination was received.

Several communications were read from friends regretting their inability to be present at our last annual dinner; and an invitation was also read from the New Jersey Floricultural Society requesting members to attend its annual smoker on February 7.

As it was carnation night, and as treasurer J. T. Lawrie had kindly offered two prizes for the best 18 blooms, 3 varieties, 6 of each, a very fine display of flowers was in evidence. First prize was awarded to Mr. Samuel Untermyer (W. H. Waite, gardener), Yonkers, N. Y., with varieties Winsor, Eucharistress and White Eucharistress. Second prize went to Mr. Geo. Legg (J. Elliott, gardener), Tarrytown, N. Y.; with White Eucharistress, Miss Helen M. Gould and Mrs. M. A. Patten. F. R. Pierson Company had, for display only, a very fine lot which was awarded honorable mention; the varieties were, White Perfection, Red Chief, Victory, Melody, Beacon, Winsor, Rose Pink Eucharistress, White Eucharistress, Variegated Lawson. Honorable mention was also given to Scott Brothers, Elm-Gord Nurseries, for vases of Beacon and Helen M. Gould. A cultural certificate was awarded to Mr. Waite for very finely grown spikes of magnonette May's Giant.

Quite a lengthy discussion on carnation growing followed, viz.: cutting, method of striking, temperature, growing ready for the field or indoor, benching, etc. All listened with pleasure to the interesting remarks made by William Scott, F. R. Pierson, D. McFarlane and John Woodcock.

The most entertaining feature of the evening was the brief account of visits made by F. R. Pierson to several growers in different parts of the country, also his attendance at the convention of the American Carnation Society, at Washington, the grand exhibition, banquet, reception, etc.

LOUIS A. MARTIN.

NEWPORT (R. I.) HORTICULTURAL SOCIETY. The regular fortnightly meeting of this society was held on Tuesday evening, January 28, in Mercury Hall, President John T. Allan in the chair. Alex. MacLellan gave an interesting address on "Plant Nomenclature," which was well received. The discussion following was taken part in by Messrs. Joseph Gibson, James McLeish, A. O. O. Taylor, Bruce Butterton and John Baumgardner.

Refreshments were served by the entertainment committee, after which a lively discussion took place on the classification of dahlias, there being a divided opinion regarding the class to which that fine yellow, Mrs. Charles Turner, belongs. The prevailing opinion seemed to be that under high cultivation it can be developed into a good cactus form. D. M.

AMERICAN BREEDERS' ASSOCIATION.—At its meeting in Washington, D. C., last week this organization elected the following officers for the ensuing year: President, James Wilson, Secretary of Agriculture; vice-president, Charles Willis Ward, Queens, N. Y.; secretary, W. M. Hays; assistant secretary, H. H. Mowry; treasurer, M. H. Gentry; chairman of annual section, A. P. Grout, Winchester, Ill.; secretary of annual section, Dr. C. B. Davenport, Cold Spring Harbor, N. Y.; chairman of plant section, H. J. Webber, Cornell University; secretary of plant section, Professor N. E. Hansen, Brookings, S. D.

Many valuable papers were read which will appear in Volume 4 of the association.

The American Carnation Society

Continuation of Proceedings
of Washington Convention.

Points on Carnation Breeding in America.

Read by C. Willis Ward, Queens, N. Y., before joint meeting of American Carnation Society and American Breeders' Association at Washington, D. C., Thursday, January 30, 1908.

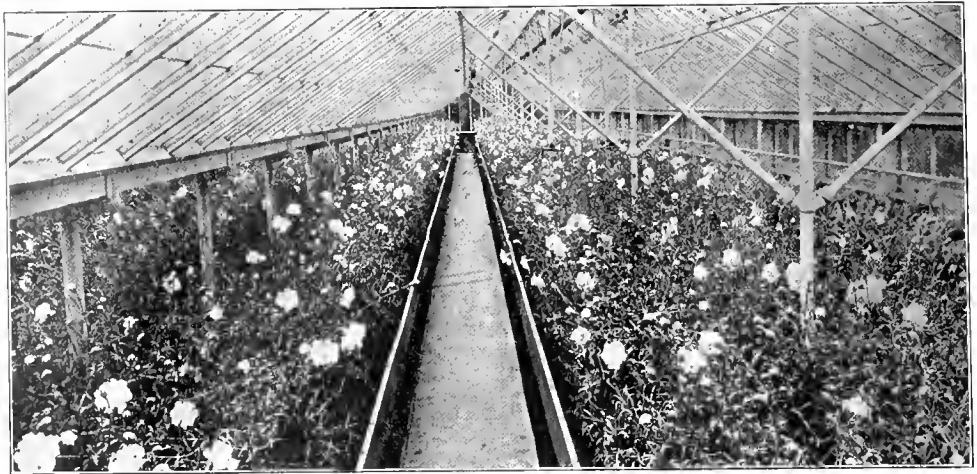
Though I have devoted a considerable time to the breeding of carnations and to the study of them during the past fourteen years, in view of the complexity of the subject and my lack of scientific knowledge, I feel somewhat diffident in placing my views before a conference composed of the most advanced scientific talent of the world. I shall not attempt to enter into a scientific discussion of the subject, but will endeavor to state in plain language what seems to me to have been thus far accomplished.

As most florists know, the original carnation, which has been known in history for several centuries before the Christian era, was a five-petaled single bloom about one inch in diameter and of a pinkish-mauve color. It was distributed in its wild state over the whole southern half of the temperate zone in Europe, but was known more particularly to historians as inhabiting France and Northern Italy. It was found in abundance in Normandy, whence it is generally believed to have been introduced into Great Britain about the time of the Norman Conquest. Even so recently as 1874 it was found in a wild state covering the Castle of Pallaise, in which William the Conqueror was born. It was described by Theophrastus as early as 300 B. C., and has been frequently mentioned in history since that date.

The carnation of to-day, the subject upon which I am working, is the product of several centuries of hybridization and culture. It is an open pollinated species, and mother plants can be chosen from among hybrids, as well as by inbreeding upon the same plant or upon plants of the same variety. A variety once produced from seed is easily perpetuated for a certain period by propagation from cuttings which are easily rooted and usually secured in abundance. Improvements in varieties may be made by bud selection, and new varieties are sometimes secured by bud variation (sports), as well as from seed variation and by hybridization.

Raising from Seed.

In raising varieties from hybridized seed very few improvements are produced, the proportion being about one good variety for every thousand hybrids grown, and probably as little as one decided advance in each five or ten thousand hybrids grown; and unless some law is



White Enchantress.

Enchantress

Carnations at Department of Agriculture, Washington, D. C.

discovered whereby we can forecast more surely than we now can what certain specified hybrid seed will produce, it would seem as if even this low proportion of valuable new varieties would decrease rather than increase in view of the higher standard which is being demanded from year to year.

Up to the present time I have been pursuing my studies in breeding upon the single subject of color alone, basing my work upon the theory that any laws developed in color would hold good when applied to the development of other qualities and this hypothesis I still believe to be correct.

The tools used are very simple, consisting only of a pair of delicate tweezers and a microscopic magnifying glass. I used to employ a fine camel's-hair brush for transferring the pollen, but eventually abandoned it, as I found the use of the tweezers less difficult, and speedier work could be done than with the brushes.

In hybridizing the carnation the first step is to remove all the anthers from the mother flower before they develop, and to watch the pistil until it is in a proper receptive condition. The anthers of the selected male parent are watched until just bursting, and the pollen is in the condition of a dry powder. The anther is then removed by means of the tweezers, and the pistil of the mother flower is fertilized by lightly touching it along its entire length with the pollen-bearing anther. Conception generally takes place within twenty-four hours after this operation provided the conditions are favorable.

Breeding by Color.

In order to pursue my color studies with reasonable method I have divided the work into the following sections:

1. Fancy section, comprising all varieties peculiarly marked, of various colors.
2. Purple and blue section, comprising all purple flowers and any which may show a tendency toward blue in color.
3. Crimson and maroon section, comprising all shades of crimson, maroon or scarlet-maroon.

4. Scarlet section, comprising all shades of red and scarlet.

5. Light pink section, including all shades of salmon, flesh or daybreak tints.

6. Dark pink section, including all rose, cherry and deep pink tones.

7. White section.

8. Yellow variegated section, including all varieties having a yellow ground with scarlet, crimson or pink markings. I have not as yet been able to establish a pure yellow section, for even though the seedling plant may give pure yellow flowers for a time, as soon as propagation is carried on to any extent, more or less variegation appears.

9. White-variegated section, comprising all varieties with white grounds marked with various colors.

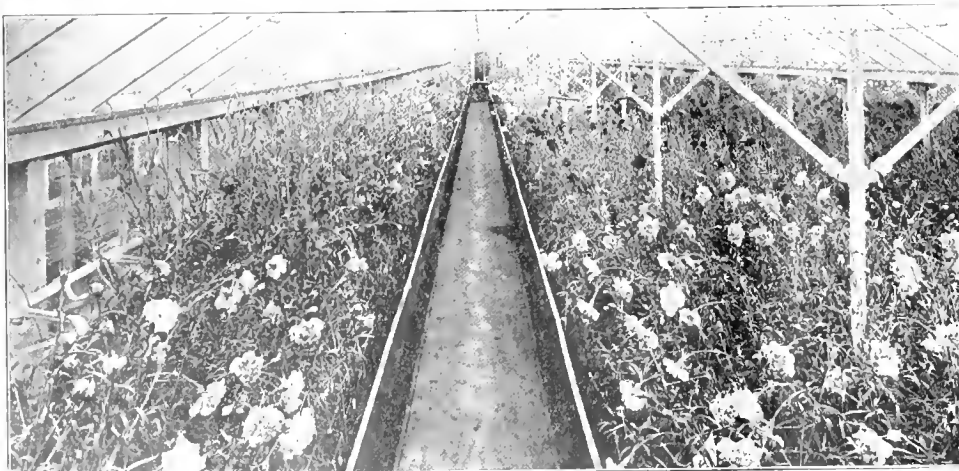
10. Pink-variegated section, comprising all varieties having a pink ground of any shade with markings in deeper colors.

In the purple and blue section I have not as yet succeeded in producing anything that might be termed a blue; for, although we have had several varieties showing a distinct blue shade, there has invariably been enough pink in it to convert the tone into a purple or a mauve. The crimson, dark and light pink, scarlet, and white sections have been fairly well fixed; but the yellow, white and pink variegated, and blue sections will be very difficult to fix, as they are essentially mosaics, and there is a constant tendency toward variation in all their progeny.

To Arrive at Pedigrees.

In order to render the study of pedigrees easier, I have devised a system of "bench cards" which are used as labels tied to each variety under experiment, and which at the end of the season are filed away in a card index, thus preserving all of the original records made in my work. I find this system exceptionally useful, as it enables one to determine at a glance the pedigree of any variety when working upon it. My object has been to study out some system whereby the color tones might be purified, and rendered more brilliant or delicate and more pleasing to the eye; and while I have paid some considerable attention to size of flower, freedom of bloom, integrity of calyx, length and strength of stem, and fragrance, the purity of the color has been my first consideration.

In order to develop more brilliant shades, I have, as a rule, confined my crosses to plants both bearing flowers of the color which I desire to improve—that is to say, crimsons were crossed with crimsons, light pinks with light pinks, dark pinks with dark pinks, whites with whites, and so on; and the result seems to indicate the following hypothesis, viz., that the percentage of color contained in the parentage for several generations back controls to a very large extent the color of the progeny. I do not, of course, mean that by using parents on both sides that have practically a scarlet pedigree for several generations back all scarlets will be invariably produced, but that where such parents are used, the chances of securing the improved scarlet color desired are greatly increased. True, the progeny of such parentage frequently show shades varying from red or scarlet, such as pinks, maroons, purples, and even white and yellow grounds with more or less variegation of all of the colors mentioned. Again, a cross between a white variety, having practically a white pedigree for several generations, frequently produces scarlet flowers; but, as a rule, such scarlets are not as brilliant or persistent as those produced from plants having mainly scarlet pedi-



Seedlings of 1907.

Helen M. Gould.

Carnations at Department of Agriculture, Washington, D. C.

gress. One of the best ways of proving this hypothesis is to take two scarlet parents the pedigrees of which are mainly white. By crossing these, very few scarlets will be produced—sometimes none at all—but a large percentage of the progeny will frequently be pure white, or white grounds marked with scarlet or various shades of pink. I have sometimes thought that by taking a scarlet variety of comparatively pure scarlet pedigree and crossing it with a white variety the pedigree of which is largely scarlet, more clear and persistent scarlet tones are produced than where the pure scarlet pedigrees are used. For I have often found that with pure scarlet pedigrees there is a tendency for the color, even though it be very brilliant, to blacken, or turn a slaty shade when exposed to bright sunshine. While I have not been able to prove to my satisfaction that this hypothesis is right, there still seems to be evidence enough to warrant the assertion that if you desire free-blooming habits use parents having early free-blooming habits. The same should hold good if you desire to produce varieties with extra large blooms, or perfect calyx, or any other peculiarity in habit or form of flower; it also seems to hold good in regard to fragrance. Again, the early-blooming varieties usually have small to medium-sized blooms, and the very large flowering varieties are generally late and inclined to be shy bloomers. This can to some extent be overcome by crossing large flowering late blooming varieties with the early free blooming ones which have the largest blossoms. This, if followed up, will in the end produce large-flowered early-blooming varieties. Working on these lines, I have already succeeded in producing Alma Ward, which under our intensive culture gives flowers ranging from 2½ to a little over 4 inches in diameter on stems from 2 to 3 feet in length, according to the season; and these flowers are produced in sufficient abundance to make the variety very profitable commercially. It is also a fairly early bloomer, coming into flower by October 1. This variety was obtained by crossing Prosperity, a large flowered, not very free variety, with a white seedling having a very large flower and long stems, and quite a free bloomer.

Peter Fisher, the raiser of The Lawson and Eucharis, two of the most satisfactory of our American commercial varieties, secured his strain from crosses between Daybreak and a sport of Tidal Wave, two quite large flowered very free blooming as well as early varieties. In The Lawson a curious blending of the qualities of both parents may be observed. Daybreak is a long-stemmed variety, Tidal Wave usually has quite short stems in the early part of the season, but as the season advances they become as long as those of the parent Daybreak. Double flowers may be produced by crossing single blooms with pollen from very double ones, and the more double the pollen parent is, the greater seems to be the proportion of double flowering seedlings produced.

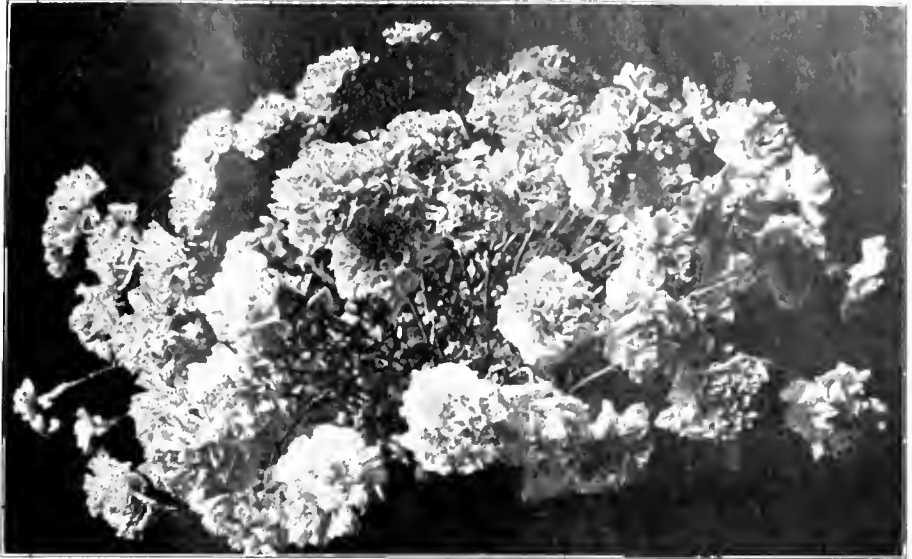
Studies of Color Characteristics.

Studies of color characteristics during the past 12 years seem to have determined that the male parent does not exercise any paramount or dominant influence, but that either male or female or both may determine the dominant characteristics of the progeny.

In the case of seedlings used from other hybridizers, I am not able to give the color parentage, but expect if we had such color parentage it would not tend to change the results. My conclusions from these studies have led me to believe that it is not either parent that exercises dominant influence upon the hybrid, but there may be several elements which tend to control the characteristics in the hybrid. As for instance, the total percentage of the characteristics of a number of ancestors which may be illustrated as follows: Supposing that crossing a dark pink upon a white, sixty per cent. of the ancestry on both sides was dark pink, the chances to secure a dark pink in the hybrid would be largely in proportion to the percentage of dark pink existing in the ancestry on both sides. On the other hand, supposing that we crossed a white with a white which had a large percentage of dark pink in the ancestry, and, as the result of said cross, we produced a large percentage of whites. This might tend to show that the condition of the chromosomes in the cells exercised the paramount influence in determining the characteristics produced in the hybrid. Now, it might be possible to take different individuals, the result of the same cross, all of the individuals being white, the crossing two individuals might produce a large percentage of whites, while crossing two other individuals, all being white, might produce a large proportion of pink. This would again tend to prove the theory that the condition of the chromosomes in the cells of the individuals might exercise the paramount influence.

Crosses Between Same Individuals.

There is another peculiar thing that seems to be the case in regard to crosses between the same individuals, and that is that crosses between such individuals made at different periods of the year when the plants were growing under somewhat changed conditions produce different results. This might lead us to the theory that the condition of the individuals at the time that impregnation takes place may exercise paramount influence



Carnation Variegated Lawson.

As the Flowers appeared on Second Day of Exhibition of American Carnation Society, at Washington, D. C. Exhibitor, John Reimels, Woodhaven, N. Y.

over the characteristics of the progeny. This theory might seem to be proven by the results obtained in the production of mankind where a dozen children the result of the union of two individuals and born at somewhat widely different periods present widely different characteristics, both mental and physical as well as in appearance.

My impression is that it will take several years' study in order to determine the question. Possibly it may be necessary in continuing my experiments to segregate the female blooms in apartments by themselves so as to prevent the chance of a foreign grain of pollen alighting on the pistil, as this might explain some of the apparent idiosyncrasies in the results obtained in my work.

Crossing Different Colors.

The summary of the results of crossing different colors may prove very interesting. For instance, where crimson was crossed with crimson the results produced twelve crimson and five scarlets; where dark pink was crossed with dark pink, thirty-seven dark pinks were produced; where scarlet was crossed with scarlet, ten scarlets were produced; where white was crossed with crimson, five whites were produced and only two scarlets; where white was crossed with white, thirty-four whites were produced, and only one white variegated with pink, there being no solid colors. Where white was crossed with crimson, five whites were produced and two scarlets, the balance being divided between dark pink, flesh pink and crimson, but where white was crossed with dark pink, the result was three pure whites.

There is another element in making up these studies which may interfere with their value in deciding the question of paramount influence and that is that only varieties that possessed a number of representative characteristics were preserved and records kept of them.

A great mass of stuff was thrown away, and in making these crosses we were constantly selecting plants possessing all the characteristics desired. I am inclined to think that the fact that we threw away a lot of useless stuff will not change the result. For instance, taking the result of crossing white with white, there were saved for observation from these crosses thirty-four whites and one white variegated with pink, as all the white parents of both sides were selected not only for their good color, but also for size and form of flower, integrity of calyx, healthy constitution, stiffness of stem, vigor of growth, and also for freedom of bloom. The fact that thirty-four whites were selected for trial as against only one white variegated with pink and that the results of these white crosses did not produce anything in solid colors that were worthy of selection for trial would seem to indicate that whatever laws exist in regard to the influence of the parents upon the progeny would finally prove to be applicable not only to color but to all other characteristics.

Results of Pure Crosses.

Now, when we come to the consideration of pure crosses which we might specify as crosses between males and females of the same color, we find the following remarkable results: A cross of white upon white produced thirty-four whites against one other color; a cross of light pink upon dark pink produced six light pinks as against four of other colors; a large number of crosses of dark pink upon dark pink produced thirty-seven dark pinks against twenty-four of other colors; a cross of scarlet upon scarlet produced ten scarlets. All of which would tend to indicate that by using two individuals possessing the same characteristics, the chances to reproduce a large proportion of these same characteristics are very much enhanced. This might be shown very nicely in the cross of crimson upon scarlet, which produced twelve crimsons and five scarlets



House of Scarlet Carnation Andrew Carnegie.

Growers, Chicago Carnation Co., Joliet.

Breeding Carnations.

At the Thursday afternoon (January 30, 1908) joint session of the American Carnation Society and the American Breeders' Association, Professor J. B. Norton of Cornell University, Ithaca, N. Y., gave a very interesting talk on his experiments in the breeding of carnations. Preliminary to his remarks on the specific feature of his address, Professor Norton gave the members a short exposition of Mendel's law as applied to plant breeding. He said there are certain characters in plants and animals which occur in pairs—that is, we may have in an animal the presence of long hair as opposed to the presence of short hair or the absence of long hair; we may have the presence of color as opposed to the absence of color. When we make a hybrid between plants we do not get offspring where the two absent or present characters remain distinct. In the first generation the cross may give intermediates, but the progeny when again crossed with the original parents does better in that respect. In plants we have so many characters to be considered that sometimes breeders are apt to get confused. There are three types possible with one pair of characters, and there are nine possible types when another pair of characters are introduced, so that each time an additional pair of characters are introduced, the ratio of possibilities is multiplied by three. (This was demonstrated by the speaker by the use of playing cards.)

Mr. Norton stated that his experiments in carnation breeding had convinced him that the results very nearly balance up to what might be expected in Mendelism when one pair of characters are employed. The result of crosses between several standard varieties had in all cases shown no uniformity of type in regard to doubling, singles appearing in every series. The percentage of singles appeared to be rather constant for the different lots, the general average for the whole lot being about 23 per cent. of singles to 77 per cent. of doubles. The doubles varied in the amount of doubling, but could be roughly divided into two groups, standards and "burst-ers" or full doubles, the latter making up about one-fourth of all the seedlings. These percentages agreed so closely with the second generation results of a Mendelian character that the professor had ventured the opinion that the standard greenhouse carnation of this country was the unfixed hybrid of a cross between a single and a full double and that 100 per cent. of standard doubles could be raised from a cross between a single and a full double carnation.

The ordinary theories of heredity based on the idea up to the time that Mendelism came out would disagree with his idea. DeVries, in speaking of mutations, seemed to take the stand that the carnation is an ever-sporting variety, throwing all the time a certain percentage of singles. DeVries had no actual statistics to base his idea on, but simply took the word of one of his carnation growers who had always got a certain percentage of singles in his work. In Professor Norton's own experience, when singles were pollinated with parents that were very full doubles, the most wonderful results occurred. Something like 300 seedlings were grown from fifteen different seed pods. Out of the three hundred only two came single, and there were but three or four that could be classed in the full double. The very fact of using a single as a seed parent on a full double and getting practically 100 per cent. of doubles would go a very long way to convince the carnation observer that here was a straight case of Mendelism. When growing singles crossed with singles nothing but single varieties would result. Another cross was made by using the hybrids, which had thrown 50



Carnation Winona

On Second Day of A. C. S. Exhibition

Exhibitors F. Dorner & Sons Co., Lafayette, Ind.

as against three of other colors. In this case it is probable that there was considerable crimson blood in the ancestry of the female parent.

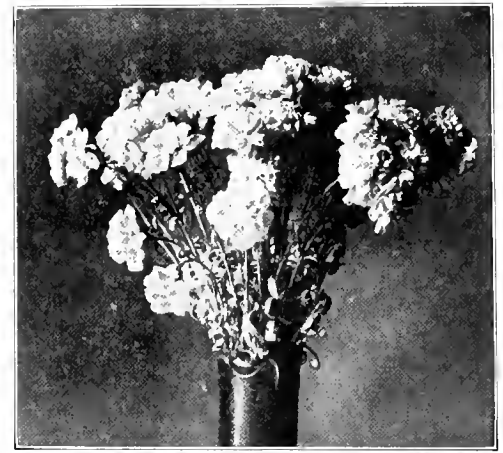
The cross of crimson on crimson need not be taken very seriously, as it is the result of but a very small number of seeds, and I am inclined to think that there was considerable scarlet blood in either one or both of the crimson parents.

Of course when we make mosaic crosses, such as white upon scarlet, pink, crimson, and other colors, we must expect a breaking up of colors in the progeny, and where we cross two of the same color we must expect more or less breaking up of colors in the progeny, especially where the immediate ancestry contains parents of widely varying colors.

Referring to examples of individual crosses, suppose we take cross 2313-07, a scarlet upon white. It will be noted that in these notes the pollen parent is mentioned first, as some other hybridizers mention the female parent first. Now, the color parentage running back for some ten or twelve years, shows that on the male side there were six dark pink, six yellow variegated, five crimsons, three whites, two scarlets, one light pink and one white variegated. This pedigree is made up without reference to the nearness of any of the individuals of any particular color being particularly near to the seed and pollen parents, but it simply indicates that among the male parentage of both sides six dark pinks occur, etc., while on the female sides five dark pinks, three crimsons, one scarlet, four whites, five white variegated and two white flaked occur.

Assuming that dark pink and crimson, purple and scarlet would tend to produce dark pink or scarlet, we should naturally anticipate a large number of dark pinks or scarlets, whereas we get only one dark pink, one scarlet and one white, thus indicating that other influences than the percentage of the same characteristics in either or both of the ancestors may determine the characteristics in the hybrid.

The results of these experiments and the study thereof have led to the conclusion that neither parent exerts predominant influence in determining the characteristics of the progeny, but that said characteristics may be determined from either side of the parentage or may result from modified characteristics of both parents as well as both ancestries.



Carnation White Enchantress

On Second Day of A. C. S. Exhibition

Exhibitors, F. R. Pierson Company, Tarrytown, N. Y.

per cent. of the germ cells single and 50 per cent. of full double, with pure single. This resulted in the full double germ cells uniting with the singles, and the progeny gave 50 per cent. single and 50 per cent. of the new type.

With regard to color, in working with a number of crosses between white and white, white with light pink and white crossed with pink, there were some interesting results. When two whites were crossed together most of the seedlings came white. There was one exception to this, however, with White Lawson, which is a sport from the Pink Lawson, and gave to a certain extent the progeny one would expect from the Pink Lawson, although in a few seedlings the percentage of white was much greater than when Pink Lawson was crossed with itself.

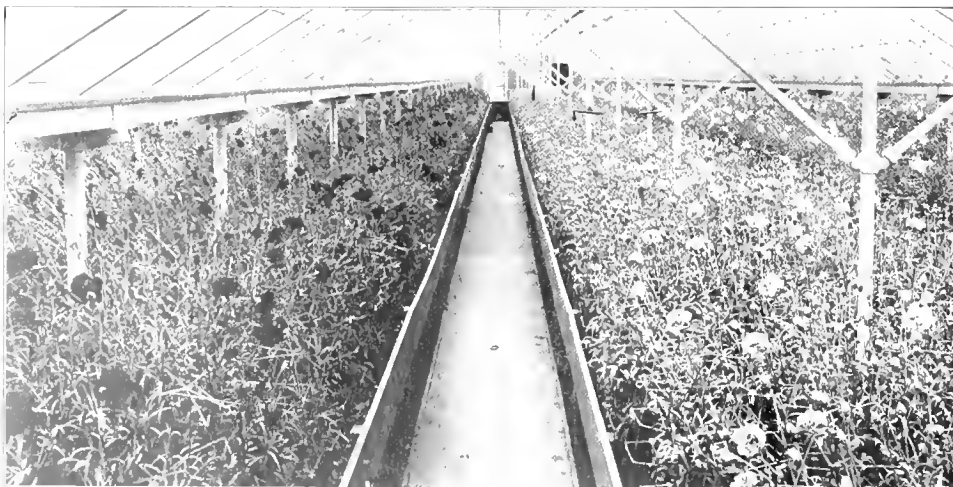
A light pink cross with light pink gave nothing but light pink and white, and yet from a cross of white with light pink he got a large number of other things—pink and sometimes scarlet. One of such crosses resulted in five scarlets, seven pinks and nine white, so that the light pink character was entirely lost. Light pink crossed with light pink gave a whole group of colors, and when such is the case, the conclusion may be arrived at that there is something in the carnation that resembles the color of stocks and sweet peas, where Bateson had found some very peculiar results. The latent germ character when bred together with the germ character of another variety produces something that is entirely different from either of them. In crossing sweet peas of the Emily Henderson type, Bateson got a whole group of purple in the first generation; in the second generation it split up so that he got a large number of colors—some red and some white. Some of the purple bred true, some of the red bred true and practically all the white came true when self-fertilized. To get a fixed strain in stocks or sweet peas, it had been necessary to carry on the work for an extended period.

Sometimes when working with scarlets the professor had got practically all scarlets. Pinks when crossed with nothing else result in several different colors, but last year he had a pink cross with scarlet that gave all pink; the parent in this case was a single variety. Pink sometimes shows itself to be dominant over scarlet, which is apparently a very strong pre-potent color.

Professor Norton had an idea that the number of cotyledons might have something to do with the relation of single and double flowers, but an experiment had shown that some seedlings with extra leaves had given just the same proportion of doubles and singles that the ordinary ones did.

A tabulation of all the crosses made in the three years shows that when a group is self-fertilized, or when pink is crossed with pink and white crossed with white, foreign colors in the seedlings are considerably fewer than when two different colors are crossed together. For instance: In crossing light pink and white, out of 175 seedlings grown there were nine light pink, eight white ground and all the rest white; but when white was crossed with light pink, there were five scarlets, two dark pinks, nineteen pinks, thirteen light pinks, forty white and four variegated, and the splitting up runs in that way right along. Enchantress when crossed with Enchantress usually throws a pink Enchantress.

The whole result in breeding carnations for color would lead to the conclusion that as yet there is no definite understanding as to these relations, and it will take organized work by a number of growers to reach a definite conclusion. In doing this work it would be necessary to take a large number of seeds where the flowers have been fertilized by their own pollen. In a commercial way, of course, this is not to be recommended, because it has a tendency to weaken the vitality of the seedlings. It would be of value to know



Beacon

Winsor

Carnations at Department of Agriculture, Washington, D. C.

what these self-fertilized varieties would produce. For instance, we want to know what the progeny of *Enchantress* would give by itself when mixed with nothing else, and what there is in *Lawson* similarly treated, then it could be told to a certain extent what these would produce when crossed together. The question of getting pure color types depends largely on knowing the pedigrees of the varieties crossed.

In conclusion, Professor Norton said: "Going back to my first proposition of Mendelism, I cannot say that this relation between singles and doubles would be of any great value to the average grower, excepting that it would make it possible for him to save and get good plants from a valuable single that otherwise he would throw away. It gives him the assurance that by this method of crossing he can get 100 per cent. of standard types from a good single. I want to suggest to the members of the American Carnation Society the great need of keeping records of the parentage of the standard sorts, so that in working with the progeny of these we will have something to fall back on; so that we can tell the color of the parents and the grandparents. In the published records of the present day the pedigrees are not given beyond two generations. If I could get some of the unpublished records, I would like to get these together so as to obtain what might be called "A Herd Book" of the carnation. The American carnation to-day is purely an American product, and we should have its history traced back to its early importation. Some of the older men who have kept records could give us great assistance in getting this material together; we would then have the pedigree record of at least one American production, and it would be much easier to keep it going from now on." (Applause.)

The Bud-Rot of Carnations.

By E. D. HEALD, Agricultural Experiment Station of Nebraska.

During the past few years a troublesome and destructive disease of carnations has been prevalent in a number of the greenhouses of the State. The disease affects the buds in various stages of maturity and produces a rotting of the petals and other lower parts, at least the parts enclosed by the calyx, thus interfering with the normal opening of the flower. The disease has therefore been termed the "bud-rot" of the carnation.

Historical.

The bud-rot of carnations was first reported in 1905 by Dr. Wolcott from specimens received from a greenhouse at Beatrice, Nebraska. He attributed the trouble entirely to a mite which was constantly present in the affected buds. The mite was briefly described as belonging to a new and hitherto undescribed species and possibly a new genus. At this time the fungus origin of the trouble was not suspected. Later in the same year the same trouble was reported to the writer and an investigation was begun. The first examination showed the mites, and in addition the rotting petals were found to be pervaded by the mycelium of a fungus. An examination of the rotting buds led to the belief that the mites were only secondary, and that the fungus was the primary factor in causing the disease. *Fusarium* spores were found upon the rotting petals and it was supposed that the trouble was due to this fungus. It was found later that the trouble was due to a different fungus, and that the *Fusarium* was a contamination which developed during the transit of the specimens.

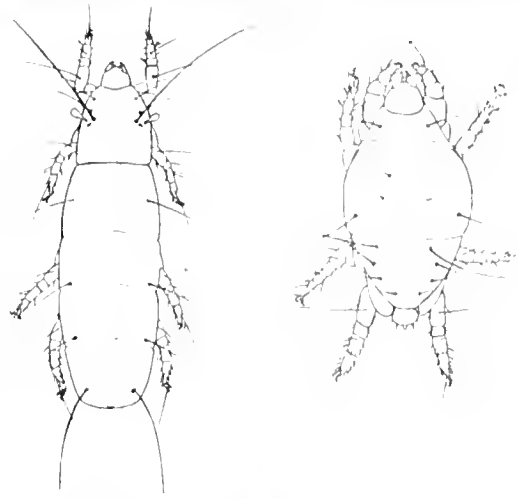
The bud-rot has been found in greenhouses in Lincoln, Beatrice and Omaha, Nebraska, and is known to occur in the State of New York. The fungus which is the cause of the trouble has been described by Peck and he has examined our cultures and reports as follows:

"I consider the specimens referable to *Sporotrichum anthophilum* Pk. They show the characters nicely."

On January 9 of last year a letter was received from Professor H. E. Hodgkiss, Geneva, N. Y., asking for information in regard to the bud-rot which was reported in Nebraska. He stated that the accompanying mite or a near relative had been sent to him. The fungus present with the mite was determined by Professor F. C. Stewart as *Sporotrichum anthophilum* Peck. Also, April 30, in compliance with the request of Professor Hodgkiss, specimens of carnation buds affected with the disease under consideration were sent to him by the writer for comparison with the New York specimens. Not until August 1 was the information received that the Nebraska and New York mites appear to be identical.

Symptoms.

The bud-rot of carnations produces effects which show externally, the character depending upon the extent and severity of the infection. The most striking external symptom is the failure of the affected buds to expand into perfect flowers. Carnation benches in which the bud-rot is prevalent generally show a considerable number of flowers that will never open completely. Sometimes the affected flowers deviate only slightly from the normal. Flowers which have a split



The Mite Accompanying Bud-Rot of Carnations
From Bulletin 103 Agricultural Experiment Station of Nebraska.

calyx may resemble these superficially in the unfolding of the petals. In buds in which the infection is more severe or begins at an earlier date, the petals become only slightly expanded and the buds die without ever developing into perfect flowers. If such affected flowers are not picked off, the projecting portions of the petals wither and turn brown and the calyx soon dies also, and assumes a brown coloration. In a few cases the buds are apparently infected at a very early stage, for the calyx does not open sufficiently to allow any projection of the petals, but turns brown and dries up.

All affected buds show upon closer examination that all or part of the flower parts included within the calyx are affected with a rot which has caused a brown discoloration and a softening of the tissues. In some cases the spaces between petals show a whitish hyphal growth plainly evident to the eye, while in other cases no hyphae can be detected without a microscopic examination. When affected buds are broken open, oblong watery-looking objects, 1-12 inch or less in length, are found buried in the soft mass of rotting petals or lying between them. These objects are the distended abdomens of minute female mites, which have been found as constant accompaniments of the fungus. In the earlier stages of the rot in natural infections the mites may be quite small and inconspicuous, but in well-developed cases of bud-rot they are so evident that they could not be easily overlooked.

Prophylaxis and Treatment.

The bud-rot can easily be prevented from becoming severe, if it is introduced into a house, by pursuing the proper measures. The most successful growers of carnations have little to fear from this disease, as conditions in the well-regulated houses are unfavorable for

the spread of the disease. Even though the disease is present it will not become general if proper precautions are observed. In order to test this by direct experiment, *Lawson* carnations were obtained from a house where the disease was especially prevalent and then grown for a time under conditions as favorable for the disease as possible, that is, by overwatering and allowing the accumulation of cuttings, rotting buds and other debris. After the disease was well established the watering was made less frequent and a less amount of water was employed, while the benches and surroundings were kept free from decaying organic remains. All affected buds were removed as soon as observed and at once destroyed. By pursuing this method the disease was entirely stamped out. The treatment recommended was followed in one large commercial house with very satisfactory results.

The work which has been carried out up to the present time leads to the conclusion that the disease can be prevented or eradicated if the following measures are carefully heeded:

1. Practice clean culture with the destruction of all refuse that might offer a temporary lodging place for either fungi or mites.
2. Keep the moisture down to the minimum necessary for the healthy growth of the plants.
3. Pick off all affected buds as soon as they appear and destroy by burning. Do not under any conditions throw them down on the benches. The benches should be gone over at least every other day until the disease is thoroughly under control.

Other Carnation Diseases.

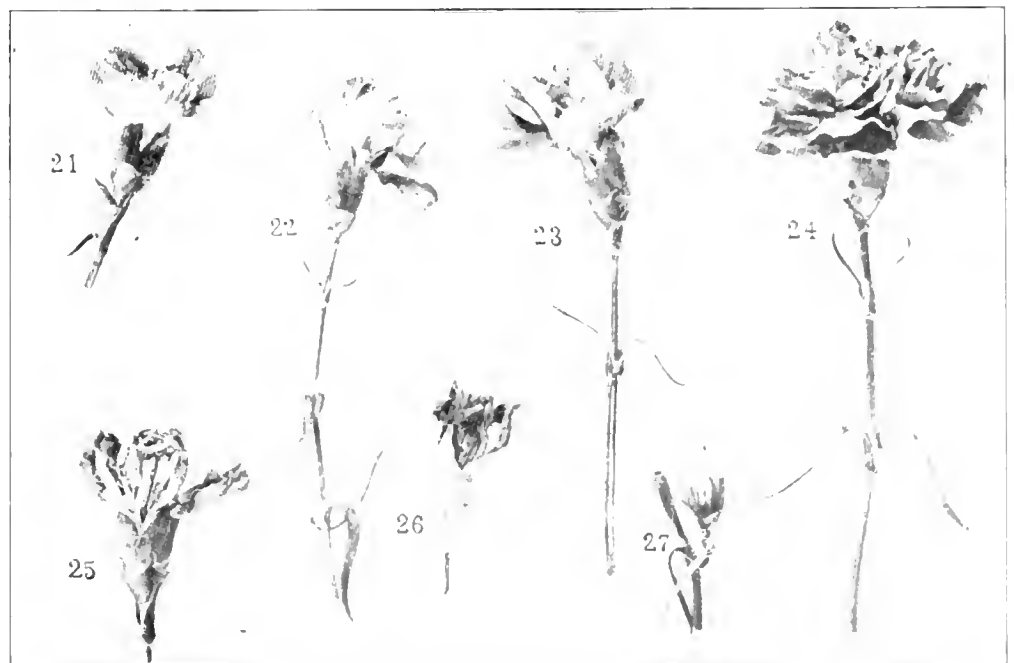
The carnation is attacked by a considerable number of diseases which affect the roots or stems and foliage, but only a few were known to affect the buds or flowers. The diseases are due in the majority of cases to fungi, bacteria playing a very insignificant part. The following are the principal diseases that have been described.

1. **THE STEM ROT.** Two different types of this disease have been studied by Stewart and Sturgis, due to a *Fusarium* and to the sterile fungus *Rhizoctonia*. What is probably the same *Fusarium* disease has been studied by Delacroix and the causal organism determined as *Fusarium dianthi* P. Bill. and Delac. A somewhat similar trouble has been described by Atkinson under the name of "carnation rosette."

2. **BACTERIAL SPOT.** A true bacterial spot disease of the foliage has been described by Woods, while the disease formerly described by Arthur and Bolley as "bacteriosis" has been shown by Woods to be caused by the punctures of aphides and thrips and has been named "stigmose."

3. **ANTHRACNOSE.** Three different writers have described an anthracnose of carnations affecting stems and leaves: Halsted found the disease to be due to *Colletotrichum dianthi*. Atkinson attributed the anthracnose which he described to a species of *Colletotrichum*. The anthracnose which Cooke described as occurring in England was attributed to *Gloeosporium dianthi*. It is quite probable that the causal organism is the same species in all three cases, but it can hardly be considered as proved in the light of present information.

(To be continued.)



Showing How Disease Affects the Flowers

Bud-Rot of Carnations

From Bulletin 103 Agricultural Experiment Station of Nebraska.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLORAL CO., 1708 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. All orders for New England States will receive our most careful attention. We are centrally located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction guaranteed. Established twenty years.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

A Brilliant Wedding Decoration.

One of the most important weddings of the season took place last week, and while a large quantity of flowers and plants were employed in the decorations, the house being one of the largest in the city, the arrangements were characterized by a simple elegance and style, thoroughly in keeping with the magnificence of the surroundings.

The main entrance hall, which is fifty feet high, was decorated with groups of specimen kentias and rhododendrons; these were arranged on all sides of the hall, the palms forming a mass in the background, with the rhododendrons as a continuous border, the plants being placed at an angle to hide the tubs and pots.

The first room to be decorated was the "grand salon"; the dimensions of this room are 60 by 75 feet, and 40 feet high. Four large groups of palms were arranged at equal distances from each other, and about 15 feet in from the corners of the room, each group being surmounted with a specimen kentia, which almost reached to the ceiling. These groups measured about 12 feet across at the base, and were banked on all sides with pink camellias, the beautiful glossy green foliage and

in formal designs, sprays of orange blossoms being mingled with the fern. Orange blossoms were also used in the finger bowls.

The guests' tables, fifty in number, were placed in the various rooms immediately after the ceremony. The decoration of these tables was in accordance with those of the room in which they were placed. Those surrounding the bride's table were done in white lilac and cypripediums; in the large salon all tables were decorated with Killarney roses and lily of the valley, in keeping with the rhododendrons. In the main entrance hall, vases filled with the Japanese double-flowering almond made a most effective combination. As yellow was the predominating color in the room where the ceremony was performed, Azalea mollis, in its varying shades, made an attractive display. D. RAYBUN.

SPANGLED ARTIFICIAL FLOWERS.—Artificial flowers and leaves ornamented with metal spangles are dutiable at the rate of 50 per cent. ad valorem under paragraph 425, tariff act of 1897, relating to "artificial * * * leaves, flowers," etc., and not at 60 per cent. ad valorem under paragraph 498, relating to "articles * * * in part of * * * metal" according to a recent ruling of the United States General Appraisers.

The Tammany Tiger in Flowers.

At a banquet given in honor of "Little Tim" Sullivan by a number of prominent Tammanyites recently in the banquet hall of the Hotel Knickerbocker, several unique ideas were introduced by



The Tammany Tiger in Flowers.

Artist, James Meiklejohn, Floral Manager, Knickerbocker Hotel, New York.

the superb coloring of the flowers making a charming effect. Suspended from the branches of the tall central palms were plants of *Phalaenopsis amabilis* and *P. Schilleriana* in great profusion. At the north end of this room the musicians were seated. They were hidden by a screen formed entirely of white lilac in pots; these were arranged in three tiers, reaching a height of about eight feet.

This room led into another and somewhat smaller one, where the ceremony was performed. A succession of aisle posts connected the two rooms and formed a pathway to the temporary altar. Forty aisle posts were used for this purpose; these were connected by garlands of lily of the valley and strings of asparagus, each post being finished with a large bouquet of lily of the valley and white orchids, the latter hanging in showers to the floor.

At the end of this room an immense arbor of ferns was arranged, with orchids and masses of gardenias. Around the sides of the rooms *Adiantum Farleyense* was banked from the floor to the height of about eight feet, with clusters of *Oncidium splendendum* placed at varying distances.

The mantels, four in number, were also banked with *Adiantum Farleyense* with sprays of *Acaea pubescens* falling over in golden cascades. The *Frie-Dieu* was gracefully hung with garlands of orange blossoms.

The bridal table, at which twenty-four were seated, was tastefully decorated with white orchids combined with orange blossoms and *A. Farleyense*; in the center of the table a gold punch bowl two feet across was filled entirely with *Phalaenopsis amabilis*, only the natural foliage of the plant being used. At either end of the table two large gold vases were placed; these were filled with long sprays of *Phalaenopsis* and *A. Farleyense*. This fern was also employed on the table cloth

James Meiklejohn, floral manager of the hotel. The walls were hung with flags, bunting and Southern smilax, while in the gallery palms and palmetto leaves were used. At one end of the hall, standing on a platform in a miniature jungle, was a life-size Tammany tiger made of daffodils and carnations; and at the other end of the hall, directly behind the guests' table, was an illuminated model of the City Hall. The table decorations were Victory carnations and *Asparagus Sprengeri*.

The Brazilian Melon Fruit.

Editor Florists' Exchange:

In regard to the Brazilian melon fruit mentioned on page 102 I note what you say, and wish to thank both you and Newton J. Peck for the valued reply. The description as given does not entirely correspond with the plant. I had five plants about three inches high sent to me last April; took as good care of them as I could until now they are three feet high. The foliage is twelve inches long and nine inches wide, and very pubescent. The main stem has a color and odor similar to sumach. The plants have never flowered. The description I send herewith states the plant has a bushy habit, but mine is inclined to have but one straight shoot. Perhaps, if I knew just what treatment to give it, I would be able to push it along for satisfactory results.

Another important item is, whether the plant is true to name. I will keep you posted on how I succeed and give Mr. Peck the first ripe fruit I have, also give him a plant early in the Spring when the season is warmer to ship, if he cares to have it.

New York.

P. B.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

MANCHESTER, MASS.—The North Shore Horticultural Society held its annual dinner on Wednesday, January 29, and it was unquestionably a pronounced success.

THE NEW CARNATION

Afterglow

Winner of the following prizes at the Washington Exhibition of the A. C. S. held last week: The A. C. S. Silver Medal, The S. A. F. Bronze Medal, for best 100 blooms of Lawson shade of pink.

SPOKANE, WASH.—On January 20, 1908, fire destroyed Ligerwood greenhouse, owned by George T. Crane, East 326 Dalton avenue. Loss, \$9,000, \$2,000 insurance. Origin a mystery.

J. L. DILLON

BLOOMSBURG, PA.

The Verbena King

Our Specialties

Verbenas, Roses and Carnations

Send for Circulars

FRINGED Double Petunias

Rooted cuttings by mail..... Per 100 LANTANAS, 4 in. dwarf, rooted cuttings..... 1.25

GEO. J. HUGHES, Berlin, N. J.

ASPARAGUS Plumosus, 2 in., \$2.25 per 100; \$20.00 per 1000.

STOCKS, double white, 5 in., 10c.

REX BEGONIA, separate varieties, 2 in., strong, \$3.00 per 100.

ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100.

GERANIUMS, S. A. Nutt, Heteranthus, Gloire de France, strong plants, 2 in., \$2.00 per 100; \$19.00 per 1000.

ARAUCARIA, 20 in., four tiers, \$1.00.

FERNS, Scottii, 4 in., 10c; 5 in., 15c.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

Will exchange for Geraniums, R. C., Carnations, R. C. Write us.

J. H. DANN & SON WESTFIELD, N. Y.

VIOLETS VIOLETS Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100

Wm. J. CHINNICK, Trenton, N. J.

CARNATIONS

R. G. Queen Louise and Harlowarden, \$1.50 per 100, \$10.00 per 1000. SALVIA, R. C. bonfire, 60c. per 100, \$5.00 per 1000. GERANIUMS, Grant and Nutt, 2-in. pots, \$2.00 per 100, \$15.00 per 1000. Cash with order please.

JACOB KOL, East Nutley, N. J.

Selected Rooted Carnation Cuttings

Table with columns for color (WHITE, PINK, RED, CRIMSON) and varieties (White Enchantress, White Perfection, The Queen, Winsor, Rose Pink Enchantress, etc.) with prices per 100 and 1000.

All cuttings guaranteed clean and true to name.

B. F. BARR & CO., Keystone Nurseries, Lancaster, Pa.

ROOTED CUTTINGS OF THE PUREST WHITE ENCHANTRESS

We believe we have the largest and best stock in the country. The reason for this statement is that we were first in the market with this grand pure White. Orders now being booked for January and later delivery at \$6.00 per 100, \$50.00 per 1000.

MICHIGAN CUT FLOWER EXCHANGE, Inc. 38-40 Broadway, DETROIT, MICH.

CARNATIONS

Winsor, \$6.00 per 100; \$50.00 per 1000. White Perfection and Robert Craig, \$4.00 per 100; \$35.00 per 1000. Harry Fenn, Octaroon, Lawson and Patten, \$3.00 per 100; \$25.00 per 1000. Maceo, Fair Maid and Boston Market, \$2.00 per 100; \$15.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

ANNOUNCEMENT

Our new seedling carnation TOREADOR will not be disseminated until January, 1909. For further particulars address

THE H. WEBER & SONS CO., OAKLAND, MD.

WHITE ENCHANTRESS ROOTED CUTTINGS

\$6.00 per 100; \$50.00 per 1000. E. SCHRADER, NEW SPRINGVILLE, Richmond Borough, N. Y.

CARNATIONS

Table with columns for varieties (Winsor, White Enchantress, Aristocrat, Beacon) and prices per 100 and 1000.

December 15th or later delivery. JENSEN & DEKEMA, 674 W. Foster Av., CHICAGO, ILL.

UNROOTED Carnation Cuttings

Table with columns for varieties (WINSOR, PINK IMPERIAL, VICTORY, WHITE PERFECTION, ENCHANTRESS) and prices per 100 and 1000.

Can fill any size order same day as received.

ROOTED

Table with columns for varieties (WINSOR, PINK IMPERIAL, VICTORY, WHITE PERFECTION, ENCHANTRESS) and prices per 100 and 1000.

An unusually fine lot of SCOTT'S FERNS in 7-in. pots, \$6.00 per dozen.

LARCHMONT NURSERIES, Larchmont, N. Y.

NEPTUNE

The only yellow carnation to date that is worth growing. Equal to Enchantress in every respect, and never bursts. Come and see it growing. Rooted Cuttings, \$10.00 per 100.

Also White Enchantress, Winsor, \$6.00 per 100; Enchantress, Variegated Lawson, White Lawson, Red Lawson, \$2.50 per 100. Harlowarden, Mrs. Lawson, Fair Maid, Mrs. Patten, \$2.00 per 100. All the above unrooted at half price.

Paul Thomson, West Hartford, Conn.

Table with columns for varieties (White Enchantress, Winsor, Beacon, Rose Pink Enchantress, White Perfection, Enchantress, Lady Bountiful) and prices per 100 and 1000.

White Fair Maid

ROOTED CUTTINGS \$10.00 per hundred; \$75.00 per thousand WELCH BROS., 226 Devonshire St., BOSTON, MASS.

JOHN E. HAINES BETHLEHEM, PA.

Is the place to order rooted cuttings of the following varieties for 1908: John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress light pink \$6.00 per 100 \$50.00 per 1000

Place orders early for December delivery.

MONEY BACK if cuttings are not satisfactory. Victory, \$2.25 per 100. White Perfection, \$2.00. Mrs. Patten, \$2.00. Rose Pink Enchantress, \$2.50. Lawson, \$1.50. Boston Market, \$1.50. Enchantress, \$1.75. Cash with order.

W. A. ROWLANDS, 53 FRANKLIN SQUARE, UTICA, N. Y.

ROOTED Carnation Cuttings

Table with columns for color (PINK) and varieties (ARISTOCRAT, WINSOR, ROSE PK. ENCHANTRESS, ENCHANTRESS, LAWSON, JOOST) with prices per 100 and 1000.

WHITE

Table with columns for varieties (WHITE PERFECTION, LAWSON, QUEEN, BOSTON MARKET, LOUISE, LT. PEARY, BOUNTIFUL) with prices per 100 and 1000.

RED

Table with columns for varieties (BEACON, VICTORY, ROBERT CRAIG, FLAMINGO) with prices per 100 and 1000.

MISCELLANEOUS

Table with columns for varieties (PATTEN, HARRY FENN, HARLOWARDEN) with prices per 100 and 1000.

Stock guaranteed. Prompt deliveries.

THE LEO NIESSEN CO. Wholesale Florists, 1209 Arch St., Philadelphia, Pa.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.

Enchantress, White Perfection, White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000.

Queen, Boston Market, Pink Lawson, H. Goddard, \$1.50 per 100; \$15.00 per 1000. Victory, \$2.50 per 100; \$22.50 per 1000. Craig, \$2.50 per 100; \$20.00 per 1000. Cardinal, \$2.00 per 100; \$17.50 per 1000. Harlowarden, \$1.50 per 100; \$15 per 1000.

Cash with order or satisfactory references. SMITH & GANNETT, Geneva, N. Y.

CARNATION CUTTINGS

Table with columns for varieties (Winsor, White Enchantress, Robert Craig, Victory, Enchantress, Mrs. Lawson) and prices per 100 and 1000.

WHITE BROS., GASPOR, N. Y.

THE FLORISTS' EXCHANGE

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cents per line, count 12 lines agate to the inch.

(If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.)

Copies must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care of Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—As foreman by married man, no children. Up-to-date and thoroughly experienced. Address, R. R., care The Florists' Exchange.

SITUATION WANTED—By Swede as rose and carnation grower, good propagator, 23 years' experience, best of references. Address, J., care The Florists' Exchange.

SITUATION WANTED—An experienced steady rose grower wants section on up-to-date place, \$15.00 weekly. Address, Marshall & Company, 146 West 23d street, New York City.

SITUATION WANTED—By a first-class store man, expert designer and decorator, eight years' experience and used to high-class trade; aged 27. Address, W. G., care The Florists' Exchange.

SITUATION WANTED—As head gardener on private place; experienced in forcing and outside. Married, no children; very best of references. E. Schultz, 451 Ocean Avenue, Jersey City, N. J.

SITUATION WANTED—As assistant gardener, experienced in roses, carnations and greenhouse plants, good references. Nationality, English; aged 24 years. Address, R., care The Florists' Exchange.

SITUATION WANTED—By gardener who understands vines, chrysanthemums, carnations, roses, violets, kitchen, flower garden. Single, good references. Address, I. J., Woster Lane Greenhouses, Waltham, Mass.

SITUATION WANTED—By young man, 19 years of age, Swede, two years' experience in general greenhouse work, desires position in commercial place. Quick and willing, best of references. Address, C. B., care The Florists' Exchange.

SITUATION WANTED—Young man, German, florist, 25 years of age, wants position in general greenhouse work, 10 years' experience. All flower, care Ethelred, 1237 Avenue A, between 64th and 67th Streets, New York City.

SITUATION WANTED—By experienced grower of roses, carnations, chrysanthemums, Easter and general greenhouse stock, able to take charge. German, 39, married. Address, Florist 391 Lake Avenue, Greenwich, Conn.

SITUATION WANTED—By head gardener, thoroughly experienced in landscape work, shrubs, flowers, vegetables and greenhouse work. Able to handle a first-class private place. American nationality, strictly sober, best of references. Address, J. B. C., care The Florists' Exchange.

SITUATION WANTED—By single man on commercial or private place, aged 27, first-class grower of roses, chrysanthemums, carnations and all kinds of stock. No demand of work. Best of references. European and American. State wages. Address, Paul, care Parley, Fifth Avenue, New Rochelle, N. Y.

SITUATION WANTED—By German gardener and florist, married, 20 years of age, 16 years' experience in landscape gardening and greenhouse cultivation, wishes position as foreman on first-class private or commercial place, good references. Julius Pancer, Fairbrook, Bordentown, N. J.

SITUATION WANTED—By practical all-around florist as grower of roses, carnations, bedding plants, etc., commercial or private. Capable of taking charge, 20 years' experience, aged 25. Best of references. European and American. Only those who cannot the services of a competent man need answer. Address, A. B., care The Florists' Exchange.

SITUATIONS WANTED

SITUATION WANTED—By a thorough up-to-date grower of strictly first-class cut flowers, roses, carnations, bedding stock, pot plants and Easter goods. Good pay for good service. A visit to my present place will be a pleasure. I desire a change. Address, F. P. B., care The Florists' Exchange.

SITUATION WANTED—By Hollander as foreman on commercial place, 18 years' European and American experience in the growing of plants and cut flowers, forcing bulbs, valley, etc. Three years in present place. Good references, aged 24, single. State full particulars in first letter. Address, J. P. Nullen, The Highlands, Newton Square, Pa.

HELP WANTED

WANTED—A first-class rose, carnation, chrysanthemum, violet and general stock grower, \$15.00 per week. Address, R. E. S., care The Florists' Exchange.

WANTED—Counter hands in New York city seed store, to put up orders and wait on customers. State references. Address, W. E., care The Florists' Exchange.

WANTED—Porter in a New York city seed store, to keep stock in order and help pack, \$10 a week. State references. Address, E. W., care The Florists' Exchange.

WANTED—Good grower of carnations, chrysanthemums and general bedding stock. Single man, state wages with board. References wanted. H. B. Thompson, Cantonburg, Pa.

WANTED—Young man to assist in greenhouses, one with some experience with roses preferred. Address with full particulars and references. B. B., care The Florists' Exchange.

WANTED—A good workman for mushroom growing, must be sober and reliable. Work by the month or year, man without family preferred. Address, P. Bonnet & Company, Alexandria, Va.

SHOP MANAGER WANTED

A manager for our branch store just opened last year on St. Catherine street in the center of the uptown shopping and theatre district. Up-to-date equipment and catering to high-class trade. We have an excellent offer to make to a first-class decorator and salesman. Salary to depend largely on own energies. Correspondence confidential. For further particulars apply to P. McKenna & Son, 710 Catherine street, West, Montreal, Canada.

MISCELLANEOUS

A Long Felt Want Supplied

The Greater New York Employment Agency can furnish help of all kinds for florist and greenhouse work. Any nationality. Address

A. HULSEBOSCH, Prop.
51 Greenwich St., NEW YORK CITY
Telephone 4839 Recter

MISCELLANEOUS WANTS

WANTED—The agency for any new line of goods. Edw. S. Schmid, Florist Supplies, Washington, D. C.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

Would like to exchange 2000 strong, healthy, unrooted cuttings of Victory for 1000 unrooted cuttings of Carnation Beacon. Chas. D. Stryker, Floral Park, N. Y.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and moved at once. Terms Cash. Address, F. X., care The Florists' Exchange.

VIOLET CULTURE

Price, \$1 50 Postpaid
A. I. De La Mare Ptg. & Co. Ltd., New York

STOCK FOR SALE

HEALTHY, strong cuttings, unrooted, Enchantress, \$8.00; Queen Louise, \$5.00 per 1000. Wm. S. Herzog, Morris Plains, N. J.

ASPARAGUS SPRENGERI, extra strong plants, from 3 in. pots, ready for 4 in., \$4.50 per 100. Cash with order. Charles S. Mason, Farmington, Conn.

ROOTED Geranium Cuttings, best standard varieties, in mixed lots, \$1.25 per 100, 2 1/2 in., \$2.00 per 100, \$1.75 per 1000. Will exchange for rooted carnation cuttings. C. H. Puhlman, Carnegie, Pa.

FIRST-CLASS Primula obconica grandiflora seed, hand fertilized, something extra fine, 90 per cent. finest dark colors. 50c trade price. Henry Krinke, 43 West Jessamine street, St. Paul, Minn.

1500 DOUBLE PETUNIAS Little Girl, \$1.25 per 100, \$14.00 per 1000. 2000 Little Gem, \$1.25 per 100; \$10.00 per 1000. E. V. B. Feitshausen, 184 Van Vranken Avenue, Schenectady, N. Y.

SEEDS, Bolzano's extremely early I. X. L. Tomato, \$8.00 per pound, large, smooth, immensely productive. Send postal for 1908 illustrated catalogue. Bolzano's Seed Store, established 1818, Baltimore, Md.

SURPLUS GERANIUMS AND CANNAS—Geraniums, 2 1/2 in. pots, \$2.00 per 1000; S. A. Nutt, Lafayette, Double Grant, A. Ricard, Cannas, Austria, White Shenandoah, large bulbs, \$15.00 per 1000. Frank P. Bile, Spring Lake Beach, N. J.

SAND-ROOTED Carnation Cuttings, A No. 1 stock, express paid. Victory, \$25.00; Pink Lawson, \$18.00; White Enchantress, \$20.00; Rose Pink, \$20.00; \$20.00; Winsor, \$20.00; Lady Bonifant, \$25.00 per 1000. A. Lamb & Son, Hughsonville, Dutchess County, N. Y.

TWENTY Thousand Rooted Chrysanthemum Cuttings, \$8.00 per 1000. Encouraged, Major Bonafant, John Jones, Ferrin, Polly Rose, Pacific, Halliday, White Bonafant, Souin, Baton, Cullingford and other varieties. Cash with order. Newtontown Avenue Greenhouses, Newtontown, Mass.

FOR SALE OR RENT

FOR SALE—Four greenhouses, all stocked, seven acres land, dwelling house, etc. Situated on Long Island. Will sell at a bargain. Box 204, Farmingdale, L. I., N. Y.

TO LEASE—Four greenhouses containing about 40,000 feet of glass, in good running order. Ideal place for wholesale grower. For description address N. E. McCarthy, 81 Hawley Street, Boston, Mass.

FOR SALE—Near New York, a well paying cemetery business, established twenty years, a fine dwelling with a large florist store, to lease to responsible party. For information address H. E., care The Florists' Exchange.

FOR SALE—Florist and seed business, store well furnished with free-box, counters, show cases, seed drawers, etc. Will sell at a reasonable price. Address Stead, Florist, Broadway and Walker avenue, Woodhaven, L. I., N. Y.

FOR SALE—Greenhouses and stock. About 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers. For terms, inquire of Miss Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

FOR SALE—Ten acres of fine soil for roses and carnations, five greenhouses recently built, heated with steam, boiler capable to heat three times as much glass. The houses are stocked with roses and dahlias. Excellent railway facilities, 22 miles from Philadelphia. Price, \$4,500. Possession immediately or April 1. Can sell twenty acres if desired. Address, P. O. Box 77, North Wales, Pa.

FOR SALE—The bankrupt estate of Howell and A. Chase, of Philadelphia, late treasurer of The R. G. Chase Nursery Company of Geneva, N. Y. offers for sale 120 shares of the stock of The R. G. Chase Company of Geneva, N. Y., full paid and non-assessable, the said shares being now in the hands of the trustee for the bankruptcy. The trustee will receive sealed proposals for the purchase of the said stock up to and including February 26, 1908. This offer is made by the trustee subject to the approval of the District Court of the United States for the Eastern District of Pennsylvania, the trustee reserving to himself the right to accept any and all bids which he may deem proper and should not be satisfactory. Address bids to Chester N. Parr, Jr., Trustee, 415 Real Estate Trust Building, Philadelphia, Penna.

Rooted cuttings of all soft-wooded plants are in demand at this time by florists who do not propagate their own stock. Growers making a specialty of the rooted cutting business will find an advertisement placed in THE FLORISTS' EXCHANGE a very profitable investment.

FOR SALE

FOR SALE—A large consignment of 16x24 double-thick American glass, A and B quality. For further information write Parsbolsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

TOBACCO Stems and Tobacco Dust, Stems, 1/2 lb. per lb. in bale lots. Dust, 2c. per lb. in case lots. Weight of bale or case, 300 to 400 lbs. each. Cash with order. S. R. Levy, Binghamton, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE—Second-hand boilers. One No. 5 Weathered, capacity 1,000 feet, 4 inch pipe, one No. 5 Hittings, capacity 900 feet, 4 inch pipe; one No. 57 Hittings, sectional, capacity 2,600 feet; two eight-sectional Weathered boilers. Write for information and prices. Wm. H. Luton, Opp. West Side Avenue Station (C. R. R. of N. J.), Jersey City, N. J. Telephone 412 Bergen.

FOR SALE

New greenhouse glass, very cheap for cash. Send inquires. Address C, care The Florists' Exchange.

FOUR GREENHOUSES

FOR SALE—TO BE TAKEN DOWN

17 feet wide, 125 feet long, modern structure. Built only a few years; in first-class order. Write to

ROWEHL & GRANZ, Hicksville, L. I., N. Y.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 2 1/2c.; 1 1/2 in. 3 1/2c.; 1 1/2 in. 4 1/2c.; 2 in. 5 1/2c.; 2 1/2 in. 10c.; 3 in. 14c.; 4 in. 19c.; per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1/2-1/2 in. \$3.00; No. 2 cuts 1 1/2-1 1/2 in. \$4.00; Armstrong Adjustable No. 2 cuts 1/2-1 in. \$4.00; No. 3 cuts 1 1/2-1 1/2 in. \$6.50. Second-hand Armstrong, No. 3 \$5.00; No. 2 \$3.00.

BOILERS one 12 in. grate, new round boiler, will heat 750 sq. ft. of glass, \$30.00; one 18 in. grate, new, round boiler, heating 900 sq. ft. of glass, \$40.00. 1 No. 530 Richardson, five section water boiler, grate 30 by 28, heat about 5000 sq. ft. of glass, used one season, \$125.00. 1 American Radiator Ideal, eight section water boiler, grate 67 by 49, heat about 15,000 sq. ft. of glass, price \$225.00. 1 Pierce Butler and Pierce Sterling Round Sectional boiler, grate 20 inches, heat about 1800 sq. ft. of glass, price \$50.00. The above boilers are guaranteed to be in good condition. We have other sizes and makes; write for prices.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in., grips 1 1/2 in. \$1.05; 18 in., grips 2 in. \$1.40; 24 in., grips 2 1/2 in., \$2.10; 36 in., grips 3 1/2 in., \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$3.50.

GARDEN HOSE 50 ft. lengths 3/4 in., guaranteed, 8 1/2c.; for heavy work, guaranteed, 12 1/2c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x \$1.60 up. Second-hand sash glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box. 10x12 single at \$1.80 per box, 10x12, 12x12, B double, \$2.30 per box. 12x14 to 12x20 and 14x14 to 14x20, 16x16 and 16x18, B double, \$2.50 per box. 16x20 to 16x24, B double, \$2.65 per box.

PECKY CYPRESS \$25.00 per 1000. We can furnish everything in new material to erect any size house. Get our prices

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Introducers and growers of carnations who supply the trade with rooted cuttings will find this a very favorable time for placing an advertisement in THE FLORISTS' EXCHANGE.

New York.

The Week's News.

When describing a social event like the recent Vanderbilt wedding, the daily press may be pardoned for being sensational. It is the privilege of those who fill space in the dailies to be imaginative and make the matter they are writing about readable, even though the truth has to be avoided or enlarged upon at times. We cannot see, however, why the skilled (?) writer who supplies one of our Western contemporaries with its society news from this city should go so much the methods of the large dailies, because anything printed in a trade paper relative to the particular business which the paper represents is supposed by its readers to be true, and, if anything be written and printed that is untrue and misleading, it is likely to be injurious to some readers at least. So in order to correct certain statements recently made by our imaginative friend referred to, we would observe that at the Vanderbilt wedding there were no thousands of orchids used, nor were there any muffs used that were made of pearls, or any other flowers, for that matter.

The next meeting of the New York Florists' Club will be held on Monday evening, February 10, at the Murray Hill Lyceum, Thirty-fourth street near Third avenue. President Weathered intends calling the meeting at 7:30 o'clock prompt if there be a quorum present, so members who wish to enjoy the entire service should be there on time. The essay committee has provided an illustrated lecture on the subject of "Tree Doctoring," by John T. Withers. This, no doubt, will prove a most interesting feature.

The weather this week has been more than ordinarily severe for New York. The thermometer has at times gone pretty nearly down to the zero mark, and several lots of frozen flowers have been noted in the wholesale district. As we have previously remarked, extremes of weather always have a very bad effect on the flower trade, and this week has been no exception to the rule; business has been more than ordinarily quiet.

Thomas Young, Jr., for many years has been located at 11 West Twenty-eighth street; recently a fire broke out in his store, so he has moved his stock and business to his Fifth avenue store, which is located near Forty-second street. The store which he has vacated has undergone alterations and will be opened on Monday, the 10th inst., by Millang Brothers. This firm consists of August and Charles Millang, both of whom are well known to the trade. Charles Millang, who is at present located at Twenty-ninth street, will eventually close up that place of business, discontinue the plant department and devote his entire time to the wholesale cut flower trade at the new premises.

The postponed creditors' meeting of the firm of Hicks & Crawbuck, 75 Court street, Brooklyn, will be held at the office of the referee, 25 Court street, on Wednesday, February 26.

The first annual ball of the Greek-American Retail Florists' Association, which was held on Friday evening, January 31, was pronounced a grand success by all who attended; several wholesalers were present, and speak highly of the affair.

Joseph S. Fenrich, wholesale florist, at 110 West Twenty-eighth street, has fully recovered from his recent accident and is attending business daily.

J. K. Allen, 106 West Twenty-eighth street, is, we are sorry to say, confined to his home with a severe cold.

The New York Market Florists' Association has obtained permission to use the space on Canal street for market purposes again this Spring. They will erect tents, as has been the custom for the last few years, and conduct business under canvas, which, although not perhaps as comfortable as a good market building would be, is a great improvement over being outdoors.

Last Saturday, February 1, A. D. Rose of Montclair, N. J., suffered a severe loss to his greenhouse by fire, which broke out at 1 a. m. The fire originated near one of the boilers and was discovered by the night watchman and an alarm sent in. The firemen responded promptly, and everything possible was done to keep the greenhouses protected from the cold, but the injury to the plants and flowers was considerable, in

addition to the \$200 damage done to the building.

A. J. Guttman, wholesale florist at 43 West Twenty-eighth street, is suffering from a felon on the thumb of his right hand. While attending the American Carnation Society's convention at Washington, D. C., last week, Mr. Guttman's thumb became so painful that he had to go to a hospital and have it treated.

The regular monthly meeting and lecture of the Horticultural Society of New York will be held in the rooms of the American Institute, 1921 West Forty-fourth street, on Wednesday, February 12, 1908, at 1 o'clock p. m. Dr. E. M. East of the Connecticut Agricultural Experiment Station will open a discussion on the "Improvement of Plants by Sporting" illustrated.

Philadelphia.

Club News.

The Florists' Club meeting on Tuesday evening last was very largely attended, the evening's feature being the paper by Edmund A. Harvey on the "Indoor Culture of Carnations." This paper proved very interesting and will be found in full in this issue. The essayist backed up his theories advanced in



Charles C. Leedle, President of The Leedle Rosary Co., Springfield, O.

the paper by an exhibit of ten varieties of carnations, nine of which had been grown entirely by the indoor culture system. The varieties exhibited were Winsor, Lady Bountiful, Beacon, Enchantress, Robert Craig, Victory, White Perfection, Mrs. Lawson and Aristocrat. They were all very fine flowers on long stiff stems, Lady Bountiful being the only variety which had been grown outdoors.

Other exhibits were a vase of fifty blooms of the new pink seedling No. 100 from Joseph Heneock Company; this variety received a certificate and first prize at the recent Carnation Society's convention. It is undoubtedly a coming variety, the flowers being large, stems stiff, and it is a great producer.

Samuel Batchelor, gardener to Mr. C. B. Newbold, staged some very fine flowers of the following carnations: White and Pink Enchantress, Lady Bountiful, and a few flowers of a sport from Lawson, of a bluish pink color evidently a very promising variety. This same exhibitor showed two plants of Cyclamen giganteum, very large flowers, pure white in color. The plants were in 6-inch pots, foliage perfect, showing good culture. One seed from which these were raised was procured from Sutton & Sons, Reading, England, and was sown in September, 1906.

Edward A. Strand, as usual, came to the front with a grand exhibit of carnations. He staged Winsor, Lady Bountiful, Beacon, Enchantress and Mrs. W. Burnett. The latter variety is one of the European productions. It came from the Island of Guernsey. It is light pink in color; flowers are of good form but from present indications the plants have not proven very productive.

A very interesting exhibit, and one that attracted much attention was that of the new *Clematis indivisa* exhibited by Henry A. Dreyer, Inc. This variety comes from New Zealand, and is being flowered here now for the first time. It is an indoor sort and blooms under glass in a carnation temperature during January, February and March. The flowers are borne in large graceful clusters, similar to those of *C. paniculata*, except that each flower stands out by itself, the flowers being one to one and one-half inches in diameter. The foliage is a dark, glossy green, very similar to that of wild smilax. This variety should prove a great acquisition for decorative work. Instead of being staged in vases this exhibit was placed on the chandelier and was indeed very beautiful.

The paper on carnations brought out considerable discussion. Albert M. Herr stated that he thought the first one to try indoor culture was Edwin Lonsdale, and while several others had been credited with being the first to start this method, he thought the credit belonged to Mr. Lonsdale. In answer to this Mr. Lonsdale stated that he grew carnations entirely indoors seventeen years ago. At that time he was growing the variety Grace Battles. He had some late cuttings taken early in June and grow these along entirely under glass. When bringing his other plants in from the field they were so badly diseased that in order to make the benches look better he planted the indoor grown plants among the field-grown ones and they not only did better but did not take the disease from the field-grown plants. He then saw great possibilities for this method of culture, and the following year tried Enticement with equally good results, and later on grew Helen Keller by the same method, but at that time he gave up growing carnations and so never followed up the culture.

Edward A. Strand said that he had become convinced that while the indoor culture was best for many varieties, it was best to adopt a compromise system. He had adopted that this year with good success. For instance a variety such as Beacon did not prove very profitable after Easter. He, therefore, emptied his house and planted in some varieties that did best by indoor culture. By this method he kept on planting from April until September; for three months he would be planting indoor-grown plants, following that up by plants from the field. By this method a grower did not entail upon himself the enormous work of having to empty all his houses in a short space of time, and it also enabled the grower to keep some varieties in and derive profit from the June business. He also thought that the indoor culture could be only carried on successfully by a grower who had side ventilation to his houses.

In regard to side ventilation E. A. Harvey stated that in his experience double ventilation at the ridge was better than side ventilation, as it kept the houses cooler and did not create a draft, which in Summer time dried out the benches too quickly.

At the next meeting of the club, on March 2, J. O. Thilow, of Henry A. Dreyer, Inc., will give a talk on his recent trip through Europe. The essayist being a keen observer and a good talker, will no doubt be the means of bringing out a large attendance at the next meeting. Dawn Rust.

SPRINGFIELD, O. The Leedle Rosary Company was incorporated at Columbus under the laws of Ohio on February 1, 1908, the incorporators being Charles C. Leedle, Charles P. Brunner, Henry J. Roth, Mark M. Livingston and James Sager; capital stock \$10,000. A location adjoining the premises of the Leedle Floral Company has been selected, and houses will be erected this Spring in which cut flowers will be grown for the trade in nearby markets, which can be quickly reached by the six leading express companies over steam routes as well as over the network of interurban lines centering at Springfield. Bride and Bridesmaid will be planted in the first houses, to be followed by other varieties later.

Charles C. Leedle will be president of the new company, and Arthur C. Leedle in charge of sales and shipping, while a competent grower will ensure a high grade product in due season. G. E. O.

CARNATIONS

Rooted Cuttings; Fine Healthy Stock
READY NOW:
Winsor Per 100 \$6.00 Per 1000 \$60.00
White Enchantress 6.00 60.00
Helen M. Gould and Beacon 6.00
Melody 4.00
Deholm 3.00
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson 3.00 25.00
Have a few hundred in 1 and 5 in pots of above varieties. Write for list.

ASPARAGUS

Sprenger, from 3 in pots Per 100 \$5.00
Plumosus Nanus, from 2 1/2 in pots... 1.00

VERBENAS

Beat Mammoth, Per 100 \$1.00 Per 1000 \$8.00

CANNAS

Strong Dormant Roots in 30 varieties. \$2.00 and \$3.00 per 100, \$15.00 and \$25.00 per 1000.

ROSES

Grafted and Own Roots, orders booked for early delivery.
Killarney, Richmond, Kalaerin, Carnot, Bride, Bridesmaid, Golden Gate, Perles, Sunrise, Sunset, etc.

ROOTED CHRYSANTHEMUMS CUTTINGS

20 fine varieties; \$1.50 and \$2.00 per 100. Send for list.

MISCELLANEOUS

Per 100 Per 1000
Ageratum, Cope's Pet, White Cap, P. Pauline, S. Gurney, L. Bonnet \$1.00 \$8.00
Achyranthes, best varieties 1.00 8.00
Ampelopsis Veitchii, pot grown 8.00
Colums, best bedding and fancy sorts 1.00 8.00
Cuphea Platycentra 1.25
Fuchsia, double and single 2.00 15.00
Feverfew, double white 1.50 12.00
Geraniums, best double and single 2.00 15.00
Heliotrope, light and dark 1.25 10.00
Ivy, German 1.50
Moon Vine, true, white 2.00 15.00
Salvia Splendens and Bedman 1.25 10.00
" Five early flowering sorts 1.50 12.00

WOOD BROTHERS, FISHKILL, N. Y.

VINCAS

Vinca var., fine large plants out of 4 in., \$6.00 per 100; 2 1/2 in., \$2.00 per 100

ALYSSUM, double, in bloom, fine 2 1/2 in., \$2.00 per 100.

PRIMULAS, Obconica, baby and Chinese, in bloom, 4 in., \$5.00 per 100; 2 1/2 in., \$2.00 per 100.

J. C. SCHMIDT, BRISTOL, PA.

ROOTED CUTTINGS Prepaid per 100. Heliotrope, 50 cents; best red and yellow, 50 cents. Ageratum, best red and yellow, 50 cents. Fuchsia, 2 1/2 inch kind, Giant Marguerite Daisy, yellow, Double Alyssum, \$1.00. Ageratum, Gurney and Pauline, Colums, best bedders, Verbena, best colors, 80 cents. Salvia, Bonfire and Splendens 50 cents. Bargain to move at once: Primula Obconica Grandiflora, mixed and Baby Primrose, 2 in. Will make fine stock for Easter if handled at once. \$1.75 per 100; 300 or more, \$1.50 per 100. Cash.

Shippensburg Floral Co., Shippensburg, Pa.

Asparagus Sprenger

3 inch pots, \$4.00 per 100

S. G. BENJAMIN, Fishkill, N. Y.

Alternantheras

Strong rooted cuttings, red and yellow, 50c. per 100, or \$4.00 per 1000. Brilliantissima, 60c. per 100, or \$5.00 per 1000.

DAVIS BROS., Morrison, Ill.

GERANIUMS Heteranthus, General Grant, Nott, strong plants, 100 per 100, \$1.00 per 1000. Rooted Cuttings, 100 per 100, \$1.00 per 1000. Hill, Fothergill, Favorite, 100 per 100, \$1.00 per 1000. Rooted Cuttings, 100 per 100, \$1.00 per 1000. G. E. O.

JAMES AMBACHER, WEST END, N. J.

New Carnation **DEFIANCE** Brilliant Scarlet

It is the only scarlet to grow for quality and quantity. Send us your order at once so as to secure February delivery.

\$12.00 per 100, \$100.00 per 1000. Usual Discounts on Larger Orders.
JENSEN & DEKEMA, 674 W. Foster Ave., Chicago, Ill. **W. N. RUDD, Morgan Park, Ill.**

New Carnation, **PRESIDENT SEELYE**

The unexcelled white; a seedling of MRS. T. W. LAWSON x THE QUEEN; now in its fourth year.

A large, well-formed flower, free and fragrant, easy to grow and does best in a temperature of 50 to 52. Calyx does not split.

Long, stiff stems from the start; a constant bloomer. Every cutting guaranteed well rooted and free from disease. The trade is invited to visit the greenhouses and see it growing.
\$10.00 per 100, \$75.00 per 1000. ORDERS Booked Now for JANUARY DELIVERY
H. W. FIELD, - - Northampton, Mass.

AS a matter of Business Policy it pays to satisfy a customer. This I am aiming to do in order to have your good will as well as your trade. Rest assured that I will do all in my power to satisfy you, for I am well equipped (better than ever) to supply you.

CARNATION ROOTED CUTTINGS
of high grade and can give prompt delivery. Pure WHITE ENCHANTRESS, BEACON, WINSOR, ARISTOCRAT, PINK IMPERIAL, \$6.00 per 100, \$50.00 per 1000. ROSE PINK ENCHANTRESS, WHITE PERFECTION, VICTORY, \$3.00 per 100, \$25.00 per 1000. ENCHANTRESS, M. A. PATTEN, HELEN GODDARD, HARLOWARDEN, \$2.50 per 100, \$20.00 per 1000.

Also all the best novelties of the season's introduction at the introducer's prices.
Drop me a line.
S. S. SKIDELSKY, 1741 No. 18th St., PHILADELPHIA, PA.

Carnation Cuttings

EXTRA STRONG WELL ROOTED

	10	100	100	1000
Andrew Carnegie, scarlet Harlowarden, the best scarlet for you to grow	\$12.00	\$100.00		
Aristocrat, beautiful cerise	6.00	50.00		
Welcome, silvery pink, very good long stems	6.00	50.00		
Winsor, silvery pink, good fruiter	6.00	50.00		
Beacon, orange scarlet	6.00	50.00		
Red Chief, scarlet, produces 2-1 of any other scarlet			6.00	50.00
White Enchantress, large stock of the true, pure white			3.00	25.00
Rose Pink Enchantress			3.00	25.00
White Perfection			3.00	25.00
Daybreak Lawson or Melody			3.00	25.00
Victory, good scarlet			3.00	25.00
Enchantress, large stock			2.50	20.00

Special prices on large quantities. Send us your order.
CHICAGO CARNATION CO., A. T. PYFER, Joliet, Ill. Manager.

The Test ^{Is} Tells The Story

When growers, who buy by the hundred the first season, order thousands the next **IT MEANS MERIT**

BEACON CARNATION
Occupies this enviable position. As an all Winter Blooming Scarlet

IT HAS NO EQUAL

Strong, vigorous, healthy cuttings ready now, per 100 \$6.00, per 1000 \$50.00

	100	1000	100	1000
WINSOR	\$6.00	\$50.00	ROSE ENCHANTRESS	\$4.00
WHITE PERFECTION	1.00	85.00	ENCHANTRESS	5.00

Make all Money Orders payable on NORWOOD, MASS.

PETER FISHER, - - Ellis, Mass.

CARNATIONS

Rooted Cuttings of all the new and standard market varieties. Send for price list.

WM. SWAYNE
Kenneth Square, Pa.

Rooted Carnation Cuttings

It will pay you to send for my catalogue and price list of the best novelties and standard varieties before buying.

A. F. LONGREN, Des Plaines, Ill.

Rooted CARNATION Cuttings

CUTTINGS are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

	100	1000
WHITE ENCHANTRESS	\$6.00	\$50.00
WHITE PERFECTION	3.00	25.00
WHITE LAWSON	2.00	18.00
QUEEN LOUISE	2.00	18.00
QUEEN PINK		
WINSOR	6.00	50.00
ARISTOCRAT	6.00	50.00
PINK IMPERIAL	6.00	50.00
ROSE PINK ENCHANTRESS	3.50	30.00
ENCHANTRESS	2.50	20.00
HELEN GODDARD	2.50	20.00
LAWSON	2.00	18.00

	100	1000
BEACON	6.00	50.00
VICTORY	3.00	25.00
ROBT. CRAIG	3.00	25.00
HARLOWARDEN	2.00	18.00
MRS. PATTEN	2.50	20.00

RECENT INTRODUCTIONS
AFTERGLOW \$12.00 per 100
LYDD (from 2-in. pots)
"SLENDOR" (Stevenson Bros.), a very promising variety, \$10.00 per 100; \$75.00 per 1000. Prompt delivery.

S. J. REUTER & SON, Inc., Westerly, R. I.

Winsor Carnations

From 6000 plants we have plenty of exceptionally fine stock, and 50,000 ready for shipment now.

From 2 1/2 in. pots \$7.00 per 100; \$50.00 per 1000.
Rooted Cuttings \$6.00 per 100; \$50.00 per 1000.

A. N. PIERSON,
CROMWELL, CONN.

CARNATIONS

	100	1000
White Enchantress R. C. (this stock originated with and grown by me is the very best)	\$6.00	\$50.00
Enchantress, light pink	2.50	20.00
Lawson	2.00	15.00
Lord, light pink	2.00	15.00
Queen, white	2.00	15.00
The Belle, white	2.50	20.00

250 at 1000 rate. Express prepaid on orders of 1000 or more.

Get your R. C. early and have blooms when others have none.

Frank H. Kimberly
631 Townsend Ave., WNE HAVEN, CONN.

CARNATIONS

	100	1000
White Enchantress	\$5.00	\$45.00
Rose Pink Enchantress	2.50	22.50
Enchantress	2.00	18.00
Victory	2.25	20.00
Harlowarden	1.50	15.00

Prosperity and Gaeothe, rooted, to order.
Strong, undivided **DARLIA CLUMPS.**

	Per 100
White Swan	\$5.00
Prince Bismarck	5.00
Clifford Britton	5.00
Glowing Coal	5.00

KRAMER BROS., FARMINGDALE, L. I., N. Y.

CARNATIONS

Indoor Culture.

Read before the Florists' Club of Philadelphia, February 4, 1908, by Edward A. Harvey, Brandywine Summit, Pa.

There is probably no cut flower the methods of culture of which have changed more in the past six or seven years than the carnation. When we began growing carnations, six years ago, we benched from the field about the middle of September, as this was the universal custom among Chester County carnation growers, and generally so throughout the United States, although some of the large growers around New York were practicing early planting. Now from the middle of July to the middle of August is generally conceded to be the proper time to house from the field.

The next development would naturally be indoor culture exclusively. To the writer's knowledge the first grower who practiced this method to any extent was Charles W. Ward, Queens, L. I., who has always been a leader in the development of the "divine flower." I well remember seeing in 1903 at Mr. Ward's range a house of Enchantress that had been grown inside over Summer and was struck with amazement at their magnificence. I do not think that I have ever seen them surpassed by any variety.

To succeed with indoor culture, strong, healthy cuttings should be put in the sand not later than February first; those potted up before February fifteenth are preferable. We first use 2-inch pots, then repot in 3-inch, and when these are well filled with roots, plant in a bench four inches apart each way. Some growers again repot from 3 to 4-inch pots and hold them in these until they are finally planted in the benches. When many plants are grown this method makes a great deal of work in watering, as the pots dry out very rapidly when hot weather comes, and the young plants are also liable to become pot-bound before the benches are ready for them. When their growth is once stunted they are practically useless. At each transplanting all the weak plants should be set aside. A weak cutting may recover in the field, but will never pay for itself grown inside.

As soon after Decoration Day as possible the old plants should be thrown out, the houses refilled with a good rich compost and the young plants put in their final place.

Care must be taken with the watering. There is not much danger of over-watering in Summer, still the benches should not be allowed to become soggy. Far greater danger is in allowing the soil to get too dry; as soon as it begins to appear a light color on top it should be wetted thoroughly, otherwise the plants will become hard and woody, and will not break freely.

Although it is generally advised against shading, we believe a light shade is beneficial, and put a thin coating of whitening on every other row of glass about the first of July, and remove it early in September. This will aid materially in keeping down the temperature and will not cause a weak growth unless the plants are over-watered.

Full ventilation should be given both day and night, except when a strong dry wind is blowing immediately on the plants, which dries out very rapidly both plants and soil, and is very likely to bring on an attack of red spider. This

NEW CRIMSON CARNATION HARVARD

New Carnation FAUST (BRILLIANT SCARLET) This novelty very fine for commercial use, owing to its extreme productivity; a fine one for Christmas trade. Color, form, stems, habit and productiveness all that can be desired. Price \$6.00 per 100, \$50.00 per 1000. Usual discount on large orders.

Mr. J. D. COCKCROFT, Northport, N. Y. Dear Sir—We desire to congratulate you on the two varieties of Carnations, GEORGIA and HARVARD, which you have been sending us. Georgia we consider to be the best white carnation that comes to New York, and can easily sell from 50c to 100c more than regular white. Harvard we think to be the best dark red coming here, easier to sell at double the price of any other dark red. With kindest regards, we remain, Yours truly,

ADDRESS ORDERS TO JAMES D. COCKCROFT, Northport, L. I., N. Y. REMEMBER WE GUARANTEE SATISFACTION

The color of this novelty is a very rich crimson. The blooms are of the finest as to size and quality and the habit is free and continuous, every shoot producing a flower with a calyx which we guarantee as non-bursting. Blooms borne on long, wiry stems from 24 to 30 inches and over. Price \$12.00 per 100, \$100.00 per 1000. Usual discount on large quantities.

Standard Varieties

Strong, Healthy, Rooted Cuttings

Table with 3 columns: Variety Name, Price per 100, Price per 1000. Includes varieties like Winsor, Rose Pink Enchantress, Enchantress, Lawson, Queen, Victory, Queen Louise, Red Sport, Pink Patten.

insect is about the only one that will cause trouble in the Summer and a thorough spraying with cold water twice a week will, we have found, keep down this pest. Should it appear, however, the plants should be sprayed every day until they are clear, as the red spider will cause a great deal of damage in a very short time, from which it will take a long time for the plants to recover.

The same care should be taken in pinching as in the field. Do not break back too high, as this will cause a top-heavy growth, and the plants will be broken up by the spraying. As soon as the shoots begin to elongate and show the stem between the leaves, the top should be taken out, leaving three or four joints. Do not leave the plants two or three weeks and then break off all the shoots at once, but go over them every week, topping all the longest ones. This will make a more even growth and lessen the tendency toward cropping.

The benches should be frequently cultivated during the Summer, both to keep down the weeds and to prevent the surface of the soil becoming hard and baked.

If the soil was well fertilized with cow manure and bone meal before it was put in the benches, no feeding will be necessary during the Summer. Through the Fall we use top dressings of bone meal and sheep manure every two or three weeks, omitting all feeding through December. In January when the days become longer and we get more sunshine, we use a stronger and quicker acting commercial fertilizer. Feeding with liquid manure would doubtless be beneficial, but we have never adopted this method.

If by the first of July the plants in the houses are as large as those in the field, you may consider that you have been successful, for, although through July and August the field plants will make a faster growth than the indoor stock, these will catch up later. There is always some check upon plants benched from the field, and often it is very severe if the conditions are not right; this is especially the case in a wet season.

One of the greatest advantages of indoor culture is the fact that we have control of the watering, and this is especially important since stem rot has made its appearance. How often does it happen that half of the plants die in the field and again half of those remaining, after they have been planted in the houses, and it is nearly Spring before we begin to cut good flowers! With proper indoor culture the ravages of the dreaded stem rot are reduced to a minimum.

Another advantage of this method is that large flowers with long stems can be cut early in the Fall, when they bring good prices and when none of the profits go into coal bills. A steadier cut is also assured through the Winter, and the danger of getting a heavy crop, when prices are low, is diminished.

Some varieties are undoubtedly better suited to indoor growing than others. As a rule, the broad-leafed, strong-growing kinds are best adapted to it. Mrs. Lawson and Winsor are notable examples, in fact, we would not attempt to grow them any other way.

The greatest objection offered to indoor culture is the fact that the June cut is lost. However, at this time carnations bring very low prices, and after all the problem is how to make each square foot of bench surface produce the most money. If we can make the returns through the Fall and Winter more than cover the loss during the Summer by indoor culture we are foolish not to adopt it.

WINONA

The True Pink Carnation for 1908.

A color that attracts attention. Once seen, always wanted

Comes nearest to Flancee, but is a different type flower. Never Bursts—Every Calyx Perfect. Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock, clean and healthy. Will guarantee every cutting to be first-class. Order now for early delivery. Price, \$12.00 per 100; \$100.00 per 1000. Larger lots, prices on application. With our additional glass we have more than doubled our stock our stock of Carnation plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER:

Table with 3 columns: Variety Name, Price per 100, Price per 1000. Includes varieties like Red Chief, Bonnie Maid, Aristocrat, Winsor, Beacon, White Enchantress, White Perfection, Rose-Pink Enchantress, Enchantress, Lady Bountiful, Victory, Dorothy Whitney, Mrs. Patten, Harry Fenn.

F. DORNER & SONS CO., Lafayette, Ind.

ASPARAGUS SEED

PLUMOSUS

Table with 2 columns: Quantity, Price. 1000 at \$3.50 per 1000, 5000 at 3.25 per 1000, 10,000 at 3.00 per 1000.

Maryland Grown Valley

Table with 2 columns: Variety Name, Price per 1000. PIPS \$5.00 per 1000, CLUMPS \$6.00 per 100.

Fisher Carnations

\$10.00 per 1000

WELL ROOTED CARNATION CUTTINGS

Table with 3 columns: Variety Name, Price per 100, Price per 1000. Includes Rose Pink Enchantress, Enchantress, Mrs. Lawson, Genevieve Lord, White Perfection, Lady Bountiful, Boston Market, White Enchantress, Winsor, Aristocrat, Mabelle.

THE FLORISTS' EXCHANGE, Baltimore, Md. Franklin and St. Paul Sts.

CARNATION SPECIALTIES

Rooted Cuttings of the following now ready.

Table with 3 columns: Variety Name, Price per 100, Price per 1000. Includes Winsor, White Perfection, Enchantress, White Lawson, M. A. Patten, Red Sport, Pink Lawson, Queen.

250 at 10 0 rates. Cash with order please. Our stock is D. K. inventory way.

VALLEY VIEW GREENHOUSES, Marlborough, N. Y. VELIE BROS., Props.

It is not urged that this method is an easy way to success in carnation growing. It certainly will not help that grower who is used to letting the plants take care of themselves.

I should not advise anyone to change his whole plant immediately from one method to the other, but first try a house, or at least a bench, and prove for yourself which way is the better under your conditions. Some of the largest and best growers in the country practice indoor culture exclusively, many others in part of their plant, and they certainly would not do so if it did not pay them. When any new method of doing things is taken up by the leaders in the trade, we owe it to the success of our business to see for ourselves at least if there is anything in it, otherwise we shall soon be bringing up the tail of the procession.

VICTORIA

NEW SEEDLING, crossed by Lawson and Harry Fenn, the color of Lawson and the long stem of Harry Fenn; it is more prolific than either, Lawson is past. Victoria is better than Lawson ever was, and gave us last Winter from 20 to 95 per cent, more blooms each month. It is very healthy and a nice grower. I have two houses of it, and it is a sight to see the buds and blooms. It brings more money in the market than Lawson. Read below what J. A. Budlong & Sons Company of Auburn, R. I., say of it. They are growing it this Winter. J. A. Budlong & Sons Company are one of the largest market gardeners in New England, also the largest rose and carnation growers in Rhoda Island.

December 10, 1907.

Mr. J. H. Cushing, Quiddick, R. I. Dear Sir: We have 1175 plants of your new seedling Victoria carnation which we planted in house the last of July. They

have made fine plants and we think now will produce as many flowers, if not more, than any carnation we ever grew. The stems are stiff and good length. The flower is also a good keeper.

We have sold these flowers in several instances to some of our best trade in Boston, who thought they were a long-stemmed Lawson.

Up to date, we have cut 4768 flowers from the 1175 plants, and there are as many buds in sight to-day as there have been any time since we started to cut. In other words, the cut has been very uniform and looks as if it would continue so throughout the Winter.

We do not think that you will make any mistake by putting this carnation on the market. Yours truly,

THE J. A. BUDLONG & SONS CO.

Price of Victoria rooted cuttings, \$75.00 per 1000; \$8.00 per 100; 250 at 1000 rate.

ROOTED CUTTINGS

Table with 3 columns: Variety Name, Price per 100, Price per 1000. Includes White, Pink, Red, and Variegated varieties like Queen, Perfection, Winsor, Aristocrat, Enchantress, Rose Enchantress, Mrs. Patten.

QUIDNICK GREENHOUSES - J. H. Cushing, Prop., Anthony P. O., QUIDNICK, R. I.

CARNATIONS NOW READY

AFTERGLOW, the 1908 pink, and BRITANNIA, the English scarlet, \$12.00 per 100; 2 1/2 in. pot plants, \$16.00 per 100.

ARISTOCRAT, WINSOR, IMPERIAL, BEACON and PINK IMPERIAL, at \$6.00 per 100; \$50.00 per 1,000.

WHITE PERFECTION, ROBERT CRAIG, VICTORY, MRS. PATTEN, LADY BOUNTIFUL and ENCHANTRESS, at \$3.00 per 100; \$25.00 per 1,000.

QUEEN, PEARY, MY MARYLAND, FAIR MAID, LAWSON and VARIEGATED LAWSON, \$2.50 per 100; \$20.00 per 1,000.

Now booking orders for GRAFTED ROSES of all standard varieties. BRIDES, BRIDESMAIDS, RICHMOND, KILLARNEY, etc.

Send for complete list.

CHARLES H. TOTTY, Madison, N. J.

CARNATION CUTTINGS

WELL ROOTED. READY NOW. SPECIAL PRICES

To clean out benches while this lot lasts.

Table with 3 columns: Variety Name, Price per 1000, Price per 100. Includes Enchantress, Lawson, J. E. Haines, Aristocrat, Pink Imperial, Pink Patten, White Perfection, Winsor.

ALBERT M. HERR, Lancaster, Pa.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
54 WEST 28th STREET, NEW YORK.
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—The weather is too cold for business. With the exception of roses there is a heavy supply of everything, and prices are on the downward grade. American Beauty are not plentiful and small lots in the beginning of the week touched the dollar mark. Bride and Bridesmaid are scarce; consequently, values remain fairly firm, though the lower grades do much better, proportionately than the fancy and extra grades. Carnations become more plentiful every day, and prices are far from what they usually are at this time of the year. Lilies are getting more plentiful, and other bulbous stock, such as narcissus in several varieties, tulips and freesias are all coming in quite heavily and are meeting with a very poor demand. Violets have to be sacrificed fearfully in order to make clearances, the extreme cold weather makes it impossible for the street merchants to ply their trade, consequently there are many thousands of violets on hand continuously. Lily of the valley is abundant and is bringing very unsatisfactory prices. Green goods fared no better than flowers, being in very poor demand. In fact, take the whole market right through, there is nothing clearing out except roses, and the reason for this is more on account of their scarcity than from any increased demand. It would take but a little increase over the present supply to bring rose prices down to the level of carnations and other flowers.

BOSTON.—Trade is dull, in fact, this city has not seen it in a worse state at this season for some years. All kinds of flowers are very abundant and there is little call except for funeral work among the retailers, consequently the wholesalers and growers are the sufferers. Roses are not so plentiful as other flowers, and prices of these keep up better. Carnations are very plentiful, but white are more in demand than colored. The call for violets has diminished on account of the severe weather. Narcissus are druggish. Lily of the valley is plentiful, so are sweet peas. There is a good supply of lilies. There is a fairly good demand for greens of all kinds. J. W. D.

INDIANAPOLIS.—Movements of vast proportions are not occurring in the flower business here. Severe weather has caused a falling off in counter trade. Prices maintain their high standard of last season in a fine manner, everything considered. Carnations, particularly, are always in demand at \$3 to \$5 per 100. Stock, such as sweet peas, blues, pansies, etc., sell more readily than the staple articles. Prime Bridesmaid, Bride and Richmond roses are offered by the growers at \$6 to \$8 per 100. American Beauty are selling better at \$5 to \$10 per 100, \$1.50 to \$3 per dozen is the retail price. Home-grown violets are not in sufficient quantity at 75c to \$1 per 100. Cattleyas and cypripediums are finding a slow sale at market prices. Fine specimen plants are arriving in liberal quantities, so that elegant window displays and fancy sales should be in order. I. H.

CHICAGO.—The severity of the weather of the second half of last week has had the effect of diminishing the supply of cut flowers considerably, except of certain varieties of bulbous stock, which appear to be as plentiful as ever. Roses are in short supply all round, and prices have advanced accordingly. American Beauty have suffered to a large extent, and the shortage has been more particularly felt in this market through an unusual demand from the East, the high prices and short supply in the New York and Philadelphia markets having resulted in some good orders being placed here. Bride, Bridesmaid and Killarney are in excellent demand. Long-stemmed stock is not particularly plentiful but perhaps quite sufficient for the business offering. Short stock is selling well, and brings good prices. White roses are least in supply. Carnations are strong at quoted prices, because a truly less plentiful. Anemons are still quite heavy, but clean up better. Tulips are not quite so abundant, but come in in quantity quite sufficient to meet the demand, which is not very active. Violets are plentiful, and arrivals from New York are slightly bet-

ter in quality, though without improvement in values; in fact, top prices have declined a few points. Lilies are in better supply and bring good figures. Lily of the valley is coming in well, and continues to show improvement in quality, selected stock overtopping maximum quotations. Callas sell well, and move quickly. Mignonette is doing better, mainly because receipts are smaller. Paper White narcissus drags less than of late, arrivals being lighter, but among so much white stock offered, higher prices are hardly possible. Daffodils are very plentiful, and hang fire somewhat. Some excellent sweet peas are coming in now, the best selling freely. There is an excess of short-stemmed stock, however, which is hard to move. Tulips are much finer in quality, plenty of really good flowers being now in evidence. Fine red sorts bring the highest prices, and are to be had with good long stems. J. H. P.

ST. LOUIS.—Business of late has been fairly good. There is plenty of funeral work. We will have six weeks more of winter, as February 2 was a beautiful clear day. Last week we

to \$12.50 per 100. Sweet peas, when long in stem, sell at \$1 per 100. Jonquils and Von Sion bring top prices. Smilax and asparagus sell best of any greens. ST. PATRICK.

CATALOGUES RECEIVED.

W. D. BURT, Dalton, N. Y.—Illustrated Catalogue of Flower and Vegetable Seeds.

HENRY NUNGESSER & COMPANY, New York.—Complete wholesale price list of American and Imported Grass and Clover Seeds.

MISS C. H. LIPPINCOTT, Minneapolis, Minn.—Illustrated Catalogue of Flower and Vegetable Seeds.

E. C. POMREHNCKE, Hamburg, Germany.—Catalogue of Seeds and Bulbs, printed in the German language.

G. S. STODDARD, Newport, R. I.—Price List of Dahlias, including the best of European and home-grown varieties.

J. M. THORBERN & COMPANY, New York, N. Y.—Price List of Seeds for Market Gardeners and Florists, illustrated.

J. L. DILLON, Bloomsburg, Pa.—Wholesale Catalogue of Roses and Carnations, also price list of Verbenas, Coleus, etc.

BERNST EBNARY, Erfurt, Germany.—Plate showing colored representations of thirty varieties of Sweet Peas, beautifully executed.

GERMAIN SEED COMPANY, San Francisco, Cal.—General Catalogue of High-grade Vegetable, Flower and Field Seeds, Perennials, Conifers, Evergreens, Palms, Roses, Supplies, etc. A fine portrait of Eugene Germain, the founder of this well-known California house, which is now entering into its thirty-seventh year, is given. Illustrated.

SCHLEGEEL & FOTTLER CO., Boston, Mass.—Illustrated Catalogue of Vegetable, Field and Flower Seeds, Bulbs, Plants, etc., and a well-selected list of novelties and specialties. This firm has been in business for over sixty years and numbers among its customers many of the most successful gardeners and largest buyers of seeds in New England.

G. BLAAUW & COMPANY, Boskoop, Holland (Agent, John Radder, 13 William Street, New York). General Catalogue of Nursery Stock grown by this well-known firm. Among the novelties mentioned are Juniperus Pfitzeriana, Pseudotsuga Douglasi glauca elegans, etc. There is also a very comprehensive list of Ponies, Rhododendrons, Azaleas, Roses and other plants.

H. E. FISKE SEED COMPANY, Boston, Mass.—Catalogue of Vegetable and Flower Seeds, Bulbs, Plants, Supplies, etc. Beautifully illustrated with very attractive cover designs of asters, cosmos and hollyhocks reproduced from photographs. This firm makes a specialty of New England grown seeds, and presents a very attractive list of novelties, specialties and standard sorts in all lines.

S. M. ISBELL & COMPANY, Jackson, Mich.—Illustrated Catalogue of Farm and Garden Seeds, Plants, etc. The catalogue calls attention to the ideal soil and climate for growing seeds in Michigan. There are offered a number of novelties and specialties, including New Muskmelon (Isbell's Grand), New Alpha Pink Tomato and New Radish Crystal Beauty. The firm's motto is "Advance all along the line."

LEONARD SEED COMPANY, Chicago, Ill.—Illustrated Catalogue of Vegetable, Field and Flower Seeds, Bulbs, Hardy Climbers, Supplies, etc. Among the specialties mentioned are the Wobler Wax Bean, Italian Marrow Squash, Davis Perfect Cucumber, etc. The cover designs are very attractive, showing various vegetables and the Leonard California Poppy. Also Market Gardeners' Catalogue for the season of 1908; illustrated.

H. H. BERGER & COMPANY, New York, N. Y.—Spring Catalogue of Vegetable and Garden Seeds, Bulbs, Ponies, Roses, etc. Beautifully illustrated, the front cover design being a view of a Japanese garden and that of the back cover a collection of tree ponies. A well-selected list of novelties is provided. This firm, as is well known, makes a specialty of Japanese plants, and some interesting subjects in that line are offered in shrubs and Trees, Maples, Rhododendrons, Hydrangeas, Azaleas, etc.

C. C. MORSE & COMPANY (Successors to Cox Seed Company), San Francisco, Cal.—Illustrated Catalogue of Vegetable and Flower Seeds, Plants, Bulbs, Roses, Hardy Evergreen Trees and shrubs, etc. Sweet peas form a specialty of this concern. This firm has consolidated its business with that of the Cox Seed Company and also with the seed house of E. J. Bowen, and now represents the combined interests of the three largest seed houses on the Pacific Coast.

CALENDARS RECEIVED.

The Florists Exchange acknowledges, with thanks, receipt of calendars from the following firms: Adams the Florist, Newtonville, Mass.; Archias Seed Store, Sedalia, Mo.

BUSINESS DIFFICULTIES.

PITTSBURG, PA.—An involuntary petition in bankruptcy was filed in the United States district court January 27, 1908, against Lincoln I. Neff, florist, of 218 Sixth street. He resides at Springdale. The claims of the three petitioning creditors amount to \$4,100.

A Compact Road Outfit.

The illustration herewith shows the sample line of florists' supplies which F. J. Farney, traveling representative of the A. L. Randall Company, Chicago, manages to carry in two trunks and a sample case. The photograph, which was taken in Detroit, shows Hugo Schroeter of that city looking over the line.



Sample Line of Supplies Shown by A. L. Randall Company's Traveling Salesman, F. J. Farney, While on the Road
Hugh Schroeter, Detroit, Looking Over Samples

had one great day to sell carnations. McKinley Day. Colored stock sold well at advanced prices, some going as high as 6c. for extra fancy. The wholesalers say that they have been short on white roses all of last week, with a great demand for same; in fact, roses of all kinds are scarce, except American Beauty, which seem very plentiful in all grades. These run from \$2 to \$3 per dozen for fancy, and down to as low as 50c to 75c for short grades. Bride and Ivory went up to from \$5 to \$10 per 100 owing to scarcity. Richmond and Killarney, from \$4 to \$8; \$10 for extra fancy.

Carnations, in fancy grades, run as high as \$5 per 100. White are selling out clean. There is a great deal of colored stock in the market to-day (Monday, February 30), with prices at from \$2 to \$3 per 100. California violets are in better demand and are not overstocked at present; top price is 10c per 100. There is a great deal of extra fine bulbous stock in the market which had some call last week. Tulips (white) sell best at \$2 to \$3 per 100; Roman hyacinths and Paper White narcissus, \$1 to \$2. Lily of the valley, \$3 to \$4. Callas and Harrisii lilies, \$10

M. CRAWFORD COMPANY, Cuyahoga Falls, O.—Descriptive Catalogue of Strawberry Plants. A comprehensive and interesting collection.

S. S. PENNOCK-MEEHAN COMPANY, Philadelphia, Pa.—Illustrated Price List of the New Rose Mrs. Jardine, Carnations, Asparagus, etc.

J. A. SIMMERS, Toronto, Ont.—Illustrated Catalogue of Farm, Vegetable and Flower Seeds and Ornamental Shrubs, Trees, Evergreens, Bulbs, etc.

CHAS. JOHNSON, Marietta, Pa.—Price List of Vegetable Seeds. Mr. Johnson is the sole agent for the United States and Canada for Denaffe & Son, seed growers, Carignan, Northern France.

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Wholesale Prices of Cut Flowers, New York, Feb. 5, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy—special.....	60.00 to 75.00	Ind'r grades, all colors.....	1.00 to 1.50
	extra.....	20.00 to 40.00	White.....	1.50 to 2.00
	No. 1.....	12.00 to 15.00	Pink.....	1.50 to 2.00
	No. 2.....	6.00 to 8.00	Red.....	1.50 to 2.00
	No. 3.....	3.00 to 4.00	Yel. & Var.....	1.50 to 2.00
	Bride, Maid fancy—special.....	8.00 to 10.00	White.....	2.00 to 3.00
	extra.....	6.00 to 8.00	Pink.....	2.00 to 3.00
	No. 1.....	4.00 to 6.00	Red.....	2.00 to 3.00
	No. 2.....	to 3.00	Yel. & Var.....	2.00 to 3.00
	Golden Gate.....	3.00 to 12.00	(NOVELTIES.....	3.00 to 6.00
	RICHMOND.....	3.00 to 20.00	GARDENIAS, per doz.....	1.00 to 6.00
	Mme. Abel Chatenay.....	3.00 to 10.00	LILAC, per bunch.....	.61 to .75
	ADIANTHUM.....	.50 to .75	LILIES.....	6.00 to 8.00
	CROWNEANUM.....	1.00 to 1.50	LILY OF THE VALLEY.....	1.00 to 3.00
	ASPARAGUS.....	25.00 to 50.00	MIGNONETTE.....	3.00 to 6.00
	Plumosus, bunches.....	12.00 to 15.00	NARCISSUS (Paper White).....	1.00 to 1.50
	Sprengerl, bunches.....	12.00 to 15.00	Yellow.....	1.50 to 2.00
			POETICUS.....	1.10 to 1.50
	CALLAS.....	8.00 to 10.00	SMILAX.....	8.00 to 12.00
	CATLEYAN.....	25.00 to 40.00	VIOLETS.....	.30 to .60
	CYPRIPEDIUM.....	5.00 to 8.00	CORS-FLOWERS.....	.50 to 1.50
	DAISIES.....	2.00 to 3.00	HYACINTHS, Roman.....	.50 to 1.00
	FREESIA, per bunch.....	.10 to .20	SWEET PEAS (per doz. bunches).....	1.00 to 2.00
			TULIPS.....	1.00 to 3.00

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Convention Echoes.

Among the late arrivals at the recent exhibition of the American Carnation Society were some good seedling carnations from Thos. J. McCormick, Baltimore, Md. There were two cases of a good white, and one of pink. The exhibitors of Rhea Reid and Mrs. Jardine roses may well feel proud of the most excellent condition in which these flowers kept. They kept sufficiently well to occupy a prominent place on the banquet table on Thursday night. The majority of the carnations had gone to sleep on Wednesday night; this hastened the free distribution to the public who flocked in, soon cleaned up everything in sight, and looked around wistfully for more. At this crisis a Washington florist mounted a stage, clapped his hands to silence the crowd and announced in "honest injun" style that a free distribution of plants was going on upstairs. This sent the crowd surging for the upper hall, where darkness greeted them. Professor Charlemagne Koehler, who so ably entertained the American Rose Society at the banquet here last March, and who has since contributed his services on various occasions to the local Florists' Club, acted as chief entertainer at the banquet given the Carnation Society. Professor Koehler is a most wonderful entertainer, and no doubt one of the very best in this country, his repertoire covering a wonderfully large field. The art of expression has been his life study and in this, dramatic art, and recitation, his equal has not been found in Washington. He was five years with the Booth-Barrett Company, where he took many important parts before some of the most critical audiences. He is a born artist and has done much for the entertainment of florists from all over the country and is most highly esteemed in Washington. Very high, cold winds have prevailed, and if we are to accept the theories of our grandfathers, real Winter is just beginning and there is enough to satisfy all. Social functions are creating the usual demand for flowers at present, and home-grown stock is fairly abundant. J. F. CALVERY

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Cincinnati News Notes.
 Saturday night, February 1, was probably the worst proposition the growers have ever been up against in this vicinity. The wind blew a gale all night and the thermometer dropped to zero. Firing was rushed to the limit and the boilers had to be worked to their utmost capacity. B. P. Critchell suffered considerably, about ten feet of each house being frozen. Others had all they could do to keep out the frost. Mr. Critchell has been in bed for the past two weeks with a severe attack of sciatic rheumatism, and at this writing, February 3, is no better.
 Business is only fair and stock is scarce, but is cleaned up nicely daily at good prices. Funeral work is the only stimulus to trade; no weddings, receptions or other society events.
 Tom Joy, Nashville, Tenn., was a caller during the week. He was on his annual inspection tour, taking in Richmond, Cincinnati, New Castle, Knightstown and Lafayette, Ind., and his report on the establishments visited was very flattering, especially so of the debutantes of the divine flower.
 I am glad Indianapolis is the city chosen for the 1909 meeting of the Carnation Society. We all know what the Indianapolis and Indiana boys can and will do; as entertainers they are second to none, and their German House is the finest in the whole country for staging the show and holding the meeting. The society can congratulate itself on having again the opportunity of meeting in Indianapolis. Brother Baur, vice-president-elect, is the right man in the right place, a hustler, as well as a good fellow, conscientious and not afraid to soil his hands, and he has a score of able assistants to help make everything a success.
 Mr. O'Neill, representing Vaughan's Seed Store, was in the city looking after the interests of the firm.
 I was much pleased in looking over the report of the meeting of the American Carnation Society to see that Dick Witterstaetter was strictly in it with Afterglow. Alma Ward seems to be able to remain at the top of the ladder, the same as her father. I failed to see any notice of the white carnation Sarah Hill. What's the matter with Charles Knopf? A good thing like this should not be in the background. E. G. G.

Wholesale Prices of Cut Flowers—Per 100

Boston Feb. 4, 1908	Buffalo Feb. 3, 1908	Detroit Feb. 2, 1908	Cincinnati Feb. 3, 1908	Baltimore Jan. 27, 1908	Names and Varieties	Milwaukee Feb. 1, 1908	Philadelphia Feb. 4, 1908	Pittsburg Feb. 5, 1908	St. Louis Feb. 3, 1908
47.00 to 50.00	40.00 to 50.00	..... to .....	..... to 40.00	..... to	A. BEAUTY, fancy-special.....	..... to 25.00	50.00 to 60.00	30.00 to 40.00	20.00 to 25.00
20.00 to 40.00	25.00 to 30.00	25.00 to 30.00	..... to 30.00	35.00 to 5.00	..... extra.....	..... to 20.00	3.00 to 50.00	20.00 to 25.00	12.50 to 15.00
10.00 to 20.00	20.00 to 25.00	20.00 to 25.00	..... to 25.00	15.00 to 25.00	..... No. 1.....	10.00 to 15.00	25.00 to 30.00	5.00 to 12.00	6.00 to 10.00
..... to	4.00 to 10.00	6.00 to 15.00	4.00 to 10.00	8.00 to 12.50	..... Culls and ordinary.....	..... to	6.00 to 20.00	..... to 6.00	3.00 to 5.00
10.00 to 16.00	12.00 to 15.00	8.00 to 10.00	6.00 to 7.00	10.00 to 12.50	BRIDE, MAID, fancy-special.....	..... to 8.00	12.00 to 15.00	..... to 12.00	8.00 to 10.00
8.00 to 10.00	10.00 to 12.00	6.00 to 8.00	4.00 to 6.00	8.00 to 10.00	..... extra.....	..... to 6.00	10.00 to 12.00	8.00 to 10.00	5.00 to 6.00
4.00 to 8.00	8.00 to 10.00	..... to	3.00 to 5.00	6.00 to 8.00	..... No. 1.....	..... to 4.00	8.00 to 10.00	..... to 6.00	..... to 4.00
2.00 to 4.00	4.00 to 6.00	..... to	3.00 to 4.00	4.00 to 5.00	..... No. 2.....	..... to 2.00	4.00 to 8.00	..... to 4.00	..... to
..... to	4.00 to 7.00	6.00 to 10.00	3.00 to 8.00	5.00 to 10.00	GOLDEN GATE	4.00 to 6.00	10.00 to 12.00	4.00 to 6.00	..... to
..... to	5.00 to 15.00	6.00 to 10.00	4.00 to 12.00	6.00 to 10.00	K. A. VICTORIA	4.00 to 8.00	4.00 to 8.00	..... to .....	..... to
..... to	5.00 to 7.00	..... to	4.00 to 12.00	6.00 to 10.00	LIBERTY	4.00 to 6.00	4.00 to 25.00	..... to .....	..... to
..... to	2.00 to 3.00	35.00 to 50.00	..... to	1.00 to 1.50	PERLE	4.00 to 6.00	..... to	4.00 to 6.00	..... to
1.00 to 2.00	..... to	2.00 to 4.00	..... to 3.00	2.50 to 3.00	ORCHIDS—Cattleyas.....	..... to 5.00	1.00 to 60.00	30.00 to 60.00	..... to
1.00 to 2.00	2.00 to 3.00	2.00 to 4.00	..... to 3.00	2.50 to 3.00	..... Inferior grades, all colors.....	..... to 2.00	2.00 to 3.00	2.00 to 3.00	1.50 to 1.50
1.00 to 2.00	2.00 to 3.00	2.00 to 4.00	..... to 3.00	2.50 to 3.00	Standard Varieties.....	..... to 2.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
1.00 to 2.00	2.00 to 3.00	..... to .....	..... to 3.00	2.50 to 3.00	..... White.....	..... to 2.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
2.00 to 3.00	3.00 to 4.00	..... to .....	..... to 3.00	2.50 to 3.00	..... Pink.....	..... to 2.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
2.00 to 3.00	3.00 to 4.00	..... to .....	..... to 3.00	2.50 to 3.00	..... Yellow and var.....	..... to 3.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
2.00 to 3.00	3.00 to 4.00	..... to .....	..... to 3.00	2.50 to 3.00	..... Fancy Varieties.....	..... to 3.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
2.00 to 3.00	3.00 to 4.00	..... to .....	..... to 3.00	2.50 to 3.00	..... White.....	..... to 3.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
2.00 to 3.00	3.00 to 4.00	..... to .....	..... to 3.00	2.50 to 3.00	..... Pink.....	..... to 3.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
..... to .....	..... to .....	..... to .....	..... to 3.00	2.50 to 3.00	..... Red.....	..... to 3.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
..... to .....	..... to .....	..... to .....	..... to 3.00	2.50 to 3.00	..... Yellow and var.....	..... to 3.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
..... to .....	..... to .....	..... to .....	..... to 3.00	2.50 to 3.00	Novelties.....	..... to 3.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
..... to .....	..... to .....	..... to .....	..... to 3.00	2.50 to 3.00	ADIANTUM.....	..... to 1.00	1.00 to 1.50	1.00 to 1.25	1.00 to 1.25
..... to .....	..... to .....	..... to .....	..... to 3.00	2.50 to 3.00	ASPARAGUS, Plum. and Teu	20.00 to 30.00	35.00 to 75.00	30.00 to 50.00	25.00 to 40.00
..... to .....	..... to .....	..... to .....	..... to 3.00	2.50 to 3.00	..... Sprenger, bunches.....	20.00 to 30.00	35.00 to 50.00	20.00 to 40.00	25.00 to 50.00
..... to .....	..... to .....	..... to .....	..... to 3.00	2.50 to 3.00	CALLAS.....	..... to 12.50	10.00 to 15.00	10.00 to 12.00	10.00 to 12.50
..... to .....	..... to .....	..... to .....	..... to 3.00	2.50 to 3.00	CHRYSANTHEMUMS.....	..... to 6.00	25.00 to .....	..... to .....	..... to
..... to .....	..... to .....	..... to .....	..... to 3.00	2.50 to 3.00	DAISIES.....	..... to 5.00	1.50 to 3.00	1.00 to 3.00	..... to
..... to .....	..... to .....	..... to .....	..... to 3.00	2.50 to 3.00	GLADIOLUS.....	..... to 3.00	3.00 to 6.00	..... to 4.00	3.00 to 4.00
..... to .....	..... to .....	..... to .....	..... to 3.00	2.50 to 3.00	LILIES.....	..... to 12.50	12.50 to 15.00	15.00 to 10.00	10.00 to 12.50
..... to .....	..... to .....	..... to .....	..... to 3.00	2.50 to 3.00	LILY OF THE VALLEY.....	..... to 3.00	2.00 to 5.00	2.00 to 4.00	3.00 to 4.00
..... to .....	..... to .....	..... to .....	..... to 3.00	2.50 to 3.00	MIGNONETTE.....	..... to 1.50	6.00 to 8.00	5.00 to 5.00	4.00 to 5.00
..... to to to to 3.00	2.50 to 3.00	SMILAX to 15.00	12.50 to 20.00	12.50 to 15.00 to 15.00
..... to to to to 3.00	2.50 to 3.00	VIOLETS to 5.00	75 to 1.00	50 to 1.00	25 to 40

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THE PENINSULA HORTICULTURAL SOCIETY OF MICHIGAN has elected officers as follows: President, James T. Shallcross, Middletown; vice-president, Irving Walker, Chestertown; secretary, Wesley Webb, Dover. The next meeting of the society will be held in Wilmington, Del., on January 12, 1909.

WHITE MARSH, MD.—Mr. and Mrs. Richard Vincent, Jr., will leave early in April next for a trip to Europe, when pleasure and business will be combined.

ESTABLISHED 1894

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DIGHTON, MASS.—The florists here have had several meetings of late, the object of which is to fix a uniform price on potted and box plants the coming Spring.

SPRINGFIELD, MASS.—Louis B. Clark, proprietor of the Bridge street greenhouses, is convalescing from an operation.

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Wholesale Prices of Cut Flowers, Chicago, Feb. 5th, 1908
 Prices quoted are by the hundred unless otherwise noted

ROSES		CARNATIONS	
American Beauty		STANDARD VARIETIES	
36-inch stems.....per doz.	4.00 to 5.00	White.....	2.00 to 3.00
24-inch stems.....	2.00 to 3.00	Pink.....	2.00 to 3.00
24-inch stems.....	..... to 2.50	Red.....	2.00 to 4.00
20-inch stems.....	..... to 1.50	Yellow & var.....	2.00 to 3.00
18-inch stems.....	..... to 1.25	*FANCY	White.....
12-inch stems.....	..... to .75	The highest grades of Sta'd varieties.	Pink.....
8-inch stems and shorts "	..... to .50		Red.....
Bride Maid, fancy special.....	12.00 to 15.00		Yellow & var.....
" extra.....	..... to 10.00	NOVELTIES	..... to
" No. 1.....	..... to 6.00	LILAC, white, per bunch.....	..... to 1.50
" No. 2.....	..... to 4.00	LILIES, Harrisii.....	12.00 to 15.00
Golden Gate.....	6.00 to 12.00	CALLAS.....	1.50 to 2.00
Uncle John.....	6.00 to 12.00	SMILAX.....	10.00 to 12.00
Liberty.....	6.00 to 12.00	LILY OF THE VALLEY.....	1.50 to 3.00
Richmond.....	10.00 to 20.00	HARDY FERNS per 1000.....	..... to 2.00
Killarney.....	4.00 to 12.00	TALAX (green).....	..... to 1.00
" extra.....	12.00 to 20.00	" (bronze).....	..... to 1.00
Perle.....	4.00 to 12.00	MIGNONETTE	1.00 to 3.00
Chatenay.....	4.00 to 12.00	VIOLETS, double New York.....	.25 to .45
K. A. Victoria.....	4.00 to 12.00	" local double.....	..... to .75
Mrs. Marshall Field.....	..... to	" single.....	.25 to .75
ADANTUM.....	1.00 to 1.50	NARCISSUS.....	2.00 to 2.50
ASPARAGUS, Plum. & Ten.....	.35 to .50	ROMANS.....	2.00 to 2.50
" Sprengeri, bunches.....	.35 to .50	POINSETTIAS, per doz.....	..... to
Orchids—Cattleyas.....	30.00 to 50.00	STEVIA..... to
CYPRIPEDIUM.....	1.00 to 1.50	SWEET PEAS.....	.10 to 1.25
..... to	TULIPS.....	2.00 to 4.00
..... to to
..... to to

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 58-60 Wabash Avenue
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Chicago.
The Week's News.
 Business for the month just closed was far from unsatisfactory, although perhaps a few removes from the normal. Increased production, with more than ordinarily heavy crops, was a factor which governed values very largely during the month, consequently the volume of trade done in wholesale circles does not quite approach in the aggregate of values the business of the corresponding period of last year. Retailers in general have had a pretty fair month's trade. There was a noticeable paucity of orders for decorative work, but this condition has been more than counterbalanced by an unusually heavy demand for funeral work. With comparatively low prices for cut flower stock during the month, very little difference between the trade of January, 1908, and January, 1907, is noted by the majority of retailers, as far as average profits are concerned.
 John F. Kidwell & Brother, Wentworth avenue, kept the stock in their fifteen greenhouses in active movement during January. They have now a quantity of lilies in bloom, all of which are being used for their retail trade. Their lily stock for Easter embraces about 6,000 pots, most of which already is showing quality. Nephrolepis Whitmanii is grown very largely, parent stock filling one house almost completely. Fronds from this stock are cut for use

in design work and bouquets, for which the fern is well adapted. There is also a quantity of plants in 6 and 7 inch pots. A house of Baby Rambler roses is in fine condition and should be just right for Easter. The Boston fern is also in good supply here, and is said to move rapidly at all seasons. The largest house of the range contains some dracaenas in two or three varieties, Pandanus Veitchii, and kentias, all in first class shape. John F. Kidwell of the firm is building a new greenhouse establishment at Belmont on the Burlington road, near Morton Grove. Before the end of the season he will have a glass area of over 40,000 square feet. The frames of several of the houses are nearly completed. They all rest on concrete walls, and the boiler house and stack are to be of concrete. The range will be heated by steam from horizontal tubular boilers, with the Morehead trap double system. Glazing will shortly be proceeded with, about 65,000 feet of glass being already on the ground. Roses, carnations, smilax and asparagus are to be grown, and part of the range will be in operation early in Spring. The establishment when complete is to be conducted by a son and a nephew of Mr. Kidwell. There will be plenty of room for expansion, as the site is part of a 250-acre estate purchased last year.
 T. F. Keenan, 6112 Wentworth avenue, has been making a specialty of breeding goldfish during the last few years, and is working up a good grade,

both whole sale and retail. He shipped over 50,000 fish last year, and to points as far distant as New York, Philadelphia, Salt Lake City, Baltimore and the Far West. When the demand for flowers and plants is slow he "fishes" for business.

The Schiller establishment lost a valuable horse last week—a victim of pneumonia.
 Herbert Hastings, representing A. H. Hews & Company, Cambridge, Mass., is in town this week, as also is Wm. Hagemann of New York.

Secretary T. E. Waters of the Chicago Florists' Club is promoting the idea of holding a series of "smokers" during the remaining Winter months.

The E. F. Winterston Company is receiving a supply of orange blossoms daily.

Fritz Bahr, Highland Park, has returned from a tour through Cuba.

Reinold Schiller has been somewhat incapacitated for business for several days through an injury to his hand. Someone left a needle on his desk, and in giving his desk a vigorous thump the needle entered his hand wholly, leaving hardly a trace. It embedded itself in the muscle in such a way that X-rays and the knife were necessary for its removal, and he will have a bandaged hand for some time.

January 29 was McKinley Day, but carnation sales were not particularly heavy, not nearly so large as in previous years. It looks as if interest in the martyred President's favorite flower, as far as a memorial to him goes, is waning. Carnation Lodge, Knights of Pythias, observed the anniversary, and carnations were strongly in evidence for the occasion. The lodge gets its name from the fact that the carnation was McKinley's favorite flower.

St. Valentine's Day, February 14, is likely to bring with it an extra demand for cut flowers. H. R. Hughes, the Van Buren street florist, is cultivating a special demand for that day by the circulation of a four-page folder, attractively gotten up and embodying a St. Valentine story. Incidentally, the folder announces the preparation of "Special Valentine Boxes of Flowers" at \$1, \$2, and \$3 each, and suggests also the use of potted seasonable flowering plants. In addition, Mr. Hughes has a very fine window setting typical of the Valentine season.

The first document recorded in the new office of the county recorder was filed at 8 o'clock, January 27, 1908, by Miss Cecelia Cannon, 16 Grant place. This was an assignment of a lease from Henry Koropp to George M. Hingworth, for a nominal consideration. The property involved consists of the greenhouses, palm house and store, 100 by 152 feet, on the west side of Clarendon avenue, 143 feet south of Sheridan road. The original lease was from Albert Fuchs to Mr. Koropp. Mr. Fuchs granted a lease for five years from July 1, 1905, at \$65 a month for three months and \$70 a month for the remainder of the time. The lessee is granted the right to make five-year renewals of the lease at an increase of 5 per cent. in the rent.

Vaughan & Sperry are getting daily some extra fine quality double violets from the New York district.

It is understood that the committee appointed by the Chicago Florists' Club to arrange for quarters for the convention of the American Rose Society have not yet determined upon a suitable building, but will no doubt be able to make a satisfactory report at the meeting of the club next week. The rose growers here are taking great interest in the convention exhibition and it is expected that the exhibits of American Beauty rose to be staged by them will eclipse any staged at previous shows.

The Poehlmann Brothers Company are fortunate in having a good cut of almost all the varieties of roses they grow at the present time. Some Richmond received on Tuesday had 50 inch stems. The firm is shipping daily some very fine tulips, particularly Proserpine.

The new rose, Mrs. Potter Palmer, is in excellent shape just now, and a fine staging of it will be seen at the forthcoming exhibition. A nice shipment of stock of this rose was made to Great Britain recently.

E. H. Hunt is displaying a nice line of heart-shaped flower boxes, and fan and plant boxes, for St. Valentine's Day requirements. J. H. Parham.

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Branch Laurel, 50c per bunch
Sphagnum Moss, 50c per bunch; 5 bags \$2.00

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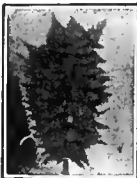


Fancy or dagger, \$1.00 per 1000.
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Send us your orders and be pleased.
LEUCOTHOE SPRAYS, bronze or green, 40c per 100. Ground Pine, 7c per lb or 5c per yard.

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HARDY CUT FERNS



FANCY and DAGGER, Extra fine, \$1.50 per 1000. BRONZE and GREEN GALAX, \$1.25 per 1000, \$7.50 per 10,000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000. SPHAGNUM MOSS, 50c per bunch, 3c, 50 lbs., \$7.50. FANCY and DAGGER FERN our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

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THE "JAPANA" Cut Flower Holder

A handy article for florists. Sells to the trade on sight. Made of glass in three sizes.
The "Angels" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.
M. V. GARNSEY, 132 F. Waiola Ave., La Grange, Ill.

The simplicity of this Cover is one of its great features. Merely send Cover with the plant and a child can trim it. Water proof, durable, economical. Made on a cardboard frame covered with waterproof crepe paper, and tied neatly with wood fibre ribbon at top and bottom. Send thirty cents in stamps, and we will mail you three covers to fit a 6-in. standard pot, a 7-in. Azalea, and an 8-in. pan. Ever Ready Flower Pot Cover Co., 110 Hughes Ave., Buffalo, N. Y. W. H. Grewer, Mgr.

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SPHAGNUM MOSS
\$1.50 per bbl. bale; in burlap \$2.00.

PEAT \$1.00 per 1-bbl. bag.
E. R. Baker, Pier 34 N. R., New York City

Commercial Violet Culture Price \$1.50
The Florists' Exchange, 2 to 8 Duane St., N. Y.

Kalamazoo.

News and Trade Notes.

The latter part of January finds us again in the midst of severe cold and stormy weather. For the past week and more blizzards have been raging, with the thermometer hugging the zero mark. The coldest night marked 8 below—the coldest of the season so far. Naturally, under these conditions stock does not come in very fast, and as there has been quite a large amount of funeral work going on nothing of consequence is carried over. Social affairs may be said to be quieter than usual; but shipping trade is good.

Inquiries among the retailers do not show any extra demand for McKinley Day and so far as its becoming an extra day for business the prospects are poor. I do not find much enthusiasm among the growers about the new carnations, either of last year's productions or those of the coming season. Beacon is well spoken of, and Winsor grows in favor. Aristocrat splits quite a bit, besides showing an ink tinge on the edge of its petals, which detracts from its beauty.

H. Fisher & Company opened a branch store in Battle Creek on January 28, which, according to the Battle Creek papers, caused considerable interest among the flower lovers of that enterprising city. Mr. Fisher says the prospects there are good for working up a satisfactory business.

W. C. Cook, late of the Central Nursery Company, expects to leave the city to journey to Alabama, where he has accepted a lucrative position with a nursery firm there. He takes with him the best wishes of the trade.

Miss Clara Dunkley, of the late Dunkley Floral Company, was married last week to a gentleman connected with the local press. S. B.

Boston.

The Week's News.

Frederic Law Olmsted was the speaker at the meeting of the Massachusetts Horticultural Society on Saturday; unfortunately it was a very stormy day and the attendance was not as large as usual. The subject was "The Treatment of Home Grounds," and Mr. Olmsted briefly outlined methods of making them attractive, creating considerable discussion at the end of the lecture. On February 15, the speaker will be John Dunbar, Rochester, N. Y., who will have for his subject "Hardy Conifers for Private Grounds."

William McGilivray, who has been for several years employed in Weld Gardens, Brookline, has taken the position of gardener to J. S. Bailey, West Roxbury.

P. H. Waechter, Walpole, is having a fine cut of sweet peas and violets at present which are selling readily in the hands of George Cartwright in the Park street market.

Thos. Pegler is suffering from a sprained wrist, the result of a fall caused by a defect in a sidewalk in front of the Park street church.

T. J. Butterworth has now a fine lot of Ladia anceps in bloom, as well as a quantity of the white variety. Mr. Butterworth finds a steady and increasing demand for all kinds of well-grown orchid blooms.

James Farquhar talked before the North Shore Horticultural Society on Thursday, his subject being "Hybridization and Breeding of Plants."

George W. Butterworth made a flying trip among the New Jersey orchid growers last week.

A. H. Hewes & Company, the world's largest flower pot manufacturers of Cambridge, are now running their factory to its full capacity after a partial curtailment for the past month, during which time they have made heavy additions to meet the constantly increasing demand for their goods. They have installed two new boilers, kilns, dynamo and special machinery for preparing clay. The firm has maintained for a number of years a large warehouse in Long Island City and has now opened a similar branch in Chicago to facilitate the handling of its Western business. The officials of the company have always in mind the welfare of their employees and have provided for their amusement a large recreation room, 25x35 feet, with pool and billiard tables and various other games and reading matter. The outlook for business is bright, and the prospects are that the plant will be run to its full capacity for the coming year.

The meeting of the Gardeners and Florists' Club on the 18th inst., will be carnation night. The principal speaker will be W. R. Pierson, Cromwell, Conn., who is well known as one of the brightest young men in the trade, and the February meeting will undoubtedly be the banner one of the season.

Wm. M. Robertson, a grower well known in this locality some years ago, died January 29, from an attack of pneumonia, aged 65 years.

Joseph F. Free, the well-known salesman in the Park street market, slipped on the ice on Saturday afternoon, breaking his arm in two places.
J. W. DUNCAN.

NEW BEDFORD, MASS.—Trade the past week has been very dull. Carnations are coming in of good quality; they retail at 60c, and 75c per dozen. Roses are selling for \$2 per dozen. Violets have been in very good demand, retailing at \$1 per 100. Some good bulbous stock is arriving.

H. A. Jahn is cutting large quantities of his carnation Lloyd; he is sending out large batches of cuttings.

S. S. Peckham, Fairhaven, is listing about thirty varieties of carnations; his range consists of about 12,000 square feet of glass.

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10,000, \$1.75; 50,000 \$7.50

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This is **The British Trade Paper**, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowtham, Notts. Address

Editors of the "H. A." Chillwell Nurseries, Lowtham, Notts.

European Agents for THE AMERICAN CARNATION

Heating.

Growers' Problems Solved by U. G. Scollay.

We have a 30 horse-power tubular, bricked in, all new boiler, made by a first class maker, used for hot water heating. We have been running it since November. First, we had the stack, which is steel, 20-inch diameter 10 feet high, set on a 3-foot base about even with the boiler and connected to same with the smoke pipe. The smokestack drew dampness, so that water ran down it in streaks and checked the fire. The only remedy to relieve this somewhat was to let the fire burn with full draught, but as soon as we closed the damper it would sweat again. The pit, boiler and tubes are dry. We inquired in our vicinity what the trouble might be, but nobody could tell us. We then took the advice of our boiler maker, who puts up more stacks than any other man in our locality, but he never heard of a case like ours, advised to change it, thinking the dampness came from the boiler and set the stack directly on the boiler, but this gave us no relief whatever. Our plant is located on a high, dry, gravelly place and the stack is 10 feet above all obstruction.

We were told by some that the dampness came from the air, but why would this only affect us when these steel stacks are used with good results by others, a quarter of a mile from our place. Kindly give us your opinion if the dampness comes from the air or the ground, also if you have ever heard of a similar case? If not, could you direct us to somebody who could perhaps find the cause as to where the dampness comes from? E. J. F. CO.

New Jersey.

It is quite evident that water or vapor of water, is going up the stack and condensing therein as soon as it reaches the iron walls of the stack against which the outer cold air is blowing. If there was no moisture there could be no condensation. Where does the moisture come from? You say it did not come from the ground or from the atmosphere; I agree it is not in the atmosphere in sufficient quantities to be material. Therefore, it appears to me that there are but three places from which it could come. First, the ground or a very wet ash pit; second, the coal, if this is kept deluged with water; and, third, from a leaky boiler. In view of your neighbors having no trouble I am inclined to lean to the leaky boiler idea, until it is demonstrated that the boiler does not leak. If the apparatus was shut down this could readily be proved. I assume, however, the apparatus has been running since it was first started this fall, and that the only way, while running, to form an opinion is to note how much fresh water is run in an hour. Now if you have any long underground masonry flues, running between the boiler and the chimney, water might get into them the same as the ash pit. Make sure. The symptoms, from the information at hand, would point to a leaky use any particular grate? H. B. D. Z.

In your issue of January 4 last you kindly gave me some information on heating with oil steam boilers, but you do not say anything as to economical use of a large boiler. Will the consumption of fuel be much greater than with a boiler made for greenhouse heating; also would the large boiler have a larger capacity in houses of the size mentioned than these? Would it be advisable to use any particular grate? H. B. D. Z. British Columbia.

The boiler that you referred to in your first letter, and to which I replied in the issue of The Florists' Exchange of January 4, as the larger of the two, I was compelled to approximate quite a little. The size of the firebox leads me to believe that it was originally made to burn wood for fuel. I think it would be best for you to send me further particulars regarding this boiler. From your description I assume that it is a horizontal firebox tubular one. I want to know the length of the tubes as well as the diameter, and also the diameter of outside of boiler. If my surmise is correct that the firebox was designed for wood as fuel, I can then the better tell you the correct power of the boiler, and also let you know how large a grate you will need for your purpose for coal.

A boiler larger than is absolutely necessary to perform a given amount of work is always economical. This latter statement I mean to be taken in reason, however. A boiler made to meet the special requirements for greenhouse purposes as, in the opinion of the writer, much better than any old boiler picked up at random. This applies to greenhouse boilers made of cast iron, or the wrought steel type. There are many of either type and style at present on the market, and each has its merits. Look over the various advertisements in The Florists' Exchange.

One of the many special grates on the market, of the shaking and dumping type, will nicely go into the boiler, and your nearest local boiler maker will be the best person to see for that. I will give you the size, and as he is on the ground it will be best to have him look it over. When I learn the exact capacity of the

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Pint \$1.50
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THE WHILLDIN POTTERY COMPANY THE LARGEST MANUFACTURERS OF STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

boiler, I will be able to reply to your question about greater capacity than the houses you mention.

In your first letter you said something about violets, carnations, cucumbers, etc. Bear in mind that each of these requires different temperatures, that you cannot grow good violets at 55 degrees, and that cucumbers need more heat than any of those other plants you mention. U. G. SCOLLAY.

Pittsburg.

News Notes.

For the last week or so we have had a touch of genuine Winter weather, the thermometer hugging the zero point and high winds prevailing, so that it was hard work to keep the proper temperature in glass houses. Business suffered somewhat on account of the cold, but there seems to be plenty of stock. Prices remain about the same on carnations and roses. Bulbous stock is plentiful and cheap; tulips are coming in of good quality. A lot of lilac is being cut and selling fairly well. Plant trade is very dull at wholesale as well as retail; the hard times have some effect.

Charles Erhart of the North Side Market made a trip to Fort Wayne, Ind., and visited W. J. & M. S. Vesey's greenhouses, where he found things in fine condition.

E. C. Ludwig writes from Los Angeles, Cal., where he is at present with his family, and is having the time of his life; he certainly escaped the tough weather in good time.

A bulletin of the Agricultural Experiment Station of Nebraska, just issued, should be of great interest to carnation growers; it treats on bud-rot of carnations and a mite accompanying the bud-rot of carnations, with illustrations and explanations of same.

The first competitive flower show of the Florists' Club takes place this week and carnations are to be exhibited, for which prizes will be awarded to commercial men and private growers; the latter prizes are offered by A. T. Boddington, New York. E. C. REINEMAN.

ROCHESTER, N. Y.—At present writing we are in the midst of terrific blizzards, much snow and zero weather. However, we are glad it has checked the gripe ravages, and hope that it will augment business in many ways. Several large lanterns have occurred here, using considerable material for decorations. Roses and carnations are being disposed of with no advance on last quotations; and sweet peas, tulips, daffodils, Paper White narcissus, etc., are to be had at normal prices.

Indications bid fair to strengthen the belief that an association of growers and retail men is under way, and while nothing is definite, hopes are entertained of its ultimate formation.

H. E. Wilson has leased the greenhouses on the A. Townsend homestead, East avenue, and expects soon to have them occupied, steam having already been started.

Since the death of Mr. Lacy, the South avenue floral store has been permanently closed. COCKNEY.



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SHEEP MANURE

Pulverized. Free from all Adulteration In Bag, \$18.00 per Ton.

ROBERT SIMPSON, CLIFTON, N. J.

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN, 104 BOYLSTON ST., BOSTON, MASS.

Detroit.

News and Trade Notes.

January business averaged better this year than last. Prices keep at the same level with an increased supply in every line except violets, which are short. The outlook is considerably brighter with bookings for large decorations ahead. Wm. Brown has a large job decorating for the junior hop at the University of Michigan in Ann Arbor.

Hugo Schroeter and J. E. Sullivan are both about, although weak from the gripe, which handled both of them rather roughly.

A large procession of unemployed called on the local mayor without success. Our genial big-hearted Park Commissioner, Phil. Breitmeyer, saw an opportunity and will employ several hundred of them for two months digging canals at Belle Isle.

Local lettuce growers are having a very hard time. It seems the price cannot be forced up to a living figure; lettuce selling at 6c to 8c a pound. Of late years the local growers have obtained almost phenomenal prices and the old evil, one is tempted to say, of increasing the product has been indolized in. FRANK PANZER.

KANSAS CITY, MO.—Sam Murray has been elected official florist of the Kansas City Passenger Agents' Club.



Standard Flower Pots

Table with columns for Price per crate and Price per pot. Includes rows for 1500 2 1/2, 1500 2, 1000 3, 800 3 1/2, 600 4, 320 6, 144 6.

Seed pans, same price as pots. Send for price list of cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y. August Bolker & Sons, Arts., 21 Barclay St., N. Y. City

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Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices. The Pulverized Manure Co., 34 Union Stock Yards, Chicago

Commercial Violet Culture

PRICE, \$1.50 The FLORISTS EXCHANGE, 2-8 Duane St., New York

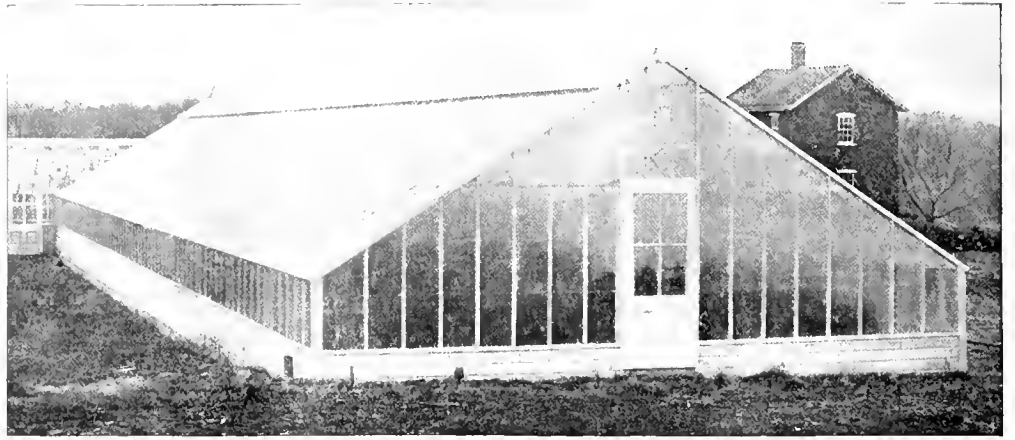


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A great improvement on the all wood house and less costly than the ALL IRON FRAME

HITCHINGS & Co.

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St. Louis.

News Notes.

Robert Thompson, the local greenhouse builder, reports that he has quite a few contracts on hand for new houses, on which work he will begin this Spring.

Charles Flunker, an old and respected florist, died the past week after a long spell of sickness, at the age of 73 years. Mr. Flunker had quite a place at 3727 Tennessee avenue and his last request was that his friends, Frank Fillmore, Emil Schray, John M. Walther and Conrad Bergestermann, be his pall-bearers, and his request was granted. The funeral took place Thursday, January 30, from his late residence. Mr. Flunker had many friends in the trade who extend to the widow and children their deepest sympathy.

The Union Station Flower Basket was at the Odeon Charity entertainment last week. Those who attended were supposed to drop cut flowers in the basket at the door; these are taken to the different hospitals the next day. The large basket was completely filled the first night.

The members of the St. Louis Florists' Club should not forget that on next Thursday afternoon the club holds its annual carnation exhibition in the Burlington Building. Secretary Bentzen says that he is promised a fine lot of new varieties from carnation growers all over the country. These, with the displays by our local growers, should make this the largest exhibition ever held by the club. A large attendance is looked for, as all in the trade are invited to attend, regardless of membership. The trustees will stage the flowers of outside exhibitors.

Baltimore.

Trade Notes.

Large quantities of good carnations are now upon the market; the prices obtained are somewhat below those of last year at this time. Roses are not plentiful; none of our commercial growers are handling American Beauty.

The Gardeners' Club has appointed a Spring show committee, consisting of C. L. Seybold, E. A. Seidewitz, F. H. Moss, George Morrison and N. P. Flitton. This committee will meet this week and arrange matters, and report at the next meeting.

A number of visitors from the American Carnation Society's convention at Washington visited Baltimore growers on their return home. F. W. Kelsey, New York, and F. Leutschlager, Chicago, were also in town.

The beautiful grounds and buildings of the old Maryland school for boys have been purchased by Major R. M. Venable, president of the Park Board, and added to the Gwynn's Falls Park in the Carroll Park district. C. L. S.

SPRINGFIELD, ILL. Local members of the Illinois State Florists' Association are planning for the entertainment of fellow flower growers during the annual convention in this city February 18-19. It is the intention to have the coming gathering the best in the history of the association. Albert T. Hey of this city is president of the State association, having been elected last year at Bloomington. The other of-

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ALL SIZES

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BY USING

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One cent gets our catalog.
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A STANDARD PUMPING ENGINE

which is a GOOD GAS OR GASOLINE ENGINE AND A GOOD HIGH PRESSURE PUMP.
BOTH IN ONE MACHINE
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USE THE BEST.
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are used by leading growers everywhere. Send for price list and descriptive circular.

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Washua, N. H.

SECOND HAND PIPE & BOILER TUBES

Of all sizes, in good condition, suitable for steam purpose, coupled and threaded, for sale at low rates.
5000 feet 1 inch pipe, 5c per ft.; 5000 feet 1 1/4 inch pipe, 6c per ft.; 2000 feet 1 1/2 inch pipe, 5c per ft.; 2000 feet 2 inch pipe, 6 1/2c per ft.

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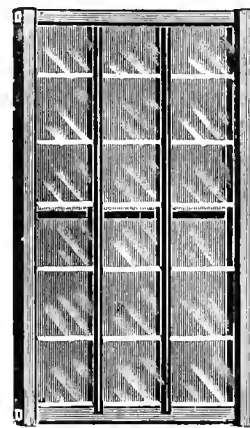
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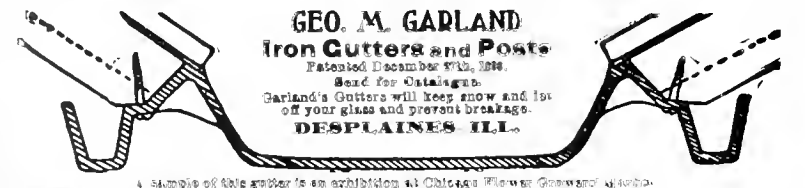
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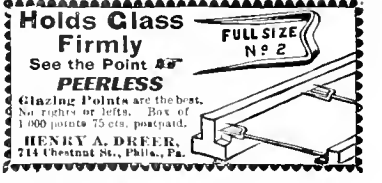
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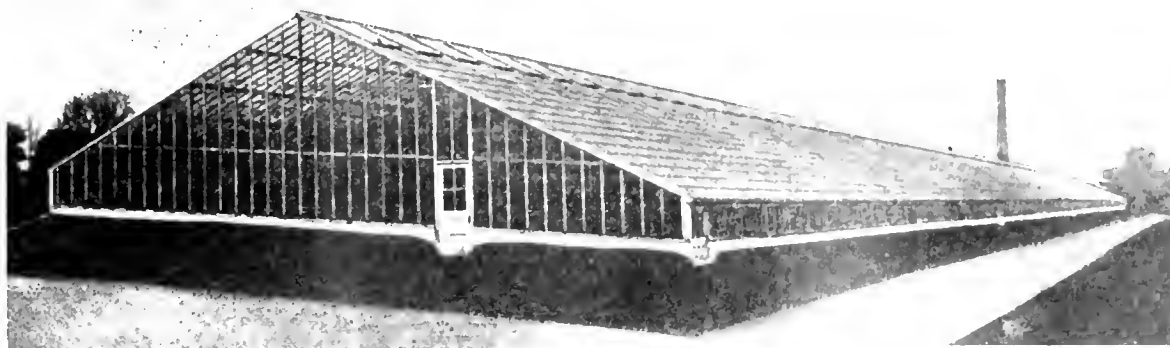
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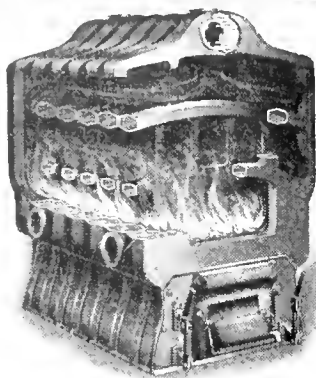
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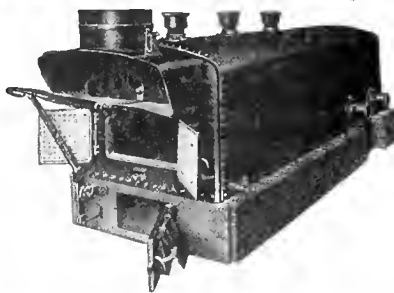
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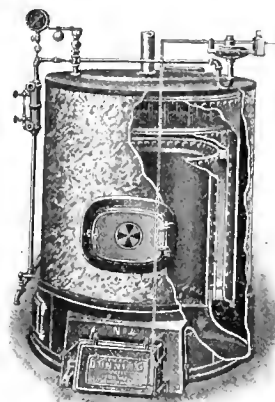
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VOL. XXV. NO. 7

NEW YORK AND CHICAGO, FEBRUARY 15, 1908

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 George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

Editor Florists' Exchange:
 We are glad to inform you that the unfortunate differences which have arisen between our houses have been amicably adjusted and, we hope, for the good of the seed trade.
HENRY A. BREER,
W. A. LILL, BREER & Co.,
 Philadelphia, Pa., February 8, 1908

DETROIT, MICH. The Lohman Seed Company will erect a new store at Grand avenue and Randolph street, to cost \$1,000. Building operations will commence at once.

DALLAS, TEX. The Holloway Seed and Floral Company has amended its charter, changing its name to the Robinson Seed and Plant Company and increasing its capital stock from \$25,000 to \$70,000.

MICHIGAN BEANS. At a recent meeting of the Michigan Bean Growers' Association in Detroit, statistics presented showed that last season's crop was about 65 per cent. of the preceding season with about four million bushels still available for consumption. The estimated average in the State last year was over 375,000.

Seed Trade Notes.

The real Winter weather of the past two weeks, in fact, ever since February came in, has considerably curtailed the retail trade, especially counter business; mail orders, of course, keep coming every mail, but with quite a little less volume than during the last days of January. As regards wholesale orders, they also have slackened somewhat, with the heavy falls of snow and continued severely cold days, but as most of the large houses have plenty of advance orders still unfilled, there has been no lack of work this past week.

As regards the short seed items it would seem to be turning out that quite a little sweet corn, onion, and certain varieties of peas were being as usual discovered at "the price." We must have all realized for some years that this country of ours has many sections, and for a consideration there can almost always be found enough to go around. The seeming high prices for seeds this season are not by any means an unmixed evil; but to profit substantially by the advance we must see to it that we do not fall back into the old rut of prices that leave no proper margins of profit for either the seed grower or the seedsmen. Retail prices are too low.

Several times in my notes during the past few months, I have called attention to the fact that the very high values for grass and clover seeds would just as soon as the advance orders for the Spring of 1908 began to be placed make much trouble. Every day is now seeing arguments between buyer and seller over this question; for when the only must be sold to the planter for over \$3 per bushel, red clover for more than 20 cents a pound, and Red Top grass seed for 15 cents or so a pound there begins to be trouble. We will have plenty of fault finding over the grass seed question this year, surely.

Many seedsmen who did not contract a year ago for their supplies of seed potatoes are finding it not by any means an easy matter to supply their needs; that is, at anything like the average rates. This is not strange, as the potato crop as a whole has averaged very nearly twice the prices per bushel that it did a year ago.

VICK'S ASTER SEED
THE STANDARD OF EXCELLENCE

Vick Quality ASTERS
 INTRODUCED BY US GROWN EVERYWHERE
 Vick's Branching (8 colors)
 Vick's Snowdrift
 Vick's Royal Purple
 Vick's Lavender Gem
 Vick's Daybreak
 Vick's Purity
 Vick's Sunset
 Vick's Mikado
 Vick's Cardinal
 Vick's Violet King
HOW TO GROW ASTERS, Revised
 Full of information for Aster Growers.
 Price 10c.
 Free with an order of Aster seed.
FLORISTS' NOVELTY COLLECTION
 Six of our latest introductions including Sunrise (New) and Early White Branching (New).
 Vick's Early White Branching \$0.25
 Vick's Imperial Aster Sunrise .25
 Vick's Violet King .20
 Vick's Cardinal .25
 Vick's Lavender Gem .25
 Vick's Rosy Carmine .25
 How to Grow Asters .10
 \$1.55
 All of the above, including our "Aster Book for Florists" for 90c.

SEND FOR OUR NEW Illustrated and Descriptive Aster Book for Florists

It describes in detail, not only the varieties originating with us, but also all other leading sorts.
 The largest and handsomest work of its kind ever issued.
 Intended only for wide-awake florists who appreciate the fact that

The Best Quality is Always the Cheapest
 Mailed free upon request.

JAMES VICK'S SONS
ROCHESTER, N. Y.
 The Leading Specialists and Largest Growers of High-Grade Asters in the World.

Two New Varieties for 1908

VICK'S IMPERIAL SUNRISE
 A novelty of extraordinary merit. Seedling from Vick's Daybreak, but distinct in form of flower, each petal being perfectly quilled. Color delicate pink. Plant a robust grower, upright branches, each crowned with magnificent double flowers, three to five inches in diameter. Type securely fixed. Sure to be a winner. Packet 25c; two packets or more 20c. each.

VICK'S EARLY BRANCHING
 Developed from Vick's Late Branching. Flowers of this new variety can be placed on the market ten days ahead of Late Branching sorts. Plants have few branches which are free from side buds, the whole strength of the plant being given to the development of large perfectly double flowers. Long stems. Two colors, White and Rose. Packet 25c; two packets or more 20c. each.

For prices in quantity see our "Aster Book for Florists."

OTHER FAVORITE VARIETIES
 Hohenzollern Early White Fleece
 Empress Frederick
 Semple's Branching Pink
 Hohenzollern Late Early Wonder
 Giant Comet
 Queen of the Market
 For prices see our "Aster Book for Florists."

FORMOSA LILIUM LONGIFLORUM

Ends the Growers' Trouble.—
Absolutely Free from Disease.

Stokes Standard Seeds.
I am a MARKET GARDENER'S SEEDSMAN
Send me in your list of wants for next season
You will like my stocks and my prices.
Wholesale list ready.
Stokes Seed Store
219 Market Street, PHILADELPHIA

JAPANESE BULBS. According to reports received from Japan, there is to be a decided advance in the price of bulbs this year. It seems that the later dug bulbs of *Lilium longiflorum* and *L. multiflorum* are usually held in hand by the growers until quite late in the season, when belated orders come in and they can be unloaded at quite satisfactory figures. The late dug stock in 1907, for some reason or other, has not realized anywhere near the usual prices; in fact, orders did not materialize to any extent, with the result that the stock has had to be marketed through the auction rooms in London, England, and has fetched very low figures. In addition to this, the crops last year suffered materially from floods, and, as would seem a natural consequence, the growers are not planting so many bulbs this year. The variety *L. giganteum* has done better than those above mentioned, both in the fields and in the markets. The bulbs have, however, jumped from 10 to 25 yen per bushel, and next season's crop of forcing bulbs will be advanced accordingly. *Lilium auratum*, in large sizes, will be very short, and *Lilium album* is the scarcest of any; in fact, the growers will not sell *L. album* unless other varieties are ordered at the same time. The probable advance on Japanese lilies will be from 15 to 20 per cent. over 1907 prices.

European Notes.

At last we have a clear board and are able to take a survey of the remnants that are left. It must be admitted that they are a sorry lot, and filling up orders stand a very poor chance of being completed.

The seed of our latest of all crops, New Zealand spinach, has at last dried up and is ready for shipment. The money spent in drying and curing is more than the seed itself will realize. The culture of this article for market is on the increase in Europe; the English gardeners (the most conservative in the world) are beginning to realize its value.

While the trade in sweet peas in general is booming it is evident that the very dark blue and purple varieties, such as David R. Williamson and Horace Wright, are losing popularity. As the crop of these was fairly good, this is somewhat of a disappointment to the growers. Any good pink sells like hot cakes.

In the ragged remnants referred to above spinach is almost entirely lacking; the sales of all varieties having been very heavy. As was to be anticipated, the knowledge of this and the continued high prices of grain, have stiffened the backs of the growers and higher prices have been exacted all round.

The ruinous competition from Holland is bound to wear itself out, and the increased cultivation of sugar beet makes it difficult to place crops like spinach and peas on the best seed growing land. As, however, some of the dwarf peas most desired by the Dutch growers are a drug just now, we are not likely to suffer much inconvenience.

The Lecerton business not having found a purchaser the stock will be offered for sale in a few days. Some of the employees have started business in another part of London and hope to retain some of the trade.

The grippe is playing havoc among us just now; George H. Dicks is one of the latest victims. EUROPEAN SEEDS.

"Sweet Peas and Their Cultivation, for Home and Exhibition."

This very handy volume is written in the genial and lucid style of the deservedly popular secretary of the National Sweet Pea Society of England.

It is written entirely in the interests of the amateur and especially for those who have the intention of competing for some of the valuable prizes offered at the London and Dublin exhibitions. It is well printed on good paper, is freely illustrated with beautiful half-tone re-

productions of some of the best of recent novelties and although a considerable amount of advertising matter has been bound up with it it can be carried in the coat pocket with ease.

In its 90 pages will be found articles on The Cult of Sweet Peas, History and Development, The Cupid and Bush Sweet Peas, The Best Sweet Peas, a most valuable chapter full of information, Soil Preparation, Seeds and Seed Sowing, Staking and Tying, Watering and Manuring, Points for Exhibitors, Diseases, etc.

As it is the only work of the kind in existence it will no doubt find a ready sale. While the cultural directions are especially adapted for the British Isles and Northern Europe they are equally applicable to any temperate climate.

The book can be obtained from the "Amateur Gardening" office, Aldersgate street, London E. C., price 25 cents, or bound in cloth 35 cents plus 4 cents postage in each case. S. B. D.

NOTES FROM HOLLAND.—We are passing through a very severe Winter in Holland. The intense cold has interrupted work in the fields and on the bulb farms. A movement has been set on foot to open classes for those interested in plant growing, with the aid of a contribution from the government. These classes assemble four times a week during the evenings only. They are very well attended and prove to be a success in every way. The classes are held in the centers of the bulb-farming districts at Lisse, Hillegom, Voorhout and Noordwyk. Admission is either entirely free or at a nominal cost. The teaching is done by experts, and the subjects on the program are: Practical Growing, comprising examination of the soil; preparing the soil in some special cases to prevent disease or to fight against it; How to Recognize Disease; Manuring; Knowledge of Varieties and How to Choose them for different purposes; Hybridization, etc. Instruction is also given in the chemical department and on the life of plants, such as their growth, feeding, breathing, seedling, etc. The classes are attended mostly by the younger members of the profession, although the older members are considering the advisability of forming special classes for themselves. Heretofore, similar schools have been in operation at Boskoop, Aalsmeer and other centers in Holland where nursery stock is grown, but this is the first instance of classes being established in the bulb districts and much good is likely to result therefrom.

We learn from several countries of Europe that some difficulty is being experienced in bringing hyacinths into flower. This must be attributed somewhat to the cold Summer of 1907. As regards the coming stock for the Summer trade, we are basing our calculations on having the same quantity as last year, provided nothing interferes with present indications. J. B.

CATALOGUES RECEIVED.

WILBUR A. CHRISTY, Kinsman, O. Wholesale Price List of Mapleshade Gladioli. Illustrated.

YUENS GARDENS COMPANY, Newburgh, N. Y. Illustrated Catalogue of Vegetable and Flower Seeds, Bedding Plants, etc.

CHARLES F. SAULS, Syracuse, N. Y. Wholesale Price List for the Trade only of Garden, Field and Flower Seeds, Poultry Supplies, Tools and Implements.

T. J. DWYER & COMPANY, Cornwall, N. Y. Catalogue of Hardy Fruit and Ornamental Trees, Shrubs, Vines and Roses. Illustrated. This firm was established in 1884.

OTTO KATZENSTEIN, Atlanta, Ga. Descriptive Price List of Cereals canadensis alba, Kudzu Vine, Fern-leaved Staghorn Sumac, and American Purple Fringe or Smoke Tree. Illustrated.

RALPH M. WARD & COMPANY, New York. Catalogue of Lily Bulbs. Handsomely illustrated, showing views of Lily Growing in Japan, Plants of the New Lilium Wardenal and other attractive features.

Gold Medal Seedling Canna "LONG BRANCH"

A cross between Queen Charlotte and Italia, tough, leathery, green foliage. The flowers resemble a giant flowering Queen Charlotte in the Orchid-flowering class, being bright crimson with wide, irregular border of yellow. Exhibited at Jamestown, where we were awarded a Diploma and Gold Medal. Price 30c. each, \$3.00 per doz., \$25.00 per 100.

New Seedling Canna "NEIL CAMPBELL"

Of special worth on account of its color, which is a deep orange yellow. Good size flower and very free and early. Foliage is dark purple and with the orange flowers make a fine show. Price 30c. each, \$3.00 per doz., \$25.00 per 100.

W. G. EISELE, West End, N. J.

Surplus Holland Plants

at Greatly Reduced Prices

- Roses** Dwarf H. P., Hybrid Teas, Standard.
- Rhododendrons** Parsons, Catawbienae.
- Azaleas** Mollis, Pontica (hardy Ghent.)
- Boxwood** Bush form, pyramid, standard

H. M. HARDYZER, Boskoop, HOLLAND

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FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN**, the best

Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid on receipt of 40c. in postage stamps. Address **American Spawn Company, St. Paul, Minn.**

TWELVE ACRES OF PEONIES

FESTIVA MAXIMA, \$20.00 per 100;
QUEEN VICTORIA, WHITTLEY, \$9.00 per 100;
FRAGRANS (Lat. Rose), \$6.00 per 100. For 1000 rates and other varieties, write

GILBERT H. WILD, SARCOXIE, MO.

R. & J. FARQUHAR & COMPANY, Boston, Mass. Farquhar's Annual for 1908, being a comprehensive catalogue of Vegetable, Fern and Flower Seeds, Plants, Bulbs, Aquatics, Hardy Perennials, Roses, Ornamental Shrubs, Conifers, Fruit Trees and Small Fruits, Fertilizers, etc. Handsomely illustrated with beautiful half-tone cuts, the cover designs being especially attractive, representing, in color, *Tritoma hybrida* Express and *Trollius japonica* Excelsior.

VAUGHAN'S SEED STORE, Chicago. Illustrated Catalogue of Vegetable and Flower Seeds, Bulbs, Plants, Perennials, Peonies, Phlox, Small Fruits, Shade and Ornamental Trees, Supplies, etc. This is the thirty-first annual catalogue of this well-known house and it is replete with useful information. Some sixteen pages of the catalogue are required for an enumeration of the firm's offerings in Vegetable and Flower Seed Novelties and Specialties. The cover designs are very attractive, showing collections of Vegetables and Sweet Peas in color.

LIVINGSTON SEED COMPANY, Columbus, O. Catalogue of Vegetable and Flower Seeds, Plants, Bulbs, Roses, Hardy Perennials, Small Fruits, etc. As is well known, the tomato forms one of this firm's specialties, a beautiful reproduction of the fruits of Livingston's New Careless Tomato forming an attractive cover design. There is also an insert showing, in color, the New Giant Flowering Nasturtiums. The catalogue is profusely illustrated, and contains well selected lists of novelties and specialties. Also Wholesale Price List of "True Blue Seeds."

CANNAS

Our stock is true to Name. Extra Selected, plumb, sound, 2, 3, 4-eyed roots.

- | Per 100 | | Per 1000 | |
|--------------------|--------|-------------------|--------|
| Alphonse Bonvier | \$2.00 | Florence Vaughan | \$2.50 |
| Austria | 1.20 | Italia | 2.00 |
| Allemania | 1.75 | Mont Blanc | 6.00 |
| Alba Rosen | 2.00 | Mme. Crozy | 2.50 |
| Barbank | 1.20 | Mrs. K. Gray, new | 2.00 |
| Black Prince | 2.00 | Paul Marquant | 2.00 |
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| Comte de Buchaud | 2.00 | Robusta, bronze | 1.50 |
| D. of Marlborough | 3.00 | Sec'y Chatham | 2.00 |
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| Pennsylvania | 2.00 | Express, new | 4.00 |
| Mertie Washington | 2.00 | Musaeolia | 1.10 |
| Cladiator, new | 4.00 | Queen Charlotte | 2.00 |
| Brandywine, new | 3.00 | King Humbert | 12.00 |
| Premier, goldedge | 2.25 | Dahlias named | 3.75 |

Best mixed, \$1.00 per 100; \$10.00 per 1000. Full description of above and many more varieties of Cannas, Dahlias, Caladiums, Gladioli, Tuberoses, etc. Mailed free.

SHELLROAD GREENHOUSES
GRANGE, BALTIMORE, MD.

Established 1900
POAT BROS.
BULB GROWERS
FORMERLY OF ETTRICKS, VA.
GIVE NOTICE OF
CHANGE OF LOCATION
(Owing to Largely Increased Business)
All Communications Must Now be Addressed
POAT BROS., BULB GROWERS
NORTH SIDE, HIGHLAND PARK
RICHMOND, VA.

Vegetable Plants
LETTUCE PLANTS
Grand Rapids, Boston Market and Big Boston, 25c. per 100, \$1.00 per 1000.

TOMATO
Mayflower and Lorillard, 50c. per 100.
R. VINCENT, Jr. & SONS CO., White Marsh, Md.

CANNAS

Fine stock, all good, 2 and 3 eye, 10,000 mixed Cannas, all green-leaved varieties, \$15.00 per 1000.

J. E. Sambrook Co., - Berlin, N. Y.

DAHLIA ROOTS

Strong field grown, all good cut flower varieties. Also **KALMIAS** and other native plants.

J. M. BASSETT, Hammonton, N.J.

DREER DAHLIAS

We can still furnish in strong undivided field-grown roots the following varieties of Dahlias. All of these are first-class sorts of their respective types and colors and strictly true to name.

Varieties specially suited for cut flower purposes are marked with an asterisk (*)

CACTUS DAHLIAS

* Allbon. A large, long straight petalled pure white flower with creamy centre of improved form.....	Doz. 1.00	\$1.50
* Aegle. Rich, warm cardinal-red, with peculiarly twisted petals.....	1.00	8.00
* Amus Perry. Flowers very large, with long, tubular petals. Color very red, one of the earliest and freest flowering.....	2.50	15.00
* Attila. Tender mauve pink on the edges passing to a creamy white centre; a beautiful Dahlia of large size and excellent form.....	2.50	15.00
* Alt Heidelberg. Fine orange-scarlet.....	.85	6.00
Arachne (The Spider Dahlia). White edged crimson with peculiarly twisted petals, very variable.....	.85	6.00
* Bessie Mitchell. A fine flower on stiff stems, apricot orange shading to a reddish centre.....	1.25	10.00
* Coronation. Glowing red; a medium sized flower of fine form; splendid for cutting.....	2.50	15.00
Comet. Delicate lilac, pencilled, spotted and striped with tyrian rose.....	1.25	10.00
* Carmen Sylvia. Soft, rosy-carmine, shading lighter to the centre.....	1.25	10.00
Charm. Centre petals white-edged with pale yellow, the outer petals gradually changing to a light blush edged with salmon.....	1.25	10.00
* Clara G. Stredwick. A splendidly flower of very large size, color slimp pink shading to salmon-red in centre.....	1.25	10.00
* Capitan. Soft orange-scarlet, shaded apricot, remarkably free flowering.....	1.00	8.00
* Cornucopia. Vermilion with carmine shadings, long, narrow petals.....	1.00	8.00
Dainty. Ground color lemon-yellow, shading to a soft, glowing gold rose with tip of yellow; truly dainty.....	1.25	10.00
* Else. A charming variety, with a combination of delicate colors. The base of the petals is of buttercup-yellow, gradually passing to amber, finished with a tip of tyrian rose.....	2.50	15.00
Earl of Pembroke. Bright plum color or a royal shade.....	1.00	8.00
Exquisite. Fine pure orange-scarlet with salmon shadings.....	1.00	8.00
* Firebrand. Rich, glowing vermilion, shading deeper.....	1.00	8.00
F. A. Wellesly. Brilliant blood-red suffused with carmine.....	1.25	10.00
* Floradora. A remarkably free-flowering, bright blood red.....	1.25	10.00
* Florence M. Stredwick. Pure white, of large size and perfect form.....	1.25	10.00
* Frute. Pencils and cream describes the color of this beauty; a pleasing soft rose-pink passing to a cream centre.....	1.25	10.00
Freiwilligkeit. Rich glowing scarlet.....	.85	6.00
* Frau Hermine Marx. Beautiful La France pink, a fine cut flower.....	2.50	15.00
* Flora. An ideal white Cactus Dahlia. A large, heavy flower, produced on stout, stiff stems, makes it valuable for cutting.....	2.50	15.00
* Gabriel. Creamy white, edged with vermilion; an improvement on the "Spider Dahlia".....	1.25	10.00
Gen. French. A good-sized flower of good form, of a pleasing terra-cotta color.....	1.25	10.00
Gallard. Rich, glowing scarlet, with long, tubular petals.....	1.00	8.00
Gellert. Full, double, of fine form, scarlet, shading to ruby at base of petals.....	1.00	8.00
* Gen. Buller. Cardinal red, each petal tipped with white.....	1.00	8.00
* Gottelinde. Primrose-yellow, of fine form.....	1.00	8.00
Graf Waldersee. Delicate rose suffused with pink.....	.85	6.00
Hans Sachs. Bright cherry red.....	.85	6.00
* Harbour Light. Brilliant cochineal-red, with a stripe of reddish-apricot through the centre of each petal. The coloring is variable, sometimes the light, at others the dark color, predominating, but beautiful in either form.....	2.50	15.00
* H. W. Sillem. A brilliant, rich, cardinal-red, with deeper shading, flowers of perfect form, and frequently measuring 7 inches in diameter.....	2.50	15.00
Hohenzollern. Rich bronzy orange-red, with gold shading.....	1.00	8.00
Horn of Plenty. Deep carmine-purple; flowers large, long, narrow, twisted petals cleft on ends.....	1.00	8.00
Imperator. Large-sized flower of deep currant-red, with deeper shadings.....	2.50	15.00
Island Queen. Soft lavender pink.....	.85	6.00
J. Bryant. Deep yellow at base, passing to pale yellow with reddish streaks.....	.85	6.00
* J. W. Wilkinson. Rich ruby of fine form.....	.85	6.00
* J. H. Jackson. Brilliant crimson-maroon, very free.....	1.25	10.00
Kingfisher. Carmine-purple, long, narrow petals and finely formed.....	1.25	10.00
* Kriemhilde. The most popular cut flower variety grown to-day; perfect flowers on long stems; color a brilliant pink, gradually shading to white at the centre.....	1.00	8.00
Landrath Dr. Schiff. A most pleasing shade of apricot suffused with rose.....	1.00	8.00
* Lauretta. Base of petals deep amber-yellow, passing to apricot and old-rose on the edges; an attractive combination.....	2.50	15.00
* Leuan. Ground color coral-red, suffused with apricot, shading to salmon-rose on the edges as the flower matures.....	2.50	15.00
Lady Edmund Talbot. Coral red with rosy shadings.....	.85	6.00
Lodestone. Orange-scarlet, large and free.....	.85	6.00
Minnie West. Canary-yellow in centre, gradually shading to white at tips; a good, large flower.....	2.50	15.00
Magnificent. A pretty Dahlia, ground color capucine-lake, passing to salmon-rose at the tips.....	1.25	10.00
Mrs. H. L. Brosson. Large, perfect flowers of a delicate tint of salmon on a yellow ground.....	1.25	10.00
Mabel Talloch. Soft violet-rose with yellow shadings at the base of the petals.....	1.25	10.00
* Mary Service. Apricot, shaded orange, shading to purplish-rose at the tips; a well-formed flower, and a free and continuous bloomer.....	1.00	8.00

Mrs. H. J. Jones. Very large, perfect, rich, bright scarlet with cream edged, occasionally comes self colored.....	Doz. 1.00	\$1.00
Mrs. Carter Page. Glowing deep carmine.....	.85	6.00
Mr. Moore. Fine deep claret.....	.85	6.00
Mrs. Jovett. Brilliant reddish salmon.....	.85	6.00
Oda. Rich crimson carmine of fine form.....	1.00	8.00
Peace. Free-flowering, pure white.....	.85	6.00
Rosine. Glowing crimson with purple shading.....	.85	6.00
Reliable. A very large, bold, striking flower, of a pleasing madder-carmine, suffused with salmon and yellow.....	2.50	15.00
Ringdove. Salmon-carmine centre with yellow shadings, passing to white on the edges, very variable, but always pretty.....	1.00	8.00
Ruby. Deep vermilion centre, shading to ruby-red at the edge of the petals; a rich pleasing color.....	1.00	8.00
* Ruckert. A superb flower of perfect form, a brilliant blood-red with darker shadings.....	1.00	8.00
* Rakete. Rich glowing, fiery-red, of good form.....	1.25	10.00
* Standard Bearer. Rich, fiery-scarlet, very free, and of perfect form.....	1.25	10.00
* Stern. A beautiful pure lemon yellow, very free and one of the best yellows for cutting.....	2.50	15.00
* Shooting Star. (Stern-schuppe) Good-sized flowers, of regular form, produced on stout stems held well above the foliage. Color pure golden yellow; entirely distinct.....	2.50	15.00
* Thuringia. Flowers very large, and always of good form, of a brilliant fiery-red color. A remarkably free bloomer.....	2.50	15.00
Uberflus. Brilliant geranium red.....	1.00	8.00



Vesuvius. Butterscup yellow, striped and spotted with oriental red.....	1.25	10.00
* Victor von Scheffel. An ideal cut flower, of a soft pink, passing to white in the centre; very pleasing.....	1.25	10.00
* Volker. A charming free-flowering pure yellow.....	1.25	10.00
* Uncle Tom. Maroon with darker shadings, almost black.....	1.00	8.00
* Winsome. A fine white of good size and perfect form.....	1.00	8.00
Zephyr. Crimson-carmine, intensified by bronzy shadings at the base of the petals; a fine large flower.....	1.00	8.00

DECORATIVE DAHLIAS

* Admiral Dewey. A rich French purple; very Doz. free.....	1.00	\$8.00
* Black Beauty. Deep velvety maroon, almost black.....	1.00	8.00
* Bronze Beauty. Bright coppery orange.....	1.00	8.00
* Catherine Duer. Bridescent granum-red, a favorite at Newport, R. I., where it is used more extensively than any other variety for cutting.....	1.00	8.00
* Clifford W. Bruton. A fine bright yellow.....	1.00	8.00
* Fire-rain. Cardinal red. A fine cut flower.....	1.00	8.00
Gigantea. A large creamy white.....	1.00	8.00
* Henry Patrick. A fine pure white.....	1.00	8.00
* Lyndhurst. Rich brilliant cardinal-red; a fine cut flower.....	1.00	8.00
Marchioness of Bute. White tipped with rosy carmine.....	1.00	8.00
* Mrs. Roosevelt. Delicate silvery rose.....	2.00	15.00
Oban. Rosy lavender, suffused and overlaid silvery fawn.....	1.00	8.00
* Souvenir de Gustave Dozon. The most sensational Dahlia of the season; a decorative variety of mammoth proportions, which, under ordinary cultivation, will produce flowers 6 inches across, and can be grown to measure full 9 inches. It is of free growth, remarkably profuse-flowering, and pure scarlet in color.....	3.50	25.00
* Sylvia. Soft, pleasing mauve pink, gradually changing to white in the centre, a fine cut flower.....	1.00	8.00
* Wm. Agnew. Rich dazzling carmine red; a grand flower.....	1.00	8.00
* Zulu. Deep maroon with black shadings.....	1.00	8.00

SHOW AND FANCY DAHLIAS

* A. D. Livoni. Beautiful clear pink, of perfect form and very free.....	1.00	8.00
* Arabella. Light sulphur yellow, shaded peach-blossom on edges; a fine flower.....	1.25	10.00

* Bon Ton. A very fine, formed flower of Doz. 1.00	\$1.00	
Chameleon. Flamingo red centre, shading to crushed strawberry, with yellowish blending of a variable flower.....	1.25	10.00
Duchess of Cambridge. Base of petals white suffused pink, nearly tipped dark crimson.....	1.25	10.00
Emily. Solfarino, with white markings, very large.....	1.25	10.00
Elegans. Tyrian rose, tipped white.....	1.25	10.00
Fern-Leafed Beauty. White, each petal edged with dark carmine red.....	1.25	10.00
* Frank Smith. Intense purplish crimson shading almost to black, each petal tipped with white. The most perfect fancy Dahlia.....	1.25	10.00
* Fanny Furlow. A fine deep yellow.....	1.25	10.00
* Grand Duke Alexis. Large, massive flowers, ivory white with a faint tinge of rose at the extremities of the petals.....	1.00	8.00
* John Thorpe. Solfarino rose, of perfect form.....	1.25	10.00
Keystone. Light rose, spotted and striped crimson.....	1.25	10.00
* Miss Browning. Primrose yellow tipped with white.....	1.25	10.00
* Miss May Loomis. White, suffused with soft rose.....	1.25	10.00
Mrs. Stancombe. Straw yellow, suffused amber, striped red and mottled, and tipped blush.....	1.25	10.00
Olympia. Bright rose pink, striped, spotted and pencilled crimson.....	1.25	10.00
* Queen Victoria. Handsome bright yellow, beautifully quilled.....	1.00	8.00
* Queen of Yellows. Beautiful primrose yellow.....	1.25	10.00
* Red Hussar. Pure cardinal red; perfect form.....	1.25	10.00
Ruth. Pure white with faint tint of blush on edges.....	1.00	8.00
Striped Banner. Cardinal red, striped white.....	1.25	10.00
Thos. Westcott. Flery red, tipped white, very profuse.....	1.25	10.00

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This new type of Dahlias originated in Holland, and promises to become very popular. The artistic flowers are very large, from 6 to 8 inches across, and are best compared to the semi-double Paeonies in general form. They all flower very freely, and are borne on long, strong stems, making excellent material for cutting, as well as for garden decoration.

- ***Germania.** Brilliant strawberry red, a very fluffy, artistic flower, standing well above the foliage, producing a very gay effect. 25 cts each; \$2.50 per doz.
- ***Gloria of Baarn.** Very large, loosely arranged flower of soft hortensia-rose color. 35 cts each; \$3.50 per doz.
- ***Queen Emma.** A magnificent sort that appears almost artificial. It is of a charming shade of mallow or Hollyhock pink, the inner petals bordered with gold. 25 cts each; \$2.50 per doz.
- ***Queen Wilhelmina.** Immense, fluffy flower of pure white with yellow centre. 35 cts each; \$3.50 per doz.

TWELVE CHOICE DOUBLE POMPON DAHLIAS

- Ailots Imperial.** Creamy white, tipped analine red.
- Darkness.** Deep velvety maroon.
- Elegant.** Soft pink, tipped deep pink, reflex light pink.
- ***Gold Hanchen.** Pure primrose yellow.
- Kleine Domitica.** Orange buff; always in flower.
- Little Bessie.** Creamy white, quilled petals.
- Little Herman.** Deep carmine, shaded garnet, tipped white.
- Little Nain.** White, tipped amaranth red.
- Little Prince.** Deep currant red, tipped white.
- Lou Kramer.** Amber, heavily tipped crimson.
- Red Piper.** Beautiful deep red of fine form.
- ***Snowball.** Unquestionably the finest white. 10 cts each; \$1.00 per dozen; \$8.00 per 100. The set of 12 varieties for \$1.00.

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These magnificent single varieties all originated from the celebrated Twentieth Century offered in this set. They are all of free branching habit, flowering early, profusely and continuously throughout the season, flowers from 4 1/2 to 6 inches across on stems 3 feet long, and when cut keep in good condition for many days.

- ***Crimson Century.** Rich, deep, velvety crimson, shaded maroon, with rose halo around a yellow disc. 15 cts each; \$1.25 per doz.; \$10.00 per 100.
- ***Maroon Century.** Rich, velvety maroon with yellow disc. 25 cts each; \$2.50 per doz.; \$20.00 per 100.
- ***Pink Century.** Delicate soft pink, flower very large 20 cts each; \$2.00 per doz.; \$15.00 per 100.
- ***Scarlet Century.** Brilliant scarlet with golden disc. 25 cts each; \$2.50 per doz.; \$20.00 per 100.
- ***Lavender Century.** Delicate lilac with light shadings, very pretty. 15 cts each; \$1.25 per doz.; \$10.00 per 100.
- ***Twentieth Century.** Early in the season, intense rosy crimson, shading gradually to almost white on the edges and a light halo around the disc. As the season advances the flowers become lighter, changing to almost pure white, suffused with soft pink, not variegated but blended in the most beautiful manner 15 cts each; \$1.25 per doz.; \$10.00 per 100. One each of the 6 varieties for \$1.50.

STANDARD SINGLE DAHLIAS

- ***Alba Superba.** Fine large white, with a dash of canary yellow at base of petals. 15 cents each, \$1.25 per doz; \$10.00 per 100.
- ***Advancement.** Fine deep ruby-red with rose halo and yellow centre.
- ***Ami Barriol.** Rich pure garnet, with fine dark foliage.
- ***Blackbird.** Black velvety maroon, with a bright red spot at the base of each petal.
- ***Cashmere.** Crimson maroon with darker shadings.
- Gallardia.** Golden yellow with a broad red band around a golden disc. 15 cts ea; \$1.25 per doz.; \$10.00 per 100.
- ***Gracie.** White, delicately suffused with blush and a primrose halo around the disc.
- ***Mrs. Bowman.** Solfarino, a large showy flower.
- Polly Eccles.** Pure apricot with yellow shadings, a halo of poppy red surrounding the Indian yellow disc.
- ***St. George.** A pretty primrose yellow of large size. 15 cts each; \$1.25 per doz.; \$10.00 per 100.
- Striking.** Deep garnet, each petal with a white spot on the tip.
- ***Wildfire.** Brilliant poppy-scarlet, of large size. Price: Each dozen noted, 19 cts each; \$1.00 per doz. One each of the 12 varieties for \$1.25. We will furnish one each of the 151 varieties here listed, an interesting collection, for \$15.00.

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Late Flowering Lilacs.

There is a class of lilacs in nurseries going under the common name of Hungarian lilacs, of which the representatives are *Syringa Josikae* and *S. villosa*, with one or more varieties of the latter, differing but little from it. These are later flowering than common lilacs of the *S. vulgaris* type, and should be in all collections where a continuation of bloom of these desirable shrubs is desired. They commence to flower just as the blooms of the older sorts are over. Although not of as strong an odor as the others, they possess enough that one recognizes he is scenting a lilac.

The bushes of this tribe make a more erect and less twiggy growth than the others, and their foliage is of a shining green.

The flowers of *S. Josikae* are of a dark lilac color; those of *S. villosa* are white, but not such a cream white as those of the old common white one.

These lilacs should certainly be added to collections not already possessing them, for the oddity of seeing lilacs in bloom after every one supposes them over strikes all who see them.

While on this subject let me mention a very early flowering lilac. It is the *Syringa oblata*, a rather new species from China. It is really earlier than any other sort by several days; and all will need it because of this. It is of the old order of lilacs in appearance of leaf and flower; the panicles are but of medium size. On account of its earliness it would be a good one to raise seedlings from with a view to getting improved kinds, having larger panicles while retaining the early flowering character of the type.

All the lilacs mentioned in these notes are easily raised by budding them on common seedling lilacs or on stocks of privets.

Forming Standard Shrubs.

Shrubs in standard form are now so much sought that quite a number of kinds are already to be had grown in this way; the mock orange, some spiraeas, snowballs, privet, hydrangea and lilacs are particularly prominent. There are always positions suitable to all kinds and shapes of shrubs and trees, and shrubs as standards are quite popular just now. Usually it is for a place near a dwelling or a walk, for when on a lawn, unless near a flower garden or some similar work, the standard does not seem as well fitted as specimens of natural growth.

This is the time to be preparing for the formation of standards. If strong shrubs admitting of the cutting away of all shoots but a leading central one can be had, the standard is almost made at once. The leading central shoot is the only one to be left. This, if branched up its side, must have all its side shoots cut away up to the height the standard is wanted to branch, say four feet. Then leave the shoots above it, pruning them back a little and topping the central stem so that it won't get any higher, and a standard is there. But another way and in some respects a better one, for it gives a cleaner looking stem, is to take in hand a strong young bush and cut it down to the ground, leaving but an inch or two at the base. A strong shoot, perhaps several of them, will start out in Spring, when should there be more than one, cut all away but the strongest. Let it grow to the required height, say four feet, then top it. If side shoots are made let them grow the first season, cutting away in the Winter following all that are below the desired height for the head. Try any bush at all that would appear pleasing as a standard.

Where *Cerasus (Prunus) Caroliniana* Will Live Outdoors.

A correspondent living at Pearson, Md., asks us if we think the *Cerasus (Prunus) caroliniana* would live out with him. He says the pomegranate, fig and grape myrtles are rarely or never hurt there in Winter, and he thinks, therefore, the beautiful Carolina cherry would do so as well. So do we. If figs and the other shrubs named will live thus, the *cerasus* will. Botanists say of it, it grows "from South Carolina to Florida," but it grows in North Carolina as well, and very likely it would prove hardy at Pearson, Md., this place being close to the sea.

A short time ago a correspondent wrote us from Waterloo, Kan., that this cherry was quite hardy there, and, further, he spoke highly of its beauty as an evergreen and as a flowering shrub.

In the South it is often seen cultivated in gardens, and as it stands pruning well it fills many useful positions. It ought to supply the place of imported bay trees excepting that it is, perhaps, not as hardy; but just how much freezing it would endure has not been determined.

How to Prune Hollies.

The correspondent who inquires how to prune hollies will find that a thriving holly will need little or no pruning. It forms a bush or tree of beautiful shape without any pruning. All that may be required is to top a shoot here and there that may be getting too far out of the line of uniformity. On many estates trees of perfect outline may be seen and, apparently, a pruning knife has never touched them. The English hollies that come here at Christmas are pruned, but this is to make them of pyramidal shape, one preferred to its natural spreading shape.

But there is a time when hollies want pruning and a more severe one, too. This is when they are transplanted. There are no filers or next to none on a holly, and unless closely pruned success is doubtful. Prune very hard, and at the same time cut off every leaf. What is left after this is done will make a sorry looking object, but the correspondent would find the bush, or tree, would live, and in a few years his holly would give him great pleasure.

Barry, J. P. Ross, South Byron; J. J. Tardif, Sturtevant; J. W. Hooker and Dr. Charles J. Howard, Rochester.
Foreign Fruits, Irving Root, Rochester; F. H. Braddock, Lockport; Frank E. Riplett, Seneca; John Charlton, Rochester; H. J. Cook, Brighton; Nathan Wood, Carlton.
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Nomenclature, Professor L. P. Hedrick and S. D. Willard, Geneva; W. J. Edmunds, Brockport; William C. Barry, Rochester; Professor John Craig, Ithaca.
Ornamental Trees and Shrubs, C. C. Laney, Rochester; Nelson Bogue, Batavia; Theo. J. Smith, Geneva; Charles J. Maloy and John Dunbar, Rochester; H. S. Wiley, Cayuga; W. T. Mann, Barker; Delos Tenny, Hilton.



A Cinnamon Tree Growing at Los Angeles, Cal.

Cuttings of Shrubs.

The season for preparing cuttings of shrubs, trees and vines is waning. Often planting is commenced in March in the Middle States, before this in the more Southern ones. Besides that cutting making in Winter makes the rooting of the cuttings more assured than when made later it fills in time that it is not always easy to do in the freezing days of Winter. Winter-made cuttings, when stored away in damp sand, form a callus to some extent, and this aids in root forming, so that the cutting becomes a plant in quicker time than when not made until it is set out.

Besides the greater number of shrubs, trees and vines can be increased by cuttings. Catalpa, plane, poplars, willows and, in fact, all sorts can be tried. Of course, such kinds of trees as oaks, gums, ash and maple are not worth trying. Some would not root and the most of them are better raised in other ways.

Honeysuckles and many other vines, common and uncommon, can be raised from cuttings made now. The American and Japanese ampelopsis root readily from hard wood cuttings.

JOSEPH MEEHAN.

WESTERN NEW YORK HORTICULTURAL SOCIETY.—At its recent meeting, held in Rochester, N. Y., this organization elected William C. Barry, of Ellwanger & Barry, president for the nineteenth time, in spite of that gentleman's protest. Other officers elected were:

Vice-Presidents, S. D. Willard, Geneva; J. S. Woodward, Lockport; S. W. Waddams, Clarkson; Albert Wood, Charlton Station; secretary and treasurer, John Hall, Rochester.
Executive Committee, C. M. Hooker, Rochester; D. K. Bell, Brighton; DeWane Bogue, Medina; L. H. Dewey, Rochester; H. S. Wiley, Cayuga.
Botany and Plant Diseases, Professor F. C. Stewart, Geneva; Dr. L. H. Bailey, Ithaca; Professor S. Fraser, C. H. Stuart, Newark; Wilbur T. Mann, Barker.
Chemistry, Dr. L. L. Van Slyke, Geneva; Dr. S. A. Lattimore, Rochester; Professor L. P. Roberts, Ithaca.
Entomology, Professor B. J. Parrott, Geneva; Professor M. V. Slingerland, Ithaca; Professor E. P. Felt, Al-

In the course of his address to the society Mr. Barry recommended that greater consideration be given by nurserymen to the value of dwarf trees; and dwell on the necessity of advocating improved home surroundings. He said next year the society would meet in the new convention hall in Rochester, which had seating accommodation for 2,000 persons, which number he hoped would represent the total number of members at that time.

There was during last year no new and alarming outbreak of diseases dangerous to tree life, according to the report of Professor F. C. Stewart, of the experiment station at Geneva. He reviewed the work of his station and of the one at Cornell in fighting black rot with Bordeaux mixture, which has been quite successful.

B. J. Chase of Sodus was granted the first Ellwanger prize of \$40 for the best maintained private place with reference to the collection and placing of ornamental trees, shrubs and hardy flowers. Luther Collamer of Hilton won the second Ellwanger prize of \$20 awarded for the most interesting and best maintained collection of large and small fruits.

A notable feature of this always interesting gathering was the large number of young men present at the sessions.

The Cinnamon Tree in California.

I send you a picture (herewith reproduced) of a fine specimen of cinnamon tree, the only one that has come under my observation growing here in the open. The tree so nearly resembles the camphor that only an expert forester can tell the difference on sight. Not being so hardy, it will never be used as a street tree in this part of the country, as is the camphor.

Cal. P. D. B.

NEW (MY MARYLAND) ROSE

Best up-to-date commercial rose. Read what others have to say about it:

Among the many new roses of the year, there is none which has impressed us more as being worthy of a thorough trial. It has been exhibited only as No. 294, being a seedling raised by John Cook of Baltimore—a beautiful rose with an exquisite fragrance. In color it may be described as a soft salmon pink, which brightens up beautifully as the bud opens. We are intending to plant this rose in quantity.

A. N. PIERSON, Cromwell, Conn.

In reply to your inquiry, what we think of your new rose "My Maryland," we would say that after seeing others we still believe that you have the best new rose of modern times.

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Price 2 and 2½ in. pots, \$25.00 per 100; \$200.00 per 1000; 3 in. pots, \$5.00 per dozen.

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- Crown Princess Cecelia** Awarded Prize of Honor
- Friedrichsruh** Awarded Gold Medal & Prize of Honor

Our representative, Mr. HARRY VAN KOOLBERGEN, will call on the trade during **February, March** and **April**, showing colored plates of these novelties.



(32) **Moschosma riparium**.—This being a new plant introduced, would you please give me the best cultural directions for same. J. S. Conn.

—The moschosma is a very easy plant to handle, and now that the plant is through flowering it should be kept dry and reasonably warm at say 50 to 55 degrees nights. Cut back any straggling branches and loose growths. The young shoots will push out of the old wood and these may be taken off and rooted like any other cutting without any difficulty. After being potted the young plant can be grown along, and after being pinched once or twice to get it into shape it may be left to its own devices. It makes a better showing if grown on the style of a pyramid than in any other way. Do not syringe unless signs of red spider appear; and pot on as the plants require it to keep them moving along.

The moschosma, in common with many other African plants, does not like too much water; but aside from that is one of the most easily grown plants one could wish for, as neither insects nor mildew affect it.

Some criticism has been directed against this plant, and with reason, as it has been found to drop its flowers and will not stand the abuse of wholesale handling for the Christmas trade; but it has been very well received in many cities where the florist retails much of the stock he grows, and it has made a place for itself fully equal to what I expected of it. CHARLES H. TOTTY, Madison, N. J.

(33) **Botanical Name of Black Spot**.—Kindly give the botanical name of the black spot fungus on American Beauty roses. H. R. Illinois.

—Actinonema Rosae.

(34) **Woodlice in Mushroom Beds**.—Please give me a remedy to eradicate woodlice that destroy mushrooms? T. U. Nebraska.

—See answer, page 138, issue of February 1, 1908.

(35) **Coal Oil Stove in Greenhouse**.—Kindly permit a subscriber a question that, no doubt, will interest many small dealers in plants at this time of the year. Would not a coal oil stove do in a very small greenhouse, just to keep the frost out? We have often in the Spring short but very severe snaps of frost that do a great deal of harm, while, as a rule, heat is unnecessary. J. K. A.

—Heat of any kind is preferable to allowing the plants in a greenhouse to get frozen, and if no other plan can be devised, a kerosene oil stove will do; but why not install a regular heating apparatus? If a greenhouse is to be of any use at all, it certainly needs something more in the way of heating than just having the frost kept out of it.

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Price, - - - \$1.00.

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1/4 MILLION CANNAS

GOOD TUBERS 2 TO 3 EYES

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ORDER NOW FOR DELIVERY ANY TIME

Red and Crimson Cannas

Louisiana, 7 ft. high, Doz.	100	1000
10e. each	\$1.00	\$10.00
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Indiana, 3 to 4 ft. high, 15c. each	1.50	10.00
Mme. Crozy, 5½ ft.	.40	2.75 25.00
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All above Cannas packed 250 in a case. Full case at 1000 rate; 25 at 100 rate.

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Bulbs measuring 6 to 8 in. Doz.	100	1000
in circum.	.25	1.50 10.00
Bulbs measuring 8 to 10 in. in circum.	.50	3.50 30.00
Bulbs measuring 10 to 12 in. in circum.	.75	5.50 50.00
Bulbs measuring 12 to 13 in. in circum.	1.00	8.00 75.00
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Golden Bedder, Crimson Verschaffeltii and fifteen other varieties, R. C., 60c. per 100; \$5.00 per 1000.
 AGERATUM, Pauline and Gurney, 2 in. pots, \$3.00 per 100.
 SALVIA Bonfire, 1.00
 DOUBLE PETUNIAS, 1.00
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COLEUS Fancy, very brightest only, and G. Bedder, strong well rooted, 6 cper 100.
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Verschalletli,
 Golden Queen, Star of the West,
 Fire Brand, Bridget, Mrs. Morgan,
 Lord Palmerston, Duke of Marlborough,
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 Beckwith's Gem, (Purple, Yellow, Maroon, Red, Green) with red, blue, green, yellow, orange, white, cream, yellow and purple of leaf. Plants of Rooted Cuttings, by express, 60 cents per 100, \$5.00 per 1000. Out of 2 1/2 inch pots in March \$2.00 per 100, \$17.00 per 1000. Less than 250 of one variety will be charged at the 100 rate. A variety will be charged at the 100 rate. Here, Dark Maroon, nearly black Messey, Ivory, Pearl White and Silver Green.
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 The per 100 \$6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.
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New Rambler "NEWPORT FAIRY," For delivery Spring 1908. Well rooted plants in 2 1/2 inch pots \$1.00 each, \$9.00 per dozen, \$75.00 per 100.
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 Single scarlet, blood-red, bluish-pink, salmon, orange, pure white, canary yellow, separate colors, \$2.50 per 100, \$22.50 per 1000.
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Excellent Dwarf Double Pearl, Size 4 to 6 1/2, 100 lbs. 200 bulbs, \$10.00 per 100; \$90.00 per 1000, \$80.00 per 2000.
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 A large first size bulbs.

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Standard varieties of carnation cuttings at popular prices.

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FERNS

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Nice plants from 5 in. pots—
4 to 5 Tiers
60c. each; \$5.50 per dozen.
THE CONARD & JONES CO.
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1657 Buckingham Place,
CHICAGO, - - ILL.

ROBERT CRAIG & CO.
ROSES, PALMS, CROTONS
CARNATIONS and Novelties
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FERNS, FERNS, FERNS
Fine stock of assorted Ferns in best market varieties from 2 1/4 in. pots, at \$3.00 per 100 plants, or \$25.00 per 1000.

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Nephrolepis Scottii
In the following sizes, extra good value. 3 in. 50c., 5 in. and \$1.00. GRAND SPECIMEN PLANTS at \$3.00, \$4.00, \$5.00 and \$6.00.

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Rutland Rd. and E. 45th St., Brooklyn, N. Y.

ORCHIDS
We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices.

LAGER & HURRELL, Summit, N. J.

Commercial Price
Violet Culture \$1.50
The Florists' Exchange, 2 to 8 Duane St., N. Y.

THE WEEK'S WORK
Timme's Timely Teachings.

Cinerarias. The sight of an unrivaled collection of hybrid cinerarias in full bloom is a rare treat, more often to be enjoyed in a visit to park and private conservatories than in a stroll through miles of houses conducted by commercial florists.

Indispensable for unhampered culture and brightest results is a good strain of seeds to begin with. Good seeds in the first place means fresh seeds; and, secondly, those borne on the finest of plants selected for the purpose.

Cinerarias wintered in this manner will by this time have made considerable growth, will be strong, sturdy plants with hardly a trace about them to show that greedily so far has made their acquaintance.

Thousands of Orchids
In Sheath, Bud and Flower.
Write for particulars and catalogue.
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RUTHERFORD, N. J.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the world.
Sander, St. Albans, England
and
235 Broadway, Room 1, New York City.

ORCHIDS We shall receive this Spring large quantities of imported ORCHIDS, namely: Cattleyas, Dendrobiums, Oncidiums, Laelias, Vandas, etc.

roughly mixed, is now the kind of soil to use. If in point of drainage all works well, there will henceforth be no danger from overwatering—a thing ruinous to cinerarias, younger plants especially.

Chrysanthemums. It is time to prepare in good earnest for another season's success with chrysanthemums. Early propagation has a hand in bringing it, as the experience with a number of leading varieties in recent years, usually propagated too late, has shown.

Much, of course, depends on what varieties are to be grown and to what purpose, whether for exhibition, for home or wholesale trade, whether as specimen bush plants for show or potted stock for a general demand.

Good cuttings is the first consideration, indeed of foremost importance, not only in securing roots when put in the sand but to success with chrysanthemums throughout.

Violets. Conditions just right for the rooting of chrysanthemum cuttings are also favorable to the propagation of violets—a part of every grower's work never missing its turn at just about the time when to find proper space for everything

begins to be a trifle difficult. But the cuttings, and especially the rooted runners of violets, admit of being dibbled into trays or boxes, will there do as well and often much better than in the sand of a regular propagating bed, and in this manner a great amount of stock sufficient at least for the needs of the non-specialist—may be provided in this line for the next season.

Here again—and indeed here most emphatically—good cuttings have a lot to do with what signifies success with violets. In a violet house, where the stock up to date has caused no difficulty in its growing, proved satisfactory in all respects and is still far from being run to death, fine material for propagation is usually not hard to find in plenty at this time of the year. The old stocks, at any rate the most vigorous of the plants, send out at this season great numbers of sturdy runners. Of these the thickest are taken off for propagation. It pays to examine them somewhat closely so as not to let any slip in that show the least trace of mites, weakness or spot disease, if there is evidence or mere suspicion of these being now, or having been present at some time during the past season. Not to allow the cuttings after being collected to wilt at any time either before they are inserted or after they are placed in the sand is another point essential, in the case of violets in particular, because, if not observed at the start, the end in view may never be reached. Put into the sand in the coolest part of the propagating bench, or in well-drained boxes filled with sweet, sandy soil, kept moist and shaded, the cuttings with frequent sprinkling will soon supply themselves with ample energetic action for a transplanting into other boxes and much richer soil, now requiring to be spaced farther apart to permit free circulation of fresh air, the life element of violets, to reach every plant. And now, after the roots have taken to the soil and the plants become firmly established, shading will only be necessary on extremely bright and especially windy days in a house with every ventilator wide open. Air they must have, and even rushing currents through a well-ventilated house will bring no harm to the young stock, if the difference in temperature of the rushing drafts and that of the house is not too great. A stagnant, muggy atmosphere is what hurts violets, ruins them in the long run, and is the evil spirit that hovers over many a lot of slowly perishing plants, the grower never aware of his trouble's real cause. At first the boxes with the young violet stock will find a good place on a shelf in some very light, airy and cool greenhouse; later on an outdoor frame will be better for them.

The Lilies.

Easter is yet far away, but it is time to take another good look at the lilies to see how far our hopes of being well prepared for its coming are likely to be realized. The outlook is fair. Those growers who planted cold storage stock instead of newly imported bulbs are the wise ones; their outlook is the brightest. On a number of places Harrisii lilies have behaved poorly this season, the furtive fungus playing the very deuce everywhere. Longilorum, of either the giganteum, multiflorum of common stock, are by no means free of the disease, but the loss is not so great. The least affected, up to date, are lilies of the old candidum and new Azores grown types; but then they are not Harrisii lilies; and when one recalls the time when this most beautiful of all forcing lilies made its first appearance, and then looks at it now, success to what our Department of Agriculture has undertaken toward bettering affairs is most fervently wished.

If by this time lilies have so far advanced in their growth that all the flower buds in a clustering bunch are plainly seen amid the upper leaves—or more certain yet, if by the tenth of March the buds are well above the top foliage, there will then be no difficulty in having them in right time, if they are to be in bloom for this year's Easter. Lilies in that condition need no pushing; a night temperature of 55, with from five to ten degrees higher in daytime will be about right for them. Harder forcing will assist lilies not so forward in catching up, while those too far advanced will cause the greater trouble in holding back. If there are but a few of these no such attempt should be made; but if quite a block of lilies seems to be

CARNATIONS

Rooted Cuttings; Fine Healthy Stock
READY NOW:

Winsor	Per 100	Per 1000
White Enchantress	\$6.00	\$50.00
Helen M. Gould and Beacon	6.00	50.00
Melody	4.00	
Dahelm	3.00	

Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson 3.00 25.00
Have a few hundred in 4 and 5 in. pots of above varieties. Write for list.

ASPARAGUS

Sprengeri, from 3 in. pots	Per 100	Per 1000
Plumosus Nanus, from 2 1/2 in. pots	\$5.00	\$50.00
	4.00	

VERBENAS

Best Mammoth,	Per 100	Per 1000
	\$1.00	\$8.00

CANNAS

Strong Dormant Roots in 30 varieties, \$2.00 and \$3.00 per 100; \$18.00 and \$25.00 per 1000.

ROSES

Grafted and Own Roots, orders booked for early delivery.

Killarney, Richmond, Kaiserin, Carnot, Bride, Bridesmaid, Golden Gate, Perles, Sunrise, Sunset, etc.

ROOTED CHRYSANTHEMUMS CUTTINGS

50 fine varieties: \$1.50 and \$2.00 per 100. Send for list.

MISCELLANEOUS

Ageratum, Cope's Pet, White Cap, P. Pauline, S. Gurney, L. Bonnell	Per 100	Per 1000
	\$1.00	\$8.00
Achyranthes, best varieties	1.00	8.00
Ampelopsis Veitchii, pot grown	8.00	
Colous, best bedding and fancy sorts	1.00	8.00
Cuphea Platycentra	1.25	
Fuchsia, double and single	2.00	15.00
Feverfew, double white	1.50	12.00
Geraniums, best double and single	2.00	15.00
Hellebore, light and dark	1.25	20.00
Ivy, German	1.25	
Moon Vine, true, white	2.00	15.00
Salvia Splendens and Bedman	1.25	10.00
Five early flowering sorts	1.50	12.00

WOOD BROTHERS, FISHKILL, N. Y.

RUBBERS

Nice 4 in. stock ready to go into 5 in., \$12.00 per 100, \$100.00 per 1000.

CHRYSANTHEMUMS

MRS. HENRY ROBINSON, the true variety, 2 1/2 in. pots, extra fine, \$25.00 per 1000.

Metairie Ridge Nursery Co., Ltd.
NEW ORLEANS, LA.

Alternantheras

Strong rooted cuttings, red and yellow, 5 c. per 100, or \$4.00 per 1000. Brilliantissima 60c. per 100, or \$5.00 per 1000.

DAVIS BROS., Morrison, Ill.

coming too soon into bloom, the heat might be reduced five or even ten degrees, a little from day to day. This, of course, will check rapid growth to a considerable extent, but if the lowering is too excessive or too sudden, the effect produced is sure to prove disastrous to lilies having made rapid progress under actual forcing so far. A gradual cooling off after most of the buds show the white color and a bloom or two has opened is the safer course after first allowing the lilies to reach this stage without retarding their steady growth. They can then be held back and in good shape for weeks if finally placed in as low a temperature as 40 or 45 degrees, where they still will continue to open slowly their flowers. Holding back more than hard driving will this year be the lot of most growers of lilies and other kinds of Easter stock, especially if the weather from now until Easter should happen to be clear. Lilies now need the grower's full attention as regards ample quantities of water, regularly applied food in liquid form and means toward keeping away greenfly. FRED. W. TIMME.

60 CHOICE VARIETIES OF VERBENAS

PRECISELY HEALTHY—NO RUST. Rooted Cuttings, our selection 75c per 100, \$6.00 per 1000. Plants, our selection, 2 1/2 inch pots, \$2.00 per 100; \$20.00 per 1000.

ROOTED CARNATION CUTTINGS—CLEAN and HEALTHY

WHITE VARIETIES		RED VARIETIES	
White Perfection	1.00 10.00	Cardinal	1.00 10.00
White Enchantress	\$6.00 \$50.00	Robert Craig	3.00 25.00
Lady Bountiful	3.00 25.00	Flamingo	2.50 20.00
My Maryland	3.00 25.00	Crisis	2.00 17.50
The Queen	2.00 17.50	Portia	1.75 12.00
Queen Loulae	2.00 17.50	Governor Roosevelt	2.00 17.50
Flora Hill	1.50 12.00	Harlowarden	2.00 17.50
PINK VARIETIES		YELLOW VARIETIES	
Enchantress	3.00 25.00	Golden Beauty	2.00 17.50
Mrs. Thomas Lawson	2.00 17.50	Buttercup	2.50 20.00
Dorothy	1.50 12.50	Eldorado	2.00 17.50
Mrs. E. A. Nelson	1.50 12.00	VARIEGATED VARIETIES	
William Scott	1.50 12.00	Jessica	3.00 25.00
Mrs. Francis Joost	1.50 12.00	Mrs. M. A. Patten	2.50 20.00
		Judge Hinsdale	2.50 20.00

60,000 GRAFTED ROSES for FORCING—The Finest Grown
Orders booked for delivery in April, May and June.

Chatenay, Killarney, Richmond, Liberty, La France, rose pots, \$15.00 per 100; 3 1/2 inch pots, \$18.00 per 100.

Brides, Bridesmaids, Golden Gates, Kaiserin, rose pots, \$10.00 per 100; 3 1/2 inch pots, \$15.00 per 100.

Own Root Roses, 4-inch pots, \$9.00 and \$7.00 per 100.

Send for Price List.

J. L. DILLON, Bloomsburg, Pa.

Always in Demand ARAUCARIA ROBUSTA COMPACTA and GLAUCA

JUST LOOK! An ARAUCARIA ROBUSTA COMPACTA OR EXCELSA GLAUCA, worth a ten dollar bill, perfect shape and color, 6-7 in. pots, 5-year-old, 4-5-6 tiers, 28 to 40 in. in height, the same in width, only \$3.00; 6-7 in. pots, 6-year-old, 4-5-6 tiers, 25 to 28 in. height, \$2.00 and \$2.50; 6-7 in. pots, 5-year-old, 3-4 tiers, 18 to 25 in. high, \$1.50 to \$1.75. Excelsa, 6 in. pots, 5-year-old, 5 tiers, 22 to 25 in. high, \$1.00; 6 in. pots, 4-5 tiers, 4-5-year-old, 18-22 in. high, 75c; 2-year-old, 2-3 tiers, nice little plants, 6-8 in. high, 10c.

WHITMANI, larger than 8 in. pot, planted in 7 in. pots, made up in June, three plants in a 7 in. pot, now as large as a bushel basket, price, \$1.25 to \$1.50 per pot.

PIERSONI FERNS 4 in., 25c.; 5-6 1/2-6 in. pots, 35c.-40c.-50c.

AZALEA INDICA, Have an immense stock now planted in 6 in. and 7 in. pots, were grown for us under contract by an Azalea Specialist in Ghent, Belgium. Have only the leading varieties such as, Mme. Van der Cruyssen, (2500 of this well known variety of the finest shape, full of buds), Niobe, Bernard Andrew Allen, Deutsche Perle, Simon Mardner, Empress of India, Prof. Walters, Apollo, and 1/2 doz. more popular sorts, price, 50c., 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75, \$2.00, \$2.50 each.

SCOTTI FERNS, 6 in. pots, 50c. to 75c.; 7 in. pots, \$1.00 each.

BOSTON FERNS, 8 in. pots, made up of 3 plants, as big as a washtub, \$1.25 to \$1.50 each; 7 in. pots, 75c. to \$1.00

each, 6 in. pots, 50c each; 5 and 5 1/2 in. pots, 30c., 35c. and 40c. each.

FERNS FOR DISHES, 2 1/2 and 3 in. pots, 5c. each.

KENTIA Forsteriana and Belmoreana, 4 in. pots, 8 to 20 in. high 35c. 5 1/2 in., 5 1/2 in., and 6 in. pots, bushy stocky plants, 50c., 60c., and 75c.

LATANIA Borbonica, 4 in., strong, 25c. each.

COCOS Weddellana, 3 in. pots, 10-12-15 in. high, 15c.

FIGUS ELASTICA or RUBBER PLANTS, home grown and Belgium stock, 18-29 to 40 in., 5-5 1/2 to 6 in. pots, 25c.-35c.-40c.-50c. and 60c. each; 7 in. pots, 75c.

ASPARAGUS plumosus nanus, 4 in. pots \$10.00 per 100, all bushy plants.

HYDRANGEA OTAKSA, in bud, just right for Easter. Now is the time to force Hydrangea Otaksa for Easter blooming. Remember only pot grown will form successful for Easter; we grow ours in pots in the summer and plant them in cold frames (now inside); have about 500 to spare, 6 in. and 7 in. pots 25c., 35c., 50c., and 75c. each.

BEGONIA, new improved Erfordi, 4 in., strong, 20c.; 5 1/2 in., 25c. each.

CINERARIA hybrida for Easter flowering, best strains, 4 in. pots, \$1.00 per 100; 5 in. pots, \$2.00 per doz.

CYCLAMEN Giganteum, in bud and bloom, 4 in. pots, 20c. to 25c. each.

PRIMULA obconica, in bloom, 5 1/2 in. pots, 25c. each.

Please mention if plants are to be shipped with or without pots. All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN, Importer, Wholesale Grower and Shipper of Pot Plants
1012 West Ontario Street, PHILADELPHIA, PA.

ORDER NOW

Genuine Irish Shamrock

FROM COUNTY MONAGHAN, IRELAND

Fine stock in pots \$4.00 per 100; 4 1/2 in. pans \$12.00 per 100. Delivered early in March. Stock limited.

HUGH GRAHAM CO., York Road and Loudon Street, Logan, Philadelphia.

ASPARAGUS, BOSTONS, AZALEAS

PLUMOSUS, 2 1/2 in., \$3.50 per 100; \$30.00 per 1000; 3 in., 60c.; 4 in., 1.20; 5 in., 2.00; 6 in., 3.00. COMORCUDS, 2 in., 20c.; 2 1/2 in., 30c. Sprengeri, 2 1/2 in., 30c.; 3 1/2 in., 40c.; 4 in., 1.00.

Long Distance Bell Phone, Lackland.
Terms Cash. J. W. DUNFORD, Clayton, St. Louis Co., Mo.

SMILAX GERANIUMS

ROOTED CUTTINGS

Cut Strings of Smilax, 7 ft., extra heavy in flower, 12 cts. per string, C. O. D.

George H. Benedict, Yorkville, N. Y. ALBERT M. HERR, Lancaster, Pa.

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Seedsmen and the Trade in General

Exclusively a Trade Paper.

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for Classified Advertisements.

THE NATIONAL FLOWER SHOW, under the auspices
of the S. A. F. O. H., will be held at Chicago, Nov-
ember 9 to 15, 1908. William F. Kasting, Buffalo,
N. Y., is chairman of the show committee.

National Flower Show.

Special Premium Offers.

John Breitmeyer's Sons, Detroit, Mich., offer \$25,
first; \$15, second, for best fifty blooms La Detroit rose.
Conard & Jones Company, West Grove, Pa.—\$25 cash;
premium not yet specified.

F. Dornier & Sons Company, Lafayette, Ind.—Best
fifty blooms Winona carnation, first, \$12; second, \$8;
third, \$5.

Samuel Murray, Kansas City, Mo.—Best six plants
Cibotium Schiedei, not over ten-inch pots, \$50.

John Young, New York.—Cash, \$50; premium not yet
specified.

W. N. Rudd, Chairman Premium Committee.

"THE ROSE JOURNAL OF THE AMERICAN ROSE SOCIETY."—Ever since the inception of the American Rose Society there has been a feeling among the more progressive members of the organization that the society should publish a periodical devoted to the rose and kindred subjects, which publication would also act as the organ of the association. The project was strongly urged at the Washington convention last year by Messrs. O'Mara, Elliott, Craig, Hill, Secretary Hammond and others. With a view to putting the proposition into actual practice, Mr. Hammond has issued an open letter to the members and those interested in which he outlines his ideas of such a publication, at the same time distributing a prospectus relative to the enterprise and facsimile pages of the proposed paper. The secretary suggests among other things that the circulation should not be restricted to members; that the subscription price shall be 35c., paid in advance, the paper to be issued quarterly; that to carry this project through we should have not less than \$500 assured income. Will fifty rose growers in America join hands? The intention is to issue and circulate not less than 1,000 copies each quarter; and the advertising price set on one inch is \$10 for the first year.

The proposition is deserving of the best consideration of all rosarians.



Thompson C. Maxwell.

Thompson C. Maxwell, aged 86 years, a member of the nursery firm of Maxwell Brothers, Geneva, N. Y., died Monday afternoon, February 3, 1908. Mr. Maxwell was identified with the banking interests of Geneva and had lived here for sixty years. He was born in Tully, Onondaga County. He leaves a widow and two daughters.

W. B. K. Johnson.

W. B. K. Johnson, one of the leading nurserymen of Pennsylvania, died at Allentown, Pa., Wednesday, January 22, 1908. He made his fortune in the early seventies, when he made trips to Cuba and South America, importing shiploads of parrots to the United States and selling them at great profit. He was an authority on fruit growing, and was long on the staff of both the Pennsylvania and National Agricultural Departments. In his large nurseries, near Allentown, he had more than a million trees, which were frequently referred to by State officials as models.



The Late J. B. Heiss

Samuel Slade.

Samuel Slade, an old-time gardener of Utica, N. Y., died at his home there on Thursday, January 30, 1908.

The deceased was born in Somersetshire, England, about 85 years ago and his early life was spent in the old country. He came to America 56 years ago and located in Utica. For the past 39 years he had been engaged in gardening in the vicinity of his home, and for a number of years was a familiar figure about the streets of East Utica, where he sold produce from his garden. He was always of a cheerful disposition, and had a very wide acquaintance in the section of the city where he lived. He leaves a widow, three daughters and three sons.

Numa R. Cook.

Numa R. Cook, for some time in the employ of the Green Floral & Nursery Company, Dallas, Tex., died at the home of his sister, Mrs. G. S. Boren, Pomona, N. C., on January 20, 1908.

Mr. Cook was born June 25, 1878, at Friendship, N. C. After attending the public schools he took a course at the A & M College, Raleigh, N. C., and then entered the employment of the J. Van Lindley Nursery Company, Pomona, N. C., where he had his first experience in the growing of cut flowers. He afterward held positions with florists in Pawtucket, R. I.; Norfolk, Va.; Chester, Pa.; Norwalk, Conn.; Lewiston, Me.; and Dallas, Tex., where he worked with Alexander Miller, who is manager of the Green Floral & Nursery Company. He was a young man of honor and ability and much loved by his people at home and his friends throughout the trade.

J. B. Heiss.

As briefly mentioned in last week's issue J. B. Heiss, the well-known florist of Dayton, O., died suddenly on Friday morning, January 31, 1908, while on a visit to his brother-in-law at Bethel, Clermont County. Ever since his return from Europe Mr. Heiss had been ailing and for some weeks was confined to his home by an attack of rheumatism. He was up and about again, however, and was taken suddenly ill on the train on which he was traveling with his wife and some friends.

Mr. Heiss was in his 54th year. He was born in Frankfort, Germany, and went to Dayton some twenty-five years ago. He was florist at the Dayton State hospital for a number of years, and some twenty years ago entered the florist business. From a small beginning he built up a large plant.

Eighteen years ago he married Miss Clara Ruchhaber of Dayton, who survives him.

The deceased was prominent in local fraternal circles and was a member of the Elks and the Masonic order. He was the first president of the Dayton Florists' Club, and was a member of the S. A. F. O. H. When the society met in Dayton, in 1906, Mr. Heiss took a most active part in connection with the preparatory work of the convention. He was prominent in the work of the East End Good Government Club and was active in all that was for the welfare of the city.

Mr. Heiss was a man of much ability and to know him best was to appreciate most his worth.

R. P. Speer.

Captain R. P. Speer, one of the best known horticulturalists in Iowa, died February 2, 1908, at his home in Waterloo township, aged thirty years. He was a member of the fifteenth general assembly, president for four years of the Iowa Horticultural Society, director for three years of the Iowa Agricultural Experiment Station, and trustee for a number of years of the Iowa Soldiers' Orphans' Home at Davenport. He served gallantly throughout the war, having been captain of Company B, Thirty-first Iowa volunteer infantry.

Captain Speer tested 250 varieties of Russian apples and 150 varieties of American apples, peaches, pears, plums and other fruit.

Felix Gillet.

Felix Gillet, a pioneer nurseryman of Nevada City, died on January 28, 1908. He was born in Rouchefford, France, March 25, 1835. In 1859 he went to Nevada City and followed his trade as a barber. He had purchased Barren Hill and devoted his spare time to clearing it and planting to trees, vines and shrubs. Later on he devoted all his attention to the business, becoming widely known as an authority on nuts and fruits. He leaves a widow and three sisters.

OUR READERS' VIEWS

Clematis Indivisa.

Editor Florists' Exchange:

I am afraid your esteemed Philadelphia correspondent is away off when he says in last week's issue that H. A. Dreer exhibited the new Clematis indivisa, "flowered for the first time." If he will look up the schedules of the Pennsylvania Horticultural Society for the years 1903 and 1904 he will find that in both those schedules H. A. Dreer offered a premium for the best spray of the above named clematis, and that on one occasion the prize was won by John H. Dodds, Narberth, Pa.

Furthermore, I might add that this plant was introduced into Europe in the year 1847. I well remember growing it in England 15 years ago. Our method of culture was as follows: It was planted out in a well drained border against the wall in a lean-to peach house and tied to wires about 10 inches from the wall. It was cut back annually and kept dry and cool till about the first of January of each year. When the peach house was started into growth, the clematis soon commenced growing and about the first of April it had made a growth of from 3 to 5 feet in length, covered with flowers. We used to find it useful for dinner table decoration, also for funeral work. I feel sure the plant can be grown to commercial advantage in this country if planted in a house where the sash could be removed during the Summer months, as it was always a lover of red spider. I believe if grown in a violet house it would give entire satisfaction.

Chester, W. Va.

JOHN THATCHER.

CLUB AND SOCIETY DOINGS

NEW YORK FLORISTS' CLUB. A well attended meeting of the club was held on Monday evening, February 10, President Weathered in the chair. Mr. O'Mara, for the committee on closer relations with the Horticultural Society of New York, made a final report, in which he stated that the associate membership proposition had been dropped and that the committee recommended that the members of the Florists' Club having in view the advancement of horticulture through public exhibitions in New York City, should seek full membership in the Horticultural Society, taking part in its proceedings and receiving due recognition on the executive body and council, such as is done in Boston, Chicago and Philadelphia. After some discussion, taken part in by Messrs. Manda, Jaenicke, Butterfield and others, the report was accepted and the committee continued. Mr. O'Mara stated also that the Horticultural Society was in negotiation with the authorities of the Museum of Natural History, looking to the securing of a hall in which to give an exhibition next Fall. It is more than likely that this privilege will be granted and a flower show held at that time, in which the Florists' Club will be asked to co-operate.

Resolutions on the death of Mrs. A. M. Henshaw and Victor Doryal were read and approved, and copies ordered sent to the families of the deceased.

Mr. Sheridan, for the dinner committee, reported that the St. Denis hotel had been selected for this pleasant annual event, the date being the last Saturday in February. There will be a very enjoyable entertainment consisting of music and story-telling, and the dinner itself will be up to the usual high standard of this hostelry. All that is needed to make the affair a grand success is a large attendance, and Mr. Sheridan asked that those intending to be present secure tickets at the earliest possible moment in order that proper provisions may be made by the hotel.

J. Canning, W. A. Sperling and P. T. Barnes were elected members. A committee on transportation to the S. A. F. convention at Niagara Falls will be appointed shortly by President Weathered in order to make arrangements for the conveyance of the members to this gathering.

The president appointed W. Wallace Burnham on the committee of awards in the place of Alfred Zeller, resigned.

W. A. Manda made a proposition that the club donate a certain number of medals for competition at the National Flower Show in Chicago. This matter was provocative of considerable discussion, resulting in the appointment of a committee, consisting of Messrs. Manda, Totty and O'Mara, to consider it. This committee later recommended that the New York Florists' Club offer a silver trophy valued at \$100 for three specimen palms, distinct species, not less than ten feet high. This announcement was telegraphed to Secretary Rudd in order that the premium might appear in the preliminary prize list of the National Flower Show.

J. T. Withers then delivered a most interesting lecture on the subject of "Tree Doctoring." Mr. Withers threw on the screen pictures of trees that had been treated by him very successfully, including the famous Liberty tree at Annapolis, Md. He also gave some interesting facts concerning the hardiness of trees, stating among other things that the ginkgo was perfectly hardy as far north as Montreal. It is one of the very best street trees and will stand a good deal of hard usage growing in poorer soil than many people imagine. He also spoke of the adaptability of the pin oak as a street tree. Referring to the transplanting of large trees, Mr. Withers said that very large specimens, while they might linger after being transplanted, would not give general satisfaction. He thought a tree of about 1 1/2 inches caliper could be safely transplanted and would grow successfully. In the filling of cavities in trees caused by decay, Mr. Withers uses reinforced concrete, so arranged that no air or moisture can reach the material, and permitting of the bark to gradually grow over the filled-in matter. As regards pruning, Mr. Withers stated that he preferred to prune all limbs requiring it flush with the tree, afterward painting the wounds over with Defoe's 523 paint. This material he considered preferable to coal tar, which was all right in the treatment of dry wood, but practically useless for live wood. He preferred not to prune trees, such as maples, while the sap was running in Spring, but to do that work sometime in the Summer.

The lecturer also threw on the screen various pictures showing the methods of tree protection as used in the cities of Paris, Berlin and others. His own prefer-

ence as a protector was wire netting, surrounding the tree to a considerable height, around the top of which was placed rubber hose so as to prevent slanking. Asked to name six of the best shade trees, he gave the following list offhand, stating that in order to answer the question fully, the nature and condition of the soil, the location and other points of that kind had to be considered. His list was: Oriental plane, oak, European linden, Norway maple, rock maple and American elm. The beech could be mentioned as a good street tree, or for private grounds and small parks. The horse chestnut is not a good tree for the street, because the conditions found there are too dry, but grown in deep, moist soil, one could not find a more beautiful shade tree than the horse chestnut. The speaker also showed several views of trees which were said to have been planted by George Washington on his estate at Mt. Vernon, among them a large *Buxus sempervirens*; and specimens of various fungi taken from trees in different parts of the world. A rising vote of thanks was extended to Mr. Withers for his most instructive lecture. The meeting then adjourned at a late hour.

On the exhibition table were some well-grown bunches of the violet Princess of Wales from F. G. Mense, Glen Cove, L. I. for which a cultural certificate was awarded. Wm. Sim, Cliftondale, Mass., sent several bunches of his new single violet, Boston, which were awarded a certificate of merit. H. A. Jahn, New Bedford, Mass., had on exhibition a bunch of his new white carnation, Lloyd, but they did not travel in the best shape and the judges asked to have the variety exhibited before them at some future time. The crimson carnation Wa-no-Ka from the Wa-no-Ka Greenhouses, Barneveld, N. Y., was exhibited and made a very good impression upon the members. The color, under artificial light, seems all that could be desired for a crimson, and the judges scored it 85 points. A light pink variety, shown by W. A. Manda, was very pleasing so far as the color and size of the flowers went, but the stems are inclined to be weak. This variety scored 73 1/2 points. A few blooms of a chrysanthemum somewhat after the type of Vivand-Morel were shown by W. E. Hamilton, Belfast, Me., through Charles H. Totty, for which the committee gave the thanks of the club.

The Connecticut Agricultural Experiment Station, New Haven, Conn., is distributing a calendar on which are given valuable formulae for insecticides and fungicides, etc.—a most serviceable publication.

A number of interesting articles are unavoidably crowded out of this issue; they will appear in future numbers of *The Florists' Exchange*.



Group of Delegates at Washington Meeting of American Carnation Society. Photographed after Reception by President Roosevelt at the White House, Thursday, January 30, 1908.

Gladiolus Taconic.

The accompanying illustration represents a spike of a variety of gladiolus which we have named "Taconic," the stock of which has been grown and in-



Gladiolus Taconic. Author, Cowley. Courtesy Arthur George Bonar, N. Y. Berlin, N. Y.

creased in our fields during the past few years under field No. 605, and by this number only it is known to many florists, several seedsmen and many other visitors to Meadowvale Farm, who have particularly noticed and admired this variety. The description is as follows: "Bright lively pink, flecked and striped with shades of the same color, the petals lightening to the faintest blush in the throat. The markings on the lower petals are deep crimson, running into a thin strip of pale lemon yellow. Plant vigorous and flowers large, 10 to 12 being in bloom at the same time."

Under ordinary garden cultivation it attains a height of from 1 1/2 to 5 feet. It is one of the most beautiful and artistic varieties of the same color which it has been my pleasure to see.

The total value of plants, trees, shrubs and flowers imported into the United States during the year 1907, was \$2,011,710 as compared with \$1,750,160 in 1906.

Lily Cultivation in Japan.

The following interesting facts and figures concerning the cultivation of bulbs in Japan are taken from the newly issued catalogue of Ralph M. Ward & Company, New York, by whose permission the notes and accompanying illustrations are reproduced:

"Japan bulbs form a part of the importations of horticultural products to this country. The exports of auratum bulbs date back more than 30 years, when they were chiefly destined to England. At that time little or nothing was known about the method of preserving bulbs and as a consequence the bulbs, packed in large boxes, arrived mostly rotted at destination.

"The demand in Europe and America, however, was so strong that the business flourished year after year, until in 1906 the exports from Japan aggregated 12,062,194 bulbs, valued at 493,362 yen, as against 8,437,572, valued at 313,942 yen in 1905, and 9,291,321, valued at 335,390.56 yen in 1904.

"There are no accurate statistics available as regards the quantities and values of the several separate species, but the varieties of Easter lilies predominate, with auratum, rubrum, album and Melpomene following. It is estimated that about 7,500,000 Easter lilies are grown.

"In order to produce good Easter lily bulbs, the grower must first get a good quality of seeds (bulbules) and it requires fully three to four years to bring them up to exportable size, 6-8 and 7-9 inch bulbs. They require a peculiar soil, well fertilized. Moreover, they cannot be grown long in the same locality or they usually fail. These conditions prevent the average farmer from attempting to grow the article.

"LILIAM GIGANTEUM we consider, beyond a doubt, the best Easter lily for general purposes to-day. This bulb was introduced about 10 years ago by an English exporter and sent to London. Other species will follow soon, and longiflorum grown in the Hachijo and Bonin Islands may be introduced under separate names.

The giganteum are propagated from the bulbules produced around the underground stems. The larger the parent bulb, the more and larger will the bulbules be. Some 10-inch bulbs produce five to ten bulbules and sometimes one as large as 5 inches in circumference. The size 7 to 9-inch usually produces 2 to 4-inch circle. They are planted in November and December and are dug the next September, when they grow up to about 4 to 6 inches, which when planted will produce 6 to 8 and 7 to 9-inch bulbs the next August. If the size 6 to 8-inch are planted they generally reach 9 to 10-inch the next August. The most skillful and intelligent growers raise large sized bulbs and get large bulbules, which will produce larger bulbs in three years than four years' exertions with smaller sizes. Good bulbules always produce good bulbs.

"Our giganteum are produced from the very best selected healthy seed and receive careful attention all the year round. They are easily distinguished from the multiflorum and longiflorum by the shape of the bulbs. The average giganteum bulb appears as though it was grown with a string tied tightly around it, leaving the indentation on nearly all the scales of the bulb. The plant has larger and more narrow leaves, larger and thicker flowers, which last longer after being cut than those of the other varieties. They are less diseased than the other vari-



Lilium Wardarai as Compared with L. giganteum of the Same Size Bulb.

eties, owing mostly to the fact that a diseased giganteum bulb will produce no bulbules or seeds, whereas diseased other varieties will produce some bulbules, which if planted will produce diseased bulbs.

"Our control of the quality is maintained by buying up the very best seed bulbs produced. Large quantities are grown by our grower and his family, and the balance are let out under contract with reliable growers under the supervision of an experienced foreman for each district. The best fields are situated about 60 miles from Yokohama. Our bulbs are planted deep in the ground, which is necessary for the best quality. It therefore takes longer to grow them than if they were grown near the top soil, where they round out larger in size more quickly than when planted deep.

"LILIAM LONGIFLORUM MULTIFLORUM is perhaps the most popular Easter lily in America at the present time, owing largely to the fact that the average American florist is afraid to venture with the later arriving giganteum, and therefore favors this variety as an improvement over the common longiflorum. It has narrow leaves, lasts longer in the fields than the longiflorum and has less disease.

"This variety and also the longiflorum are grown within a short distance of Yokohama and surrounding cities. The two varieties are often grown in the same field together, in the lowlands, adjacent to the rice fields; consequently, they are dug earlier than those varieties grown in a colder climate and shipped abroad for early lilies.

"LILIAM LONGIFLORUM is the original Easter lily exported from Japan. It is still extensively forced in England, but in America the demand has fallen off to very small quantities in favor of the multiflorum variety. It is also grown in lowlands and is ready for export early. The longiflorum flowers in Japan earlier than the multiflorum, but it has more disease and dies earlier than the latter variety. Longiflorum flowers about the same as multiflorum and has wider and fewer leaves.

"LILIAM WARDARAI is a new variety of longiflorum, which we expect to import in quantities in a year or two. This year we will have but a limited number for sale. This lily is an improvement on the giganteum; it will force a taller plant and with more buds.

"LILIAM AURATUM in the early days grew wild in Japan and were handled by general exporters of Japanese produce, consisting entirely of foreign merchants. The business in this line developed to such an extent, however, that they found it required more special attention than these busy foreign merchants could devote to it, and all the difficult problems of handling this class of produce were entrusted to specialists who could devote their full energies to the troublesome business. This gave rise to the ultimate formation of the first nursery business in Japan, which is recently reported to have been sold out.

"Auratum lilies grow wild still in many localities in Japan, but these are very perishable and cannot be exported safely. They are gathered in mostly 6 to 8's and grown on for one or two years on the hillsides and cultivated, after which time they will stand the long voyage necessary.

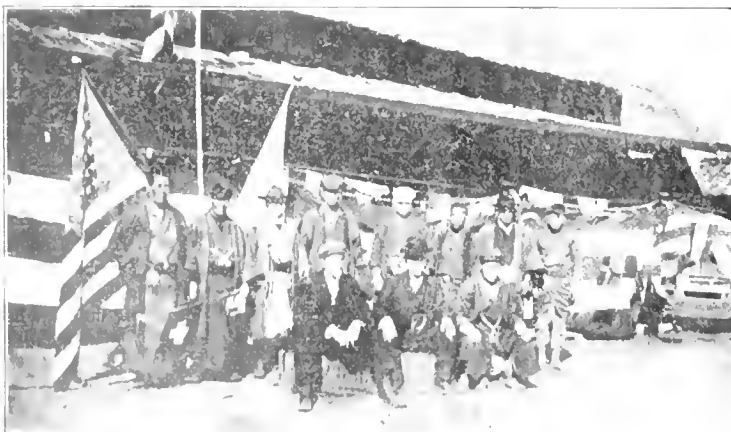
"LILIAM SPECIOSUM RUBRUM are largely exported together with auratum and other speciosum lilies to England. American florists have not yet properly taken hold of these hardy lilies, but the imports are increasing gradually and the florists are finding them valuable. Rubrum may be held well in cold storage for a long time, and can be bloomed at almost any time desired. They make a good Christmas article if properly handled.

"Large quantities of these bulbs grew wild on an island near Nagasaki, Japan, and when the supply became scarce a few years ago, these were brought over to the bulb fields and grown on for the present crop.

"LILIAM SPECIOSUM ALBUM, being white, are always in large demand, especially in England. The crop has been short for several years and will not be plentiful for a few years yet. These bulbs cannot be found growing wild, so the grower must resort to bulbules, the same as in the case of Easter lily varieties.

"LILIAM SPECIOSUM MELPOMENE is a selection from the rubrum. The shape is irregular and the bulbs produce many crowns. The supply will diminish year after year.

"LILIAM SPECIOSUM MAGNIFICUM is also a selection from the rubrum type, but of a much superior quality. These bulbs were recently brought from an island near Nagasaki and are being grown on for a permanent crop. The plant stands erect and grows leaves in four directions and the flower is better than that of the old type. This variety is recommended very strongly for more extensive use. It keeps well in cold storage and can be flowered whenever wanted. It is earlier than Melpomene and grows taller."



A group of Japanese Lily Growers in Japan. (Ralph M. Ward, Seitaro Arai and a prominent Giganteum Grower in the Foreground.)



A Village of Bulb Growers in the Lilium giganteum District in Japan.



Bride

Roses at Establishment of J. A. Budlong, Chicago.

Bridesmaid

AMONG THE GROWERS

J. A. Budlong, Chicago.

The profitable results which accrue from careful and vigilant culture are nowhere more apparent than at the establishment of J. A. Budlong at Bowmanville, Chicago. Every one of the thirty-three houses forming the plant reveals stock in the pink of condition. A range of nine houses each 27x200 feet, devoted to carnations exclusively, is just now a veritable picture. There may be seen a number of varieties, all in excellent crop, including Mrs. T. W. Lawson, Winsor, Aristocrat, Boston Market, Cardinal, Enchantress, White Perfection, and Victory. Cardinal, as a scarlet, is not liked here so well as Victory, proving very slow in starting, and not at all a vigorous grower; all the other varieties grown seem to get ahead of it. Victory starts quickly and seems to be more free in its blooming, reaching a good state of perfection in October. Enchantress is wonderfully well done, a house of it showing large, well-shaped flowers on stems fully 36 inches long, and a compact mass of bud and bloom. Aristocrat is something of a favorite, proving an excellent producer of fine flowers; it is very largely benched, filling a whole house. This is its first year here. The house was planted July 15, and cutting was commenced about October 1. Winsor looks very well, and is proving a good producer, although rather a slow grower. There is a house of Mrs. T. W. Lawson, but it is not quite up to the standard reached in previous seasons; while perhaps better here than seen in many establishments this year, the decline in the commercial value of this variety is quite noticeable, and in keeping with the experience of other growers in different parts of the

country. Among the whites are to be noticed Boston Market, White Perfection and White Enchantress. Boston Market looks quite outclassed by the other varieties mentioned, and is to be thrown out after the present season, in favor of White Enchantress, which is being grown principally for stock. White Perfection is in capital shape, and is producing heavily.

All carnation stock at this establishment is field-grown from 3½ inch pots. The rooted cuttings are planted in 2 inch pots, and subsequently in 3½ inch pots, from which they go to the field. This procedure is necessary on account of the sandy soil of the field, which is too light to ball on the roots at transplanting time. The ball of earth leaving the pots with the plants is retained and furnishes support from the field to the bench.

A large house is just now set apart for chrysanthemum stock, and contains 15,000 plants, covering the varieties Monrovia, October Frost, Alice Byron, White and Yellow Chadwick, White and Yellow Bonaffon, and a few Dr. Enguhard.

There are six houses of American Beauty roses, four of them 400 feet long, but this section at the present time is somewhat off crop. It promises well, however, for a bountiful crop at Easter, in addition to filling requirements prior to that holiday. There are nine 300-foot houses of Bridesmaid roses, most of which are stocked with two-year-old-grafted stock. These houses are just coming into crop, and the stock is in splendid condition, the plants throwing up numbers of long flowering stems. Six 300-foot houses are devoted to Bride roses, which are seen in identical shape with the Bridesmaid. All the roses in the establishment are grafted stock. The grafting for this season's new stock has just been completed. The manetti used this year arrived in especially fine condition.

Hardiness of Gladiolus Præcox.

The perfect hardiness of *Gladiolus Præcox* with most cultivators a matter of great doubtfulness. According to a letter of the introducers, the firm of F. Roemer, at Quedlinburg, appearing at p. 173, in the issue of *Die Gartenwelt* for January 11, 1908, the plant in color and markings or size is not inferior to any other race of gladiolus, and it has the great advantage over those of being easily increased by seed; the seedlings also flowering the first year. That the corns are hardy was well established in F. Roemer's garden last winter, a severe one in Germany. Young brood and corns were inadvertently left in the soil in which the seedlings had been grown, which was thrown into a heap and exposed to the severe frosts that occurred, without protection from snow or anything else; and the frost had penetrated the soil to the depth of one foot. Toward the middle of May F. Roemer was astonished to observe the heap to be covered with gladioli arising from the brood corns, many of them only 5 cm. deep in the soil. The corns were left undisturbed in the heap where they flowered beautifully. The matter to be certain about is, if only the brood is hardy, and the full grown corns not hardy. So far no species or race of gladiolus have proved perfectly hardy. Further trials seem desirable with *G. Præcox*. —Horticultural Trade Journal, England.

INTERNATIONAL EXPOSITION OF FLOWERS AT GHEENT.

Consul W. P. Atwell advises that the centennial exposition of the "Societe Royale d'Agriculture et de Botanique" of Ghent, Belgium, will be held in the gardens of the Casino from April 23 to May 3, 1908. This exposition is international and devoted exclusively to plants, flowers, seeds, and in general to everything pertaining to the horticultural trade. This exposition is held regularly every four years, and the coming one being the centennial, the display promises to be very interesting.



Field of *Lilium giganteum* in Japan.



A Field of Multiflorum Lilies in Japan.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Denver, Colo.

THE PARK FLOREAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Dayton, O.

W. G. MATTHEWS, FLOREST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Chicago, Ill.

HAUSWIETHE, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

An "Out-of-the-Rut" Retail Florist.

Novelty in the methods of conducting a florist's business is an unlooked for quality nowadays, when it is generally supposed that the flow of ideas generated with the business has ceased, and a show window well stocked with plants and flowers is universally accepted as the one thing needful to attract the passing crowd. H. R. Hughes, a retail florist of Chicago, is running a long way in advance of his brother florists, in that he has broken the fetters of conventionalisms and has formulated ideas of his own and put them into practice with the result that he has worked up a very profitable business.



A Corner in Store of H. R. Hughes, Chicago. Cork Bark Arrangement.

Located at the corner of Lincoln and Van Buren streets, in the "hospital district," he realized that he would have to build up his business from a demand created in territory which could hardly be extended beyond a radius of half a mile or so from his store. How to make his store known to everybody in that section was the problem, and he concluded that the best plan was to so arrange and decorate his store that once seen it would be talked about and remembered, and people would afterward go out of their way to pass it. Then he reasoned that when these people wanted flowers the name and store of "Hughes" would be paramount in their minds.

Originally a greenhouse, the greenhouse style of store is continued although the building has been remodeled into a handsome and substantial structure. It has four immense plate glass windows running without intervals along the Van Buren street side of the structure. Two of these are used solely for exhibition purposes and the displays given in them have been, and are, the talk of the town. The windows light a portion of the store separated from the rest by a partition, but open near the window frame. This apartment is the exact width of two windows and carries a stage setting, with the appurtenances of a theater stage, at all seasons of the year, and typical of all the important feasts, anniversaries and seasons.

At the present time St. Valentine's Day is being featured, and we are enabled to present a picture of this setting. A handsome girl, in wax, is seen driving a chariot of gold and crimson over a sea of clouds, the motive power furnished by a flock of doves. This represents the valentine of commerce, the paper filled and daintily perfumed variety for decades dear to the youthful heart. In the foreground is the valentine sentiment as preached by Hughes—the substitution of a nice box of flowers for the factory made article. A facsimile of an old colonial porch entrance to a mansion is seen, with the figure of a boy in the Hughes livery carrying a valentine box of flowers, the Hughes imprint on the box bearing the additional device of a pierced heart, the emblem of the day. The whole setting is artistically lighted electrically, colored lights in the sky scene and around the chariot, and with stage lights above and below. The imprint on the box of flowers is also illuminated. A foot sign in one of the windows bears the legend "Let me send your Valentine for You."

This setting will be followed by others for Washington's Birthday, St. Patrick's Day, Easter, Decoration Day, July 4, and so on. The different settings on the average necessitate an expenditure of from \$150 to \$200, but occasionally, in whole or part, the scenery may again be used for purposes of decoration in the general run of Mr. Hughes's business. Rather expensive, nevertheless, one might think, for local store advertising, yet Mr. Hughes has found it very profitable. It, however, is only one branch of Mr. Hughes's general advertising plan. As an auxiliary he publishes at each season, or with prominent window settings, small four-page illustrated folders, covering a suitable story for each occasion.

In the store proper some little reminder of St. Valentine's Day also appeared during the season. A lot of Christmas roping was arranged in lattice form upon the partition separating the store from the scenic apartment. Within each opening was suspended a small heart, cut from crimson cardboard. Large hearts of the same material were also hung in prominent places, and painted Cupids were seen everywhere.

As an additional attraction, and one which is another drawing feature in the advertising program, is a smaller deer park at the rear of the store, with a frontage of about 75 feet on Lincoln street. This park is fenced with wire and presents an uninterrupted view of the park residents which comprise, Billy, Fauna, Jasmine and Dearie, a quartette of domesticated deer, the delight of the children of the store's business radius, as well as of grown ups—Mr. Hughes accentuates his deer park exhibition by a folder which he distributes, entitled "Another Bear in Town." J. H. P.

The Bud-Rot of Carnations.

BY E. D. HEALD, Agricultural Experiment Station of Nebraska.

Other Diseases.

4. **THE FAIRY RING.**—This disease of carnations has been reported by various writers (Berkeley, Smith, Atkinson), and its common name has been derived from the fact that the fungus produces its fruiting hyphae in concentric zones around the center of infection. While the disease attacks mainly the foliage and stems it has been reported as affecting flowers and buds. Selby mentions the same fungus (*Heterosporium ochinulatum* (Berk., Cooke) as the cause of "leaf and calyx mold" of carnations, which produces unsightly discolorations on calyxes and pedicels as well as upon leaves. Sorauer has recorded a case in which the disease seriously affected the flowers. Many buds did not open at all or only slightly, and flowers that did open showed brown dry spots upon the petals due to the growth of the fungus and the accumulation of the spores.

5. **SPOT OF CARNATIONS.**—This disease which is due to *Septoria dianthi* Desm. is known to occur in both this country and Europe. The spots are circular or oblong with a dirty white or brown center, bordered by a dark purple band. The central area shows black specks or pyrenidia filled with spores. No mention is made by any writers who have studied this fungus of its occurrence on parts other than leaves and stems, although it is probable that it may be found on flower parts, at least the calyx.

6. **CARNATION LEAF MOLD.**—This carnation trouble has been described by Halsted and attributed to a species of *Cladosporium*. No specific name was assigned to the fungus. The fungus caused a spotting of the foliage and in severe cases the entire leaves or entire top of the plant were affected.

7. **ALTERNARIA DISEASE.**—This disease is known



St. Valentine's Day Window.



St. Valentine's Day Arrangement.

At Store of H. R. Hughes, Chicago.

to occur both in Europe and in this country. According to Sorauer the trouble first shows as yellow, slightly swollen spots on leaves, stem and calyx. Later the leaf turns brown and is completely killed, while the affected spots show a blackish powder due to the accumulation of *Uromyces* spores.

8. RUST.—This disease (*Uromyces carnophyllum* (Schr.) Schroet.) attacks carnations at all stages and affects any of the green parts producing the characteristic rust sori. Although this disease did not appear in the United States until 1891, it is now very generally distributed. It is present to a greater or less extent in nearly all greenhouses.

9. SMUT. Carnation smut (*Ustilago violacea* (Pers.) Fekl.) is not known to occur in the United States except on other hosts.

10. BOTRYTIS DISEASE.—According to Atkinson, carnation flowers and buds may suffer from the attacks of a *Botrytis*. This trouble is prevalent, especially when the soil and air of the greenhouse are kept too damp. Selby has briefly described the same trouble, but neither writer refers the fungus to a definite species of *Botrytis*.

In the foregoing list it may be noted that the only serious fungus diseases affecting the flowers are due to the fairy ring fungus and the unnamed species of *Botrytis*, which is probably *Botrytis vulgaris*. In addition to these the trouble known as "petrified buds," which is apparently a physiological trouble, was reported by Kennedy. Arthur has reported an abnormal condition of carnation flowers in which the petals become adherent. No animal or fungus parasites were found to be associated with this trouble.

Predisposing Causes.

The bud-rot of carnations is a disease that is not likely to prove troublesome in greenhouses that are kept in prime condition for plant growth. It is rather a disease of neglected houses, and just as certain human diseases are frequent in unhygienic surroundings, so the bud-rot is a disease that attacks carnations and becomes troublesome when the plants are subjected to unfavorable conditions. Only sporadic cases of bud-rot have ever been observed in the best houses, where proper cultural methods and greenhouse hygiene were practiced.

The first and perhaps the most important factor influencing the development and spread of the disease is the water relation. In all of the houses where the bud-rot has been prevalent the air and soil have been kept too damp. Over-watering, which keeps the soil saturated with water and supplies abundant moisture by evaporation, affords favorable conditions for the development and spread of the disease. This fact has been demonstrated by culture experiments in the greenhouse and is completely corroborated by the examination of conditions in houses where bud-rot has been prevalent.

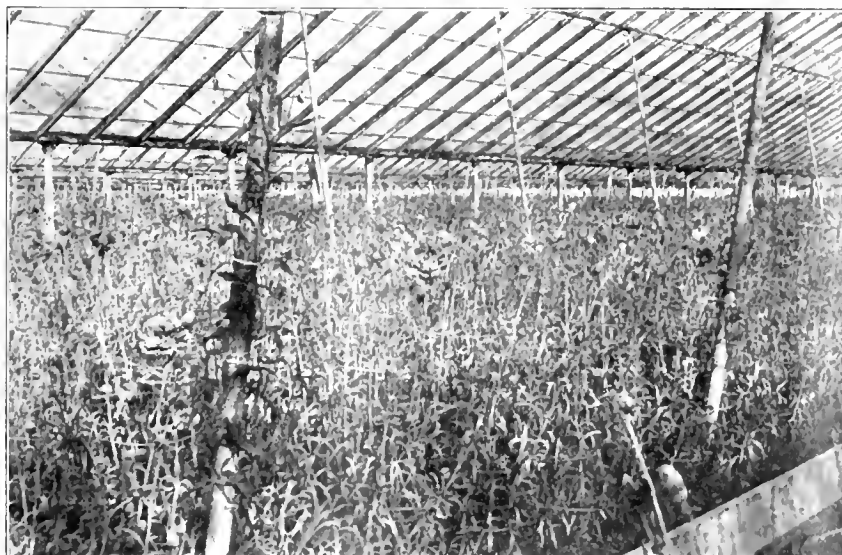
In addition to the water factor, mention should be made of the unhygienic practices that often prevail in poorly cared-for houses. The accumulation of debris in the form of leaves, trimmings and other plant remains, rotting benches, and decaying organic remains in general, afford favorable conditions for molds of various kinds, and this is especially true for the *Sporotrichum*, which is only a facultative parasite.

No varieties of carnations appear to be entirely ex-

empt from the bud-rot. Sporadic cases have been observed on all varieties grown in the houses where the trouble was prevalent. The Lawson has suffered more than any other variety and must be considered especially susceptible. The only other variety which has been at all seriously affected is the Queen Louise. Benches of these two varieties growing side by side often have double the number of Lawsons affected.

Prognosis.

The bud-rot does not seriously affect the plant, as the fungus is confined entirely to the buds. It has never been found growing on other parts. The injury is due, then, solely to the fact that affected buds produce deformed flowers or entirely fail to develop. Flowers which upon superficial examination appear only slightly malformed are badly rotted within the calyx and soon wither and die. This fact has been especially noted in the discussion of the symptoms. If the buds have remained without infection until the calyx has opened sufficiently to expose the tips of the petals, subsequent infection will cause but slight injury, as the fungus does not have time to develop before the flower has expanded. In houses where the trouble is severe the buds become infected when quite young, probably when not more than one-half inch long. When infection took place at this early stage, many of the buds rotted before they had time to open, or if they did open at all produced very imperfect and worthless flowers. The actual loss from the disease may vary from a fraction of one per cent. to twenty-five or more per cent. in badly affected plants. In one small house the grower reported a loss of \$1.50 to \$2 per day from the bud-rot of the Lawson variety.



Partial View of Range.



Full View of Range.

Carnations at J. A. Badlong's, Chicago.

Large Specimen Kentias

Kentia Belmoreana

Kentia Forsteriana

The first four mentioned are perfect plants

Greenhouses
FORDHAM HEIGHTS

David & Clarke's Sons, 2139-41 Broadway, New York

Suitable for Conservatory
or Hotel Decoration

10 ft. high, 8 ft. spread, 10 perfect leaves, 16 in. tub
10 ft. high, 9 ft. spread, 9 perfect leaves, 18 in. tub
12 ft. high, 8 ft. spread, 9 perfect leaves, 15 in. tub
made up 12 ft. high, 8 ft. spread, 10 perfect leaves, 18 in. tub
made up 12 ft. high, 8 ft. spread, 10 leaves, half perfect
single stem, 12 ft. high, 8 ft. spread, 9 leaves, half perfect
single stem, 11 ft. high, 8 ft. spread, 8 leaves, half perfect

ROOTED CARNATION CUTTINGS

	Per 100	Per 1000		Per 100	Per 1000
LAWSON	\$1.50	\$15.00	VICTORY	\$3.00	\$30.00
WINSOR	6.00	50.00	BEACON	6.00	50.00
ENCHANTRESS	2.00	15.00	JOOST	1.50	12.50
LADY BOUNTIFUL	2.50	20.00	HARRY FENN	1.50	15.00
NAYLOR	1.50	12.50	ELDORADO	1.50	12.50
			MRS. PATTEN	2.50	20.00

GRAFTED ROSES

\$12.00 per 100; \$100 per 1000. If you can furnish the scions we can quote you lower prices in any quantity you wish.

EDWARD J. TAYLOR, Greens Farms, CONN.

AS a matter of Business Policy it pays to satisfy a customer. This I am aiming to do in order to have your good will as well as your trade. Rest assured that I will do all in my power to satisfy you, for I am well equipped (better than ever) to supply you.

CARNATION ROOTED CUTTINGS

of high grade and can give prompt delivery. Pure WHITE ENCHANTRESS, BEACON, WINSOR, ARISTOCRAT, PINK IMPERIAL, \$6.00 per 100, \$50.00 per 1000. ROSE PINK ENCHANTRESS, WHITE PERFECTION, VICTORY, \$3.00 per 100, \$25.00 per 1000. ENCHANTRESS, M. A. PATTEN, HELEN GODDARD, HARLOWARDEN, \$2.50 per 100, \$20.00 per 1000.

Also all the best novelties of the season's introduction at the introducer's prices.

Drop me a line.

S. S. SKIDELSKY, 1741 No. 18th St., PHILADELPHIA, PA.

CARNATION CUTTINGS

WELL ROOTED. READY NOW. SPECIAL PRICES

To clean out benches while this lot lasts.

	1000	100		1000	100
ENCHANTRESS	\$15.00	\$2.00	PINK IMPERIAL	\$30.00	\$3.50
LAWSON	10.00	1.50	PINK PATTEN	15.00	2.00
J. E. HAINES	15.00	2.00	WHITE PERFECTION	25.00	3.00
ARISTOCRAT	30.00	3.50	WINSOR	50.00	6.00

ALBERT M. HERR, Lancaster, Pa.

WELL ROOTED Carnation Cuttings

Rose Pink Enchantress	100	1000	\$3.00	\$25.00
Enchantress	2.50	20.00		
Mrs. Lawson	2.50	20.00		
Genevieve Lord	2.00	15.00		
White Perfection	3.00	25.00		
Lady Bountiful	3.00	25.00		
Boston Market	2.00	15.00		
White Enchantress	6.00	50.00		
Winsor	6.00	50.00		
Aristocrat	6.00	50.00		
Mabelle	6.00	50.00		
Betsey	6.00	50.00		
Victory	6.00	50.00		

THE FLORIST'S EXCHANGE, Baltimore, Md.
Franklin and St. Paul Sts.

JOHN E. HAINES BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908:

John E. Haines, red	Imperial, variegated
Pink Imperial, pink	Enchantress, light pink
\$6.00 per 100	\$50.00 per 1000

Place orders early for December delivery.

CARNATIONS

Winsor, \$6.00 per 100; \$50.00 per 1000. White Perfection and Robert Craig, \$4.00 per 100; \$35.00 per 1000. Harry Fenn, October, Lawson and Patten, \$3.00 per 100; \$25.00 per 1000. Maceo, Fair Maid and Boston Market, \$2.00 per 100; \$15.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

CARNATION SPECIALTIES

Rooted Cuttings of the following now ready.

WINSOR	100	1000	\$5.00	\$50.00
WHITE PERFECTION	2.50	20.00		
ENCHANTRESS	2.50	20.00		
WHITE LAWSON	2.50	20.00		
M. A. PATTEN	2.50	20.00		
RED SPORT	2.50	20.00		
PINK LAWSON	2.00	15.00		
QUEEN	2.00	15.00		

250 at 10 0 rates. Cash with order please. Our stock is O. K. in every way.

VALLEY VIEW GREENHOUSES, Marlborough, N. Y.
VELIE BROS., Props.

ANNOUNCEMENT

Our new seedling carnation TOREADOR will not be disseminated until January, 1909. For further particulars address

THE H. WEBER & SONS CO., OAKLAND, MD.

CARNATIONS ROOTED CUTTINGS

The Queen, Best com. white	1.00	1.00	\$1.50	\$12.50
Harlowarden, Best crimson	1.50	12.50		
Mrs. Patten, Best var.	2.00	18.00		
Lady Bountiful	2.00	25.00		
Enchantress	2.50	20.00		

S. G. BENJAMIN, FISHKILL, N. Y.

PLANT CULTURE Price \$1.00

The best book for the Plant Grower.
A. T. DE LA MARE PTG. & PUB. CO. LTD. 2 to 8 Duane St., NEW YORK

California Plant Notes.

One of the pretty ornamental grasses found on a few private places about here is Chloris elegans. The foliage is a half inch broad, stubby, pointed, light green in color. The spikes are silky with two rows of bloom of a light yellow color, quite distinct, which gives the plant a pleasing appearance when in flower. It is a perennial, and under good cultivation grows three feet high.

Recently on one of my excursions to learn of plant life as it grows here, I found a fine specimen of Nephelium longanum, well set with fruit, which was one-half inch in diameter, the cover being rough and leathery, which separated readily from the pulp, which was about the color of gelatine, with a delicious flavor. It is the fruit of Nephelium Litchi, in its dried form, that Chinese vegetable peddlers on this coast distribute freely among their patrons during their New Year celebration, which occurs sometime during the month of February. It is an evergreen shrub, with lance-shaped compound foliage, the leaves not quite opposite. The variety in question bears the smallest fruit of the three in cultivation, and it would be worth while to test them for commercial fruits in Southern California. The quality of the fruit is very fine.

Since Christmas two fine specimens of Magnolia Soulangiana have been in bloom on a private place at South Figueroa street. This beautiful subject is discriminated against because of its deciduous habit. It is marvelous how this idea prevails on this coast, that no tree or shrub should be grown that is of a deciduous character. P. D. B.

FRINGED Double Petunias

	Per 100	Per 1000
Rooted cuttings by mail	\$1.25	
ABUTILON Savizii, R. C.	1.50	
VINCA variegated, R. C.	1.00	
ABUTILON, R. C., six varieties, French dwarf	1.50	
GAZANIA Splendens, R. C.	1.50	
HELIOTROPE, dark, from soil	1.00	
ASPARAGUS Sprengeri, 3 in. very strong	6.00	
PETUNIA, Grandiflora, single in var. R. C.	1.25	
SALVIA, tall and dwarf	1.00	
STROBILANTHES Dyerianus, R. C.	1.25	
GERANIUMS, Mme. Sallerai, R. C.	1.50	
AGERATUM, White and Blue	.75	

Cash with order, please.

GEO. J. HUGHES, BERLIN, N. J.

ASPARAGUS SPRENGERI

1-inch, \$6.00 per 100.

CARNATIONS

Unrooted cuttings, Joost, Harlowarden, Genevieve Lord, \$3.00 per 1000. Cash with order.

C. A. PETERSON
MAIN STREET, MADISON, N. J.

Chrysanthemum Rooted Cuttings

MONROVIA, MAUD DEAN and J. NONIN. Rooted Cuttings for March delivery, \$1.50 per 100.

ANTON C. ZVOLANEK,
BOUND BROOK, N. J.

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For Every Purpose. A card will bring our illustrated 1908 Catalogue.

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Successors to Nathan Smith & Son.

CHRYSANTHEMUMS

MISS CLAY FRICK (White Duckham). Rooted cuttings, \$2.00 per 100; unrooted, \$1.00 per 100. Other varieties, \$1.50 per 100; unrooted, 75c per 100. Cash.

HENRY EICHHOLZ, Waynesboro, Pa.

CARNATION CUTTINGS

Winsor, February delivery	100	1000	\$6.00	\$50.00
White Enchantress, February delivery	6.00	50.00		
Robert Craig, February delivery	3.00	25.00		
Victory, February delivery	3.00	25.00		
Enchantress, February delivery	2.50	20.00		
Mrs. Lawson, February delivery	2.00	15.00		

WHITE BROS. GASPORT, N. Y.

WHITE ENCHANTRESS

ROOTED CUTTINGS

\$6.00 per 100; \$50.00 per 1000.

E. SCHRADER,
NEW SPRINGVILLE, Richmond Borough, N. Y.

GLADIOLI

Write for 1908 trade list of Named Varieties, Color Sections and Choice Mixtures. First-class stock at reasonable prices.

E. E. STEWART, Rives Junction, Mich.

ROOTED CUTTINGS Prepaid per 100. Heliotrope, 50c; German Ivy, 75c. Alternanthera best red and yellow, 50c. Fuchsia, five finest kinds; Giant Marguerite Daisy, yellow; Double Alyssum, \$1.00. Ageratum, Gurney and Pauline. Coleus, best bedders Verbeina, best colors, 60c. Salvia, Bourbon and Splendens, 50c. Bazzania, to move at once; Primula Obconica Grandiflora, mixed, and Lily Primrose, 2 in. Will make fine stock for East if handled at once. \$1.75 per 100; 3 or more, \$1.50 per 100. Cash.

Shippensburg Floral Co., Shippensburg, Pa.

NEW A MONEY MAKER NEW

CARTER'S Double Blue Lobelia

\$2.00 per doz.; \$18.00 per 100

Cash with order, please

J. FULLER, 31 Orchard Street, Leominster, Mass.

AMPELOPSIS VEITCHII

50 strong well-rooted, transplanted, 18 to 24 inch tops, heavy roots, \$3.50 per 100. 10,000 well-rooted, 20 to 30 inch, \$2.50 per 100; \$20.00 per 1000. 1000 one-year seedlings, 12 to 24 inch, \$1.50 per 100; \$12.00 per 1000. In pots of 200 and over, \$10.00 per 1000; fine for transplanting; packed free of charge. For samples by mail send 25c. in stamps.

Address, CHARLES BLACK, Hightstown, N. J.

ROOTED CARNATIONS CUTTINGS

Prospector, Best Red, \$2.00 per 100; \$15.00 per 1000.

GERANIUMS

Double Grant, E. G. Hill, Mad. Barney, Brunell, Nutt, Alf. Ricard, Jean Viaud, \$1.50 per 100; \$12.50 per 1,000.

For immediate delivery.

J. W. ADAMS & CO., Springfield, Mass.

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WHOLESALE, JOBBING, CONTRACTING,
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VIOLETS VIOLETS

Marie Louise, ready August lot, clean and healthy in every particular. 3 in. pots \$5.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

St. Louis.

News Notes.

We had with us the past week J. J. Karins, traveler for Henry A. Droer, Philadelphia. B. Hibbert, president of the Hibbert Floral Company, De Soto, Mo., called on Saturday.

Arnold Ringier and his traveling mate, C. Lempe, who represent W. W. Barnard Company, Chicago, are in the city this week cutting on seedsmen, florists and nurserymen. They report large advance orders so far this year.

J. P. Metzler, late of Denver, Colo., has been employed by Fred. Foster until this week. Mr. Metzler is a first-class workman, having been formerly employed by Warendorf, New York, and others.

The Tinsley Seed Company of 912 North Broadway has issued a florists' price list of bulbs and seeds. The company has been very busy of late.

George Hecht reports that he will build two new houses this Summer on his Chayton (Mo.) place.

Emil Schray received the congratulations of his friends last week; Emil says it's a girl and that both mother and child are doing well. The new arrival came on Friday, February 7.

The executive committee of the St. Louis Horticultural Society has arranged to hold a Spring flower show next month, to which an admission fee of 25c. will be charged. Last Spring the same society gave a free show with great success. The hall in which the exhibition is to be given has not yet been made public.

Fred. Ammann, Edwardsville, was over the past week and says he expects quite a delegation of our local florists to attend the third annual convention of the Illinois State Florists' Association at Springfield, Ill., February 18 and 19. He also expects a large delegation from the Chicago Florists' Club. Ex-President Irish of the local Florists' Club will read a paper at this meeting. ST. PATRICK.

Cleveland.

News Notes.

F. R. Williams, manager of the Cleveland Cut Flower Company has been confined to the house with the grip for two weeks.

The Cleveland Florists' Club gave its annual carnation exhibition Monday evening, February 10, which was a pronounced success. George Bate was appointed chairman of the judges' committee, acting with John Kelly and Will Stode. The Lamborn Floral Company, Alliance and Canton, O., received certificate of merit for fine vase of White Perfection.

Merkle & Son, Mentor, O., also received certificate of merit for vase of Beacon.

Isaac Kennedy's vase of a sport of Bride rose likewise received certificate of merit.

F. R. Williams Company displayed a fine new carnation, sport of Enchantress, a decided improvement on that variety and a trifle darker, for which they received certificate of merit.

Richard Witterstaetter received certificate of merit for vase of new carnation Afterglow—the finest flowers in the hall. Carl Hagenberger, Mentor, O., had a fine display of lilacs, and received certificate of merit for 100 Princess of Wales violet.

Heepe's of Akron, O., showed a table of fine mixed carnations and received special mention.

Charles Bartelle, West Park, O., received special mention for carnations and certificate of merit for vase of Enchantress. O. G.

WEST END, N. J.—W. G. Eisele is introducing this season two new cannas, one named Long Branch, a cross between Queen Charlotte and Italia; an orchid-flowering sort with bright crimson flowers, having an irregular border of yellow. This was exhibited at the Jamestown Exposition and received a diploma and gold medal. The other, sent out under the name of Neil Campbell, is a deep orange yellow variety, a very free grower, and one that comes into flower early; the foliage is dark purple.

Mr. Eisele's well-known work among cannas would seem to insure that these two varieties will prove very satisfactory sorts.

SOMERVILLE, MASS.—M. J. Conroy, for many years a prominent florist here, died of heart failure on Saturday, February 8, 1908, aged 70 years. He leaves two sons and one daughter.

CYCLAMEN

Splendens Giganteum Hybrids

This strain has no equal or superior. Perfect flowers of giant type in five true colors, twice transplanted from flats \$3.00 per 100, \$25.00 per 1000, plants in bud and bloom from 4 in. pots \$15.00, from 5 in. pots \$20.00 per 100

PRIMULA OBCONICA GRANDIFLORA

The celebrated Kousdorfer & Lattmann Hybrids all colors in bud and bloom from 3 in. pots \$5.00; from 4 in. pots \$10.00; from 5 in. pots \$15.00 per 100.

ASPARAGUS PLUMOSUS NANUS

Special offer for first class grown stock from 2 1/2 in. pots \$3.00 per 100; from 3 in. pots \$5.00 per 100.

CINERARIAS HYBRIDA MAXIMA GRANDIFLORA

No better strain: from 2 1/2 in. pots \$2.50 per 100.

CANNAS. Standard varieties, dormant roots \$2.00 per 100, \$17.50 per 1000.

SATISFACTION GUARANTEED

PAUL MADER, East Stroudsburg, Pa.

A FEW GOOD THINGS YOU WANT Cash with Order.

- Asparagus Plumosus, 1 in., \$3.00 per 100; 3 in., \$5.00 per 100. Asparagus Sprenger, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100. ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100. Geranium Scottia, 5 in. 30c. each. Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poitevine and Viaud, 2 in. pots, \$3.00 per 100. Rooted Cuttings, \$1.50. VINCA VAE, 2 in. \$2.00 per 100. Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.

Geo. H. FHMANS, NEWTON, N. J.

- ASPARAGUS Plumosus, 2 in., \$2.25 per 100; \$20.00 per 1000. STOCKS, double white, 5 in., 10c. REX BEGONIA, separate varieties, 2 in., strong, \$3.00 per 100. ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100. GERANIUMS, S. A. Nutt, Heteranthie, Gloire de France, strong plants, 2 in., \$2.00 per 100; \$19.00 per 1000. Mixed, strong plants, \$1.75 per 100; \$17.00 per 1000. ARAUCARIA, 20 in., four tiers, \$1.00. FERNs, Scottia, 4 in., 10c.; 5 in., 15c. CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100. Will exchange for Geraniums, R. C., Carnations, R. C. Write us.

J. H. DANN & SON WESTFIELD, N. Y.

Asparagus

- Sprenger, 2 in. 2c. SWAINSONA Alba, 2 in., 2c. FERNs, Pison and Elegantisima, 2 in., 3c. IMPATIENS, 2 in., 2c. CABBAGE PLANTS, Wakefield, Express, and Winnigstadt, \$1.00 per 1000. ROOTED CUTTINGS below prepaid per 100. Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 3 kinds, \$1.00; Vioen Variegata, 2c.; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Flowering Begonias, \$1.25. Coleus, 10 kinds, 60c.; Hardy Pink, 5 kinds, 75c.; Ageratum, Gurney, Pauline, Inimitable, white, 60c.; Alternanthera, 3 kinds, 50c.; Salvia, Bonfire, Splendens, 90c.; Feverfew, Gem, \$1.00; Impatiens, 3 kinds, \$1.00; Parlor Ivy, 75c. Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

PANSY PLANTS

- 1000 100 Giant Flowering \$2.50 \$0.50 COLEUS, 10 var. 2 1/4 pot 2.00 CANNA Henderson, dry bulbs 2.00 GERANIUMS, 10 var. 2 1/2 pot 25.00 3.00 V.NCA Variegated, 2 1/4 pots 2.50 CASH

JOS. H. CUNNINGHAM, DELAWARE, O.

Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

Prices Advertised in these Columns are for

New Violet Boston



Description and points of particular merit: This Violet has sustained its former reputation and is steadily advancing in esteem, until now it is becoming the ranking Violet of its class. The Committee believes this 'Violet' will be a profitable variety for all purposes Commercial as well as private use.

Given by the Gardeners and Florists Club of Boston this 15th month of November 1907. Thos. H. Weston, Secy. William W. Gray, Chairman.

THE PROOF OF THE PUDDING

After a critical examination of the BOSTON VIOLET for two seasons the Gardeners and Florists' Club of Boston awarded it a Report of Superior Merit. Distribution will commence in April. Order now. Prices: \$2.00 per 12, \$12.00 per 100, \$100.00 per 1000. WILLIAM SIM, Clifondale, Mass

STOCK YOU NEED NOW.

GERANIUMS

A. H. Trego, John Doyle, S. A. Nutt, Bertha de Pressilly, Mad. Barney, \$2.50 per 100. Our choice of varieties in pink, red and white, \$2.00 per 100.

BEGONIAS

Marjorie Daw, Thurston, Metallea, Rubra and Argentea Gutata, \$1.00 per 100. Tuberos-Roote—Single: In named colors, white, pink, scarlet, crimson and yellow, \$3.00 per 100; Mixed, \$2.50 per 100. Tuberos-Roote—Double: In named colors, white, pink, scarlet, crimson and yellow, \$5.00 per 100; Mixed, \$4.00 per 100.

CANNAS. We have a large list of standard varieties including Chas. Henderson, Crimson Border, Beautie Poitevine, Florence Vaughan, Queen Charlotte, Souv. de Antoine Crozy, etc., strong 2-eye divisions, \$3.00 per 100; \$25.00 per 1000.

- DAHLIAS (Field-grown roots) Wm. Agnew, Countess of Londale, Nemphes, Mrs. Wellesley, Admiral Dewey, A. D. Dixon and Fern-Leaf Beauty, \$5.00 per 100; Grand Duke Alexis and Kronshilde, \$7.00 per 100. MARGUERITE, Queen Alexandra \$3.00 per 100; Coronation, \$3.00 per 100. BOSTON FERNS. Plants well established in 2 1/2 inch pots, \$1.00 per 100; \$30.00 per 1000. SMALL FERNS for dishes \$2.50 per 100. ASPARAGUS PLUMOSUS NANUS, 2 1/2 inch pots \$3.00 per 100, \$25.00 per 1000. BOUGAINVILLEA GLABRA SANDELETANA, 2 1/2 inch, \$1.00 per 100; 1 inch, ready to bloom, \$20.00 per 100. BONWOOD, Pyramids, 36 inches high, \$1.75 each. BONWOOD, Bush form, very heavy, 30 to 36 inches high, \$2.00 each. RHODODENDRONS. Short, well formed plants for pots, full of buds, 18 inch size, \$9.00 per dozen; 24 inch size, \$12.00 per dozen. AZALEA MOLLEIS. Bushy plants, full of buds and easy to force, 12 to 15 inches high, \$25.00 per 100; 15 to 18 inches high, \$35.00 per 100. KENTIA PALMS in all sizes. LANTANA BORBONICA. 7-inch pot plants, 75c. each; 8 inch pot plants, 6 to 7 leaves, 20 to 22 inches high, \$1.25 each.

THE STORRS & HARRISON CO., Painesville, Ohio

Rooted Cuttings VINCAS

HELIOTROPE (dark) 60c. per 100; \$5.00 per 1000. FINEST DOUBLE LUCASIAS, 2c. per 100, \$6.00 per 1000. NEW DOUBLE PETUNIA, The Queen. A fine bloomer, white tinged with purple, requires no staking, \$2.50 per 100. SALVIA Zurich, new dwarf ever-blooming variety, \$2.00 per 100. SALVIA Bonfire, 90c. per 100. AGERATIUMS, S. Gurney and P. Pauline, 2c. per 100; \$1.00 per 1000. GERANIUM IVA, 50c. per 100; \$4.00 per 1000. Strong and well-rooted. Cash with order. J. P. CANNATA, Mt. Freedom, N. J.

Vinca var., fine large plants out of 4 in., \$6.00 per 100; 2 1/2 in., \$2.00 per 100. ALYSSUM, double, in bloom, fine 2 1/2 in., \$2.00 per 100. PRIMULAS, Obconica, baby and Chinese, in bloom, 4 in., \$5.00 per 100; 2 1/2 in., \$2.00 per 100. J. C. SCHMIDT, BRISTOL, PA.

PLANT CULTURE

The Best Book for the Plant Grower \$1.00 A. T. DE LA MARF PTG. & PUB. CO. LTD., 2-8 DUANE STREET, NEW YORK THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock, For Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cents per line, count 12 lines agate to the inch.

If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—As saleslady and make-up, experienced, excellent references. W. O. Meyer, 406 West 234 street, New York.

SITUATION WANTED—German, 30 years' experience, good grower of cut flowers and pot plants, South preferred. Address, P. Zell, 349 65th street, care Mrs. Larson, Brooklyn, N. Y.

SITUATION WANTED—Gardener, florist, single, German, 30, grower of roses, carnations, chrysanthemums and vegetables. Good propagator, references. Address, Florist, 3050 Third avenue, New York City.

SITUATION WANTED—German florist, 25 years of age, wants position in general greenhouse work; 10 years' experience, good references. Alf. Muder, care Gibnick, 1237 Avenue A, New York City.

SITUATION WANTED—By nursery foreman; expert propagator and capable manager of greenhouses and outside. Full particulars on application. Open for engagement after 1st of March. Address, S. W., care The Florists' Exchange.

SITUATION WANTED—By practical gardener, 10 years' all-around experience in greenhouses and outside. Wishes steady position on private or commercial place, able to take charge. German, aged 26, single. Address, Wm. Dimanowski, Collinsville, Conn.

SITUATION WANTED—As head gardener on private estate, thoroughly experienced in all branches of outside and greenhouse. Also growing fruit under glass. Capable of managing a first-class private place. American nationality, strictly sober, best of references. J. E. Chase, Box 232, Great Neck, L. I., N. Y.

SITUATION WANTED—Gardener, florist, married, aged 45, wants permanent position with greenhouse, after April 1. Able to take full charge of gentleman's estate; near New York preferred. Reference last employer. Write F. Glock, 50 Broadway, New York City.

SITUATION WANTED—By German gardener and florist, married, 30 years of age, 16 years' experience in landscape gardening and greenhouse cultivation, wishes position as foreman on first-class private or commercial place, good references. Julius Baner, Fernbrook, Bordentown, N. J.

SITUATION WANTED—By a thorough up-to-date grower of strictly first-class cut flowers, roses, carnations, bedding stock, pot plants and Easter goods. Good pay for good services. A visit to my present place will be a pleasure. I desire a change. Address, F. P. B., care The Florists' Exchange.

SITUATION WANTED—By Hollander as foreman on commercial place, 18 years' European and American experience in the growing of plants and cut flowers, forcing bulbs, valley, etc. Three years in present place. Good references, aged 34, single. State full particulars in first letter. Address, J. P. Sullivan, The Highlands, Newton Square, Pa.

SITUATION WANTED—By practical all-around florist, as manager of roses, carnations, bedding plants, etc., commencing at 10 o'clock, 10 days' advance charge, 20 years' experience and best of references as to character and ability. Only those who require the same should be contacted in no need answer. Address, A. B., care The Florists' Exchange.

SITUATIONS WANTED

SITUATION WANTED—By a Scandinavian as head gardener of private, or foreman on up-to-date commercial place. Married 15 years' practical all-around European and American experience. Graduated from Botanical and Horticultural school in Sweden, competent grower and propagator in and outdoors, landscape work. Sober, a hustler, first-class references as foreman and manager. State full particulars with salary in first letter. Address, S. S., care The Florists' Exchange.

HELP WANTED

WANTED—A good man for general work in greenhouse. Address, J. B. Tully, Florist, Binghamton, N. Y.

WANTED—A young lady who has had experience as a designer and who can wait on customers. Reference required. Address, L. P., care The Florists' Exchange.

WANTED—Gardener, competent all-around Protestant man, private family; married, no children, or single; not under thirty. Address, by letter, L. D., 40 West 45th street, New York City.

WANTED—At one, rose grower to take charge of a section. Permanent position to a competent man. Call or write to Edgar C. Hopping, Floram Park, N. J., near Madison R. R. Station.

WANTED—Good grower of carnations, chrysanthemums and general bedding stock. Single man, state wages with board. References wanted. H. B. Thompson, Canonsburg, Pa.

WANTED—Young man with some experience in orchid growing, \$30.00 per month with board and lodging, references wanted. A. Perciat, Collingdale, Del. Co., Pa.

WANTED—Man for retail greenhouse work; one with some knowledge of outside work preferred, German speaking English. Must be active, honest and temperate; reply at once, stating age, references, and wages expected. Address, H. X., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars at same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Disassembled and removed at once. Terms Cash. Address, F. X., care The Florists' Exchange.

WANTED—I have a splendid opening for a good florist and gardener as a partner. Want to plant eight or ten acres of tomatoes besides doing other gardening, have 14,000 feet of glass. Must commence by April 1. State just how situated in first letter and full information will be sent. Address, S. J. McMichael, Box 183, Findlay, O.

FOR SALE OR RENT

FOR SALE—Four greenhouses, all stocked; seven acres land, dwelling house, etc. Situated on Long Island. Will sell at a bargain. Box 201, Farmingdale, L. I., N. Y.

TO LEASE—Four greenhouses containing about 49,900 feet of glass, in good running order. Ideal place for wholesale grower. For description address N. P. McCarthy, 34 Hawley street, Boston, Mass.

FOR SALE—Store, established, trolley transfer corner, subway express station. Five years' lease, \$55.00, double store. Books open for inspection. Satisfactory reasons; liberal terms. Address, W. C., care The Florists' Exchange.

FOR SALE—Near New York, a well paying cemetery business, established twenty years, a fine dwelling with a large florist store, to lease to responsible party. For information address H. E., care The Florists' Exchange.

FOR SALE—The bankrupt estate of Howard A. Chase of Philadelphia, late treasurer of The R. G. Chase Nursery Company of Geneva, N. Y., offers for sale 130 shares of the stock of The R. G. Chase Company of Geneva, N. Y., full paid and non-assessable, the said shares being now in the hands of the trustee for the bankrupt. The trustee will receive sealed proposals for the purchase of the said stock up to and including February 26, 1905. This offer is made by the trustee subject to the approval of the District Court of the United States for the Eastern District of Pennsylvania, the trustee reserving to himself the right to reject any and all bids if the same in his judgment should not be satisfactory. Address bids to Chester N. Farr, Jr., Trustee, 315 Real Estate Trust Building, Philadelphia, Penna.

FOR SALE OR RENT

FOR SALE—Florist and seed business; store well furnished with ice-box, counters, show cases, seed drawers, etc. Will sell at a reasonable price. Address, Stead, Florist, Broadway and Walker avenue, Woodhaven, L. I., N. Y.

FOR SALE—Ten acres of fine soil for roses and carnations; five greenhouses recently built, heated with steam boiler capable to heat three times as much glass. The houses are stocked with roses and dahlias. Excellent railway facilities, 22 miles from Philadelphia. Price, \$15,000. Possession immediately or April 1. Can sell twenty acres if desired. Address, P. O. Box 77, North Wales, Pa.

STOCK FOR SALE

MOON VINES—Strong rooted cuttings, \$1.25 per hundred, postpaid. Cash with order. Wachendorf Bros., Atlanta, Ga.

HEALTHY, strong cuttings, unrooted, Enchantress, \$3.00; Queen Louise, \$5.00 per 1000; Wm. S. Herzog, Morris Plains, N. J.

CANNAS, Fine roots, two or more eyes, 70 varieties, inside prices. Ask for list. Binghamton Seed Co., Box 42, Binghamton, N. Y.

POMATOES—Globe Comet and Lorillard forcing, good size, healthy, \$35.00 per 1000. J. H. A. Hutchinson, Prop. Locust Street Greenhouses, Oxford, Pa.

DRACENA INDIVISA—Thrifty young plants, from 3-inch pots, \$3.50 per hundred. Fine for growing on. Cash with order. Wachendorf Bros., Atlanta, Ga.

1000 DRACENA INDIVISA, 3-inch, ready for 4-inch; 10,000 good clean flower pots, all sizes; wagon heater, 3 drawers; 1500 feet of 1-inch steam piping. C. D. Zimmerman, Buffalo, N. Y.

SALVIA BONIFIRE, Fresh seed \$2.25 per oz. Let us price your whole list flower seeds. Fresh importations from best European growers. Binghamton Seed Co., Box 42, Binghamton, N. Y.

CANNAS—Chas. Henderson, The Express, Rubin, Buttercup, Mad. Berat, Kate Gray, Austria. Strong two and three eye divisions, \$2.50 per hundred. Cash with order. Wachendorf Bros., Atlanta, Ga.

FIRST-CLASS Primula obconica grandiflora seed, hand fertilized, something extra fine, 90 per cent, finest dark colors. Sole trade pkg. Henry Krinke, 43 West Jessamine street, St. Paul, Minn.

SEEDS, Belgiano's extremely early I. X. L. Tomato, \$5.00 per pound; large, smooth, immensely productive. Send postal for 1905 illustrated catalogue. Belgiano's Seed Store, established 1818, Baltimore, Md.

DAHLIA ROOTS—Undivided field clumps, Lyndhurst, Mail of Kent, William Agnew, White Swan, Krenshilde, John Walker, Catherine Duer and A. D. Livonia. Write for low prices. Wood & Healey, Hammon, N. J.

SHAMROCKS—Genuine Irish shamrock, original plant coming from cemetery, Downpatrick, Ireland. Without pots, \$4.00 per 100, \$35.00 per 1000; with pots, \$4.50 per 100, \$40.00 per 1000; 250 at 1000 rate. Order early. Terms, cash. J. D. Harcourt's Son, Wappingers Falls, N. Y.

SAND-ROOTED Carnation Cuttings, A No. 1 stock, express paid. Victory, \$22.00; Pink Lawson, \$18.00; White Enchantress, \$18.00; Rose Pink Enchantress, \$30.00; Winsor, \$48.00; Lady Bonifant, \$25.00 per 1000. A. Lamb & Son, Hughsonville, Dutchess County, N. Y.

TWENTY Thousand Rooted Chrysanthemum Cuttings, \$8.00 per 1000. Engu-hard, Major Bonaffon, Jerome Jones, Pettin, Polly Rose, Pacific, Haliday, White Bonaffon, Nonin, Eaton, Cullingford and other varieties. Cash with order. Newtonville Avenue Greenhouses, Newtonville, Mass.

FOR SALE

8000 ENCHANTRESS from soil strong healthy plants shifted twice.

These cuttings were all selected for my own use but have decided to put in roses, and so offer the lot or any part at \$20 per 1000, all guaranteed as represented.

A. L. THORNE, FLUSHING, L. I.

Buffalo, N. Y. News Notes.

Friday evening, February 7, a meeting was held to endeavor to awaken the present florists' club out of its coma. The attendance was surprisingly large. A nice supper was served, after which Mr. Sangster, Mr. Adams, Mr. Slattery and Mr. Brucker each made earnest appeals for more brotherly love and a better feeling. Their speeches were well received. Mr. Brucker had application blanks ready, and thereby got the signatures of all present. After the meeting all indulged in several games of bowling.

Miss Gertrude Sauer of Anderson's has the heartfelt sympathy of her many friends in the loss of her brother by death.

Daniel E. Long has a fine line of Easter novelties in tags, circulars and suggestions for the retail florists.

W. H. GREVER.

FOR SALE

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parslusk Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

Tobacco Stems and Tobacco Dust, Stems, 2c. per lb. in bale lots. Dust, 2c. per lb. in case lots. Weight of bale or case, 300 to 400 lbs. each. Cash with order. S. R. Levy, Binghamton, N. Y.

FOR SALE—Greenhouse material and bot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE—Second-hand boilers. One No. 5 Weathered, capacity 1,000 feet, 4 inch pipe; one No. 5 Hitchings, capacity 900 feet, 4 inch pipe; one No. 57 Hitchings, sectional, capacity 2,500 feet; two eight-sectional Weathered boilers. Write for information and prices. Wm. H. Lutton, opp. West Side Avenue Station (C. R. R. of N. J.), Jersey City, N. J. Telephone 412 Bergen.

FOR SALE

New greenhouse glass, very cheap for cash. Send inquires. Address C, care The Florists' Exchange.

FOR SALE

PIPE Good serviceable second hand, No Junk, with new threads. 1 in. 2 1/2c.; 1 1/2 in. 3 1/2c.; 2 in. 4 1/2c.; 2 1/2 in. 5 1/2c.; 3 in. 6 1/2c.; 4 in. 7 1/2c.; per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy 3/4-1 in. \$3.00; No. 2 cuts 1 1/4-2 1/2 ins. \$4.00; Armstrong Adjustable No. 2 cuts 1/2-1 in. \$4.00; No. 3 cuts 1 1/4-1 1/2 ins. \$6.50. Second-hand Armstrong, No. 3 \$5.00; No. 2 \$3.00.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$20.00; one 16 in. grate, new round boiler, heating 900 sq. ft. of glass, \$40.00, 1 No. 530 Richardson, five section water boiler, grate 20 by 28, heat about 5000 sq. ft. of glass, used one season, \$125.00, 1 American Radiator Ideal, eight section water boiler, grate 67 by 49, heat about 15,000 sq. ft. of glass, price \$225.00, 1 Pierce Butler and Pierce Sterling Round Sectional boiler, grate 20 inches, heat about 1800 sq. ft. of glass, price \$50.00. The above boilers are guaranteed to be in good condition. We have other sizes and makes; write for prices.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in., 18 in., grips 2 in. \$1.40; 24 in., grips 2 1/2 in., \$2.10; 36 in., grips 3 1/2 in., \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$3.50.

GARDEN HOSE 50 ft. lengths 3/4 in., guaranteed, 8 1/2c.; for heavy work, guaranteed, 12 1/2c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft., 6 ft. 80c.; glazed complete \$1.60 up. Second-hand sash glazed, \$1.25, good condition.

GLASS New American, 50 ft. to the box. 10x12 single at \$1.80 per box. 10x12, 12x12, B double, \$2.30 per box. 12x14 to 12x20 and 14x14 to 14x20, 16x16 and 16x18, B double, \$2.50 per box. 16x20 to 16x24, 12x24, B double, \$2.65 per box.

PECKY CYPRESS \$25.00 per 1000. We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

NEW ROSE

MRS. JARDINE

The following testimonials are from some of the most critical men in the trade in New York:

New York, Jan. 7, 1908.
 Mr. W. P. Craig, Forty-ninth and Market streets, Philadelphia, Pa.
 I have deferred writing to you regarding the pink rose Mrs. Jardine in order to give it a thorough trial. I have this to say about it: I find it an excellent keeper that its color remains true, and without a particle of doubt it will fill a long-felt want. It is in itself a dignified rose; its color is of the most refined pink, it seems to improve in use, its odor is sweet and refreshing and my only regret is that it is not in the market at the present time.
 Yours sincerely,
 CHARLES THORLEY.

New York, Jan. 17, 1908.
 Mr. W. P. Craig, Philadelphia, Pa.
 Dear Sir: We wish to thank you very much for the samples of rose, Mrs. Jardine, sent to us. We certainly think it is a fine addition to the rose family, and in point of fragrance is queen of them all. We find after keeping these roses two or three days they are really in better shape than the time we received them, and think it should certainly become very popular. With kind regards, we remain,
 Yours truly,
 TRENDLY & SCHENCK.

Washington, D. C., Jan. 18, 1908.
 Mr. William P. Craig, Philadelphia, Pa.
 Dear Sir: We cannot too highly commend your new rose, Mrs. Jardine. The sample cluster which we had in our window two days, then shipped to Washington, is still in perfect condition, and the color is as clear and true pink as when first received. In color, foliage, length of stem, fragrance and durability Mrs. Jardine leaves nothing to be desired. Very truly yours,
 J. H. SMALL & SONS.

Washington, D. C., Jan. 18, 1908.
 The Mrs. Jardine roses specified above are still in excellent condition; their quality and durability are without precedent.
 J. H. SMALL & SONS.

New York, Jan. 15, 1908.
 Mr. William P. Craig, 1305 Filbert street, Philadelphia, Pa.
 Dear Sir: Pardon delay in replying to yours. Regarding the new rose, Mrs. Jardine, I have been desirous of thoroughly testing this new introduction to the rose family and to be better able to criticize its characteristics. I regard Mrs. Jardine as possessing most excellent qualities. The rich pink shade in the bud, becoming a lighter color as the rose develops, together with its delightful fragrance, gives it very pleasing attributes and consequently it is a most desirable acquisition. The strong wood, which is nearly thornless, together with the bright, vigorous foliage, is invaluable and commendable to the retail florist. Its durability and lasting qualities when cut (very necessary characteristics for success) are almost unrivaled.
 Respectfully,
 ALEXANDER McCONNELL.

New York, Jan. 9, 1908.
 Mr. W. P. Craig, 1305 Filbert street, Philadelphia, Pa.
 Dear Sir: We find the Madame Jardine rose excellent in every way, opening very double and holding its color exceedingly well. It has a color which is a very true pink and a most popular shade. Its stem shows very good strength until the last, and the size and color of the foliage are very good. Thanking you again for the samples of this splendid rose, we remain
 Very truly yours,
 GEORGE M. STUMPP.

New York, Oct. 16, 1907.
 Messrs. Robert Scott & Son, Sharon Hill, Delaware County, Pa.
 Gentlemen: At the meeting held Monday evening, Oct. 14, the vase Mrs. Jardine exhibited was greatly admired and was awarded a preliminary certificate by our committee on awards. I wish to add that I placed some of these blooms in my window Tuesday morning, and they were indeed a great attraction. It is one of the most pleasing roses I have seen in years, and I prophesy a great future for it.
 Yours very truly,
 JOHN YOUNG, Secretary.

Every Florist who Plants a Rose for Winter Forcing wants at least Six Qualities:

- A free, strong growth, with good foliage.
- A variety that can be easily grown.
- Large flowers on long stems.
- Delicious fragrance.
- Distinct, pleasing color that will sell at sight.
- A rose that will hold its color in the dull days of December and January.

MRS. JARDINE has all these characteristics, and, in addition, is of so perfect a form that it can be used either in the bud or half expanded flower. The color is a bright rosy pink, shading in the outer petals to salmon pink, and, even in January when Bridesmaids and Killarney lose their color, Mrs. Jardine is as bright as in October or March. MRS. JARDINE is not a chance seedling, but was raised by Messrs. Alexander Dickson & Sons, Newtownards, Ireland. This firm has not only given us Liberty and Killarney, but has sent out more new roses of merit than any other Rosarians in the world. Over two years ago we spent three weeks in their trial grounds, and from three thousand seedlings we selected thirty-five varieties that we thought would be successful in this country for winter forcing. After testing these for two years we have selected one—MRS. JARDINE—which has with us, and which we think will with all good rose growers, fulfill all the qualities as stated above.

We extend a cordial invitation to everyone interested in this new Rose to visit our Nurseries and see it growing. We have it both own roots and grafted plants, and in all stages of growth. As the demand for this superb novelty will be very large, kindly place your orders early, as we fill in rotation in March, 1908.

MRS. JARDINE has been awarded two silver medals, numerous certificates and successfully stood the best test which any novelty can possibly have in passing unanimously, in December, the award committee of the *New York Florists' Club* after an exhaustive examination of the growing plants, with a score of 92 POINTS.

May We Send You Some Special Printed Matter About Mrs. Jardine?
 Strong plants on own roots from 2 1/2-in. pots, \$6.00 per dozen; \$30.00 per 100; \$70.00 per 250; \$250.00 per 1000; 5000 for \$1,125.00; 10,000 for \$2,125.00

Grafted on Dickson's Manetti Stocks, \$5.00 per 100 additional.

Address Orders to

Robert Scott & Son

William P. Craig

SHARON HILL

OR

Sole Selling Agent
 United States and Canada

Delaware County

— Pennsylvania

1305 Filbert St., PHILADELPHIA, PA.

QUALITY BEST **GLADIOLUS** PRICES LOWEST

AMERICA. The finest pink; cannot be beaten	Per 100	Per 1000	All bulbs are guaranteed sound and the very best in the market. Special low prices on all other Spring bulbs, plants and roots.
AUGUSTA. " " white and rose " "	\$7.00	\$60.00	
MAY. " " white and rose " "	2.00	17.50	
BRENCHLEYENSIS. Brilliant scarlet	1.75	15.00	
WHITE and LIGHT. The finest in the country	1.50	10.00	
UNCLE SAM. Extra fine, all colors	1.50	12.00	
	1.00	9.00	

F. W. O. SCHMITZ,

Prince Bay, N. Y.

HYDRANGEA

AMERICAN EVERBLOOMING

(H. arborescens sterilis). The largest stock in America of strong 1 and 2-year nursery grown plants of this best of all hardy flowering shrubs.

THE E. Y. TEAS CO., Centerville, Ind.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

THE FLORISTS' EXCHANGE

NEW CRIMSON CARNATION **HARVARD**

The color of this novelty is a very rich crimson. The blooms are of the finest as to size and quality and the habit is free and continuous, every shoot producing a flower with a calyx which we guarantee as non-bursting. Blooms borne on long, wiry stems from 24 to 30 inches and over. Price \$12.00 per 100, \$100.00 per 1000. Usual discount on large quantities.

New Carnation FAUST (BRILLIANT SCARLET) This novelty very fine for commercial use, owing to its extreme productiveness; a fine one for Christmas trade. Color, form, stems, habit and productiveness all that can be desired. Price \$6.00 per 100, \$50.00 per 1000. Usual discount on large orders.

Mr. J. D. COCKCROFT, Northport, N. Y. NEW YORK, January 16/08.
Dear Sir—We desire to congratulate you on the two varieties of Carnations, GEORGIA and HARVARD, which you have been sending us. Georgia we consider to be the best white carnation that comes to New York, and can easily sell from 50% to 100% more than regular white. Harvard we think to be the best dark red coming here, easier to sell at double the price of any other dark red. With kindest regards, we remain,
Yours truly,
IRAENDLY & SCHENCK, Wholesale Florists.

ADDRESS ORDERS TO **JAMES D. COCKCROFT, Northport, L. I., N. Y.** REMEMBER WE GUARANTEE SATISFACTION

Standard Varieties

Strong, Healthy, Rooted Cuttings

	Per 100	Per 1000
Winsor.....	\$6.00	\$50.00
Rose Pink Enchantress.....	3.00	25.00
Enchantress.....	2.50	20.00
Lawson.....	2.00	15.00
Queen.....	2.00	12.50
Victory.....	2.50	20.00
Queen Louise.....	2.00	15.00
Red Sport.....	2.50	20.00
Pink Patten.....	3.00	25.00

THE NEW CARNATION

Afterglow

Winner of the following prizes at the Washington Exhibition of the A. C. S. held last week:

The A. C. S. Silver Medal.
The S. A. F. Bronze Medal, for best 100 blooms of Lawson shade of pink. Also awarded
The Silver Cup, offered by W. J. Vonderheide for the best 100 blooms of any variety to be disseminated in 1908.

GOLD MEDAL by the Rhode Island Horticultural Society at Providence, Nov., 1907. (Exhibited by Wm. Nicholson)

FIRST PRIZE by the St. Louis Horticultural Society at St. Louis, Mo., Nov., 1907. (Exhibited by E. G. Hill Co.)

SCORED the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S., Jan., 1907, after arriving 24 hours late from Framingham, Mass.

ASIDE from these honors, the fact that it has been grown successfully wherever it has been tried, is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation, for well grown, well rooted cuttings at

\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

WILLIAM NICHOLSON, THE E. G. HILL CO., DAILEDOUZE BROS., R. WITTERSTAETTER,
Framingham, Mass. Richmond, Ind. Flatbush, Brooklyn, N. Y. Originator, Sta. F, Cincinnati, O.

Plant Notes.

GLOXINIAS IN FRAMES.—Many florists grow gloxinias for the flowers exclusively and those who do so will find less trouble in growing these plants for that purpose in frames than in pots continuously in greenhouses. When frame culture is decided upon for a certain number it will be well to select the required number of bulbs, picking out the largest and oldest from the stock, and keeping them back until it is absolutely necessary to start them. When that is the case proceed in the same way as if the plants were intended for pot culture finally. The plants may be placed in the soil prepared for them in the frames when the temperature outdoors can be relied upon to be warm enough to suit their requirements. Careful watering is fully as necessary for the successful cultivation of gloxinias in frames as it is in the case of pot culture indoors. The glass should be provided with moveable shade for the protection of the plants from the direct sunlight during part of the day.

DRAECAENA INDIVISA.—One of the most useful plants for retail florists is Dracaena indivisa, there being almost endless purposes to which this graceful and accommodating plant can be successfully used. For filling tubs, vases, window boxes and other like outdoor embellishments in Summer it is almost indispensable; and again when something other than a fern, aspidistra, or palm is desired for indoors a well-grown Dracaena indivisa will give about as much satisfaction as any other subject. It takes two years to make good specimen plants of Dracaena indivisa. Seed should be sown early in the Spring and the plants subsequently potted up as their growth requires it until the Summer following, when they should be planted outdoors in the open ground and left there until it becomes necessary to remove them for safety.

HERBACEOUS CALCEOLARIAS are now making growth rapidly and any check or hindrance will affect them greatly. It has been many times said of these plants that if kept cool and given plenty of room and enough to eat and drink they will get along all right; so they will, but if any one of these necessary conditions is absent the plants are quick to show resentment. In shifting calceolarias for the last time or into their flowering pots a compost of two-thirds good turfy loam and one-third of equal parts well rotted cow manure and leaf mold, with the addition of a sprinkling of sand, should be used. Like all quick rooting and growing plants of this nature, it is not to their advantage to pot very hard, nor so loosely as to allow the water to run through too quickly. The plants should have plenty of light and a position as near the glass as circumstances permit. After the roots are well through the soil in the flowering pots liquid manure ought to be applied at regular and quite frequent intervals; there need be no fear of injuring them by overfeeding after the plants attain that stage of growth.

JERUSALEM CHERRIES.—Results out of proportion to the trouble involved will repay careful attention to the growing of a large lot of Jerusalem cherries. From seeds sown from now until a little later fully developed plants will be available for next Christmas. The seed should be sown in shallow pans two-thirds filled with loam and leaf mold, first providing good drainage. The pans should be placed in a gentle heat where the seedlings will soon make their appearance. When sufficiently large to handle prick off the seedlings in flats,

ROOTED Carnation Cuttings

PINK			
ARISTOCRAT	100	1000	\$6.00 \$50.00
WINSOR	100	1000	6.00 50.00
ROSE PK. ENCHANTRESS	3.50	30.00	
ENCHANTRESS	3.00	25.00	
LAWSON	2.50	20.00	
JOOST	2.00	15.00	
WHITE			
WHITE PERFECTION	3.00	25.00	
" LAWSON	3.00	25.00	
QUEEN	2.00	18.00	
BOSTON MARKET	2.00	18.00	
LOUISE	2.00	18.00	
LT. PEARY	3.00	25.00	
BOUNTIFUL	2.50	20.00	
RED			
BEACON	6.00	50.00	
VICTORY	3.00	25.00	
ROBERT CRAIG	3.00	25.00	
FLAMINGO	2.50	20.00	

MISCELLANEOUS

PATTEN	2.50	20.00
HARRY FENN	2.50	20.00
HARLOWARDEN	2.50	20.00

Stock guaranteed. Prompt deliveries.

THE LEO NIESSEN CO.
Wholesale Florists,
1209 Arch St., Philadelphia, Pa.

Rooted Carnation Cuttings

It will pay you to send for my catalogue and price list of the best novelties and standard varieties before buying.

A. F. LONGREN, Des Plaines, Ill.

Rooted CARNATION Cuttings

CUTTINGS are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

WHITE			
WHITE ENCHANTRESS	100	1000	\$6.00 \$50.00
WHITE PERFECTION	3.00	25.00	
WHITE LAWSON	2.00	18.00	
QUEEN LOUISE	2.00	18.00	
PINK			
WINSOR	6.00	50.00	
ARISTOCRAT	4.00	50.00	
PINK IMPERIAL	6.00	50.00	
ROSE PINK ENCHANTRESS	3.50	30.00	
ENCHANTRESS	3.50	30.00	
HELEN GODDARD	2.50	20.00	
LAWSON	2.00	18.00	
RED			
BEACON	6.00	50.00	
VICTORY	3.00	25.00	
ROBT. CRAIG	3.00	25.00	
CRIMSON			
HARLOWARDEN	2.00	18.00	
VARIEGATED			
MRS. PATTEN	2.50	20.00	

Add \$1.00 per 100, \$10.00 per 1000, to above prices for 2-in. pot plants.

RECENT INTRODUCTIONS

AFTERGLOW (\$12.00 per 100)
LLOYD (from 2-in. pots)
"SPLENDOR" (Stevenson Bros.), a very promising variety, \$10.00 per 100; \$75.00 per 1000. Prompt delivery.

S. J. REUTER & SON, Inc., Westerly, R. I.

CARNATIONS

100 1000			
White Enchantress	\$5.00	\$45.00	
Rose Pink Enchantress	2.50	22.50	
Enchantress	2.00	18.00	
Victory	2.25	20.00	
Harlowarden	1.50	15.00	

Prosperity and Gaethe, rooted to order.
Strong, undivided DAHLIA CLUMPS.

Per 100			
White Swan	\$5.00		
Prince Bismarck	6.00		
Clifford Brutton	5.00		
Glowing Coal	5.00		

KRAMER BROS., FARMINGDALE, L. I., N. Y.

CARNATIONS

Rooted Cuttings of all the new and standard market varieties. Send for price list.

WM. SWAYNE
Box 226 Kennett Square, Pa.

Selected Rooted Carnation Cuttings

WHITE			
White Enchantress	100	1000	\$6.00 \$50.00
White Perfection	3.00	25.00	
The Queen	2.00	15.00	
PINK			
Winsor	6.00	50.00	
Rose Pink Enchantress	3.50	30.00	
Enchantress	2.50	20.00	
Lawson	2.00	16.00	
RED			
Beacon	6.00	50.00	
Victory	3.00	25.00	
Flamingo	2.00	18.00	
CRIMSON			
Harlowarden	2.00	16.00	
Harry Fenn	1.75	15.00	

All cuttings guaranteed clean and true to name.
B. F. BARR & CO., Keystone Nurseries, Lancaster, Pa.

ROOTED CUTTINGS OF THE

PUREST WHITE ENCHANTRESS

We believe we have the largest and best stock in the country. The reason for this statement is that we were first in the market with this grand pure White. Orders now being booked for January and later delivery at \$6.00 per 100, \$50.00 per 1000. Also a large stock of Winsor, Pink Enchantress, Lawson and other commercial varieties.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
38-40 Broadway, DETROIT, MICH.

UNROOTED Carnation Cuttings

WINSOR, PINK IMPERIAL	1000	\$30.00
VICTORY, WHITE PERFECTION	15.00	
ENCHANTRESS	10.00	

Can fill any size order same day as received

ROOTED 100 1000
WINSOR, PINK IMPERIAL \$6.00 \$50.00
VICTORY, WHITE PERFECTION 3.00 25.00
ENCHANTRESS 2.50 20.00
An unusually fine lot of SCOTCH FERNS in 7-in. pans, \$5.00 per dozen.
LARCHMONT NURSERIES, Larchmont, N. Y.

DEFIANCE

JENSEN & DEKEMA,

674 W. Foster Ave.,

CHICAGO.

The only scarlet to grow for quality and quantity. Let us have your order at once so as to secure early delivery.

\$12.00 per 100. \$100.00 per 1000.

W. N. RUDD,

MORGAN PARK, ILLS.

and, later, when they have grown and got well established in the flats, they should be potted singly into small pots and if need be repot them later; but plant them out in the field during the Summer. When the plants are growing vigorously, in their early stage of growth they should be frequently pinched in order that they will become stocky and bushy in habit. Jerusalem cherries are easily grown in standard form by simply tying the single stem plants to stakes and allowing them to grow until they have attained the desired height when they should be pinched to induce them to make heads. When planted out in rich soil Jerusalem cherries make rapid growth, but the plants will grow well in any fairly good garden soil.

PETUNIAS are not only gaining rapidly in favor again for bedding outdoors, but they are also beginning to be made use of extensively for cutting from during the Summer. For the latter purpose the plants set outdoors are available, but more satisfactory results follow when they are grown in good soil in frames. Seed of the best strains should now be sown, and when the seedlings are large enough they should be transplanted into flats and later into small pots, finally planting them in the frames. When once in possession of good double petunias it will be worth while to keep propagating by means of cuttings, whereby they are quite easily multiplied.

ADIANTUM FARLEYENSE.—Good specimen plants of Adiantum Farleyense are well worth striving for, and the frequency with which such plants are seen nowadays indicates that after all a great deal of strife is not necessary in the work of producing such, rather that their simple requirements are more commonly understood, and once understood rigidly attended to. One of the very best growers of this beautiful fern adds not a particle of sand or leaf mold to the soil used in potting after the first shift, using instead nothing but the best fibrous loam, adding just a dash of lime. Drainage is of the utmost importance in the growing of A. Farleyense, and the best method of supplying drainage is that of placing a small pot inverted over the hole in the bottom of the larger one into which the plant is to be put, then placing several pieces of broken pots around and over the one inverted, and over all a little dry sphagnum moss.

ALPINIA SANDERAE makes a handsome specimen plant for use in conjunction with more sober and dull looking subjects, but otherwise it is not of itself a plant worthy of very much consideration. It is true that so long as it can be kept dwarf enough it can be used to advantage in filling baskets and in other kinds of made-up work by florists, but it has such a tendency, with me at any rate, to elongate that usually it is unsuitable for that kind of work. It is easily propagated from division of the rhizomes at this time of the year, or a little later. All that is required is to separate them and place those thus severed in heat, potting them subsequently either singly or placing a number in pots or pans.

D. M.

CARNATIONS

	100	1000
White Enchantress R. C. this stock originated with and grown by me is the very best	\$6.00	\$50.00
Enchantress, light pink	2.50	20.00
Lawson	2.00	15.00
Lord, light pink	2.00	15.00
Queen, white	2.00	15.00
The Belle, white	2.50	20.00

25¢ at 1000 rate. Express prepaid on orders of 1000 or more.

Get your R. C. early and have blooms when others have none.

Frank H. Kimberly
631 Townsend Ave., NEW HAVEN, CONN.

WINONA

The True Pink Carnation for 1908.

A color that attracts attention. Once seen, always wanted

Comes nearest to Flancee, but is a different type flower. Never Bursts—Every Calyx Perfect. Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock clean and healthy. Will guarantee every cutting to be first class. Order now for early delivery. Price, \$12.00 per 100; \$100.00 per 1000. Larger lots, prices on application. With our additional glass we have more than doubled our stock of Carnation plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER:

	100	1000		100	1000
RED CHIEF, bright scarlet	\$5.00	\$40.00	ROSE-PINK ENCHANTRESS, pink	\$3.00	\$25.00
BONNIE MAID, pink edged white	5.00	40.00	ENCHANTRESS, light pink	3.00	25.00
ARISTOCRAT, cerise	6.00	50.00	LADY BOUNTIFUL, white	3.00	25.00
WINSOR, pink	6.00	50.00	VICTORY, scarlet	3.00	25.00
BEACON, orange scarlet	6.00	50.00	DOROTHY WHITNEY, yellow	4.00	30.00
WHITE ENCHANTRESS, white	6.00	50.00	MRS. PATTEN, variegated	3.00	
WHITE PERFECTION, pure white	3.00	25.00	HARRY FENN, crimson	3.00	

F. DORNER & SONS CO., Lafayette, Ind.

Winsor Carnations

From 6000 plants we have plenty of exceptionally fine stock, and 50,000 ready for shipment now.

From 21 in. pots \$7.00 per 100; \$60.00 per 1000.
Rooted Cuttings \$6.00 per 100; 50.00 per 1000.

A. N. PIERSON,
CROMWELL, CONN.

NEPTUNE

The only yellow carnation to date that is worth growing. Equal to Enchantress in every respect, and never bursts. Come and see it growing. Rooted Cuttings, \$10.00 per 100.

Also White Enchantress, Winsor, \$6.00 per 100; Enchantress, Variegated Lawson, White Lawson, Red Lawson, \$2.50 per 100. Harlowarden, Mrs. Lawson, Fair Maid, Mrs. Patten, \$2.00 per 100. All the above unrooted at half price.

Paul Thomson, West Hartford, Conn.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.

Enchantress, White Perfection, White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000.

Queen, Boston Market, Pink Lawson, H. Goddard, \$1.50 per 100; \$15.00 per 1000. Victory, \$2.50 per 100; \$22.50 per 1000. Craig, \$2.50 per 100; \$20.00 per 1000. Cardinal, \$2.00 per 100; \$17.50 per 1000. Harlowarden, \$1.50 per 100; \$15 per 1000.

Cash with order or satisfactory references

SMITH & GANNETT, Geneva, N. Y.

	100	1000
White Enchantress	\$6.00	\$50.00
Winsor	6.00	50.00
Beacon	6.00	50.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Enchantress	2.50	22.50
Lady Bountiful	2.50	20.00

Healthy Rooted Cuttings.
SCRANTON FLORIST SUPPLY CO., Scranton, Pa.

VICTORIA

NEW SEEDLING, crossed by Lawson and Harry Fenn, the color of Lawson and the long stem of Harry Fenn; it is more prolific than either. Lawson is past. Victoria is better than Lawson ever was, and gave us last Winter from 20 to 95 per cent, more blooms each month. It is very healthy and a nice grower. I have two houses of it, and it is a sight to see the buds and blooms. It brings more money in the market than Lawson. Read below what J. A. Budlong & Sons Company of Auburn, R. I., say of it. They are growing it this Winter. J. A. Budlong & Sons Company are one of the largest market gardeners in New England, also the largest rose and carnation growers in Rhode Island.

December 10, 1907.
Mr. J. H. Cushing, Quidnick, R. I.
Dear Sir: We have 1176 plants of your new seedling Victoria carnation which we planted in house the last of July. They

have made fine plants and we think now will produce as many flowers, if not more, than any carnation we ever grew. The stems are stiff and good length. The flower is also a good keeper.

We have sold these flowers in several instances to some of our best trade in Boston, who thought they were a long-stemmed Lawson.

Up to date, we have cut 4768 flowers from the 1176 plants, and there are as many buds in sight to-day as there have been any time since we started to cut. In other words, the cut has been very uniform and looks as if it would continue so throughout the Winter.

We do not think that you will make any mistake by putting this carnation on the market. Yours truly,

THE J. A. BUDLONG & SONS CO.
Price of Victoria rooted cuttings, \$75.00 per 1000; \$8.00 per 100; 250 at 1000 rate

ROOTED CUTTINGS

	WHITE	100	1000		RED
Queen		\$1.50	\$12.50	Red Chief	4.00
Perfection		3.00	25.00	Victory	2.50
	PINK			Robert Craig	2.50
Winsor		5.00		Harry Fenn	2.00
Aristocrat		5.00			15.00
Enchantress		2.00	15.00		
Rose Enchantress		3.00	25.00		
				VARIEGATED	
				Mrs. Patten	2.00

QUIDNICK GREENHOUSES

J. H. Cushing, Prop., Anthony P. O., QUIDNICK, R. I.

CARNATIONS NOW READY

AFTERGLOW, the 1908 pink, and BRITANNIA, the English scarlet, \$12.00 per 100; 2 1/2 in. pot plants, \$16.00 per 100.

ARISTOCRAT, WINSOR, IMPERIAL, BEACON and PINK IMPERIAL, at \$6.00 per 100; \$50.00 per 1,000.

WHITE PERFECTION, ROBERT CRAIG, VICTORY, MRS. PATTEN, LADY BOUNTIFUL and ENCHANTRESS, at \$3.00 per 100; \$25.00 per 1,000.

QUEEN, PEARY, MY MARYLAND, FAIR MAID, LAWSON and VARIEGATED LAWSON, \$2.50 per 100; \$20.00 per 1,000.

Now looking orders for GRAFTED ROSES of all standard varieties, BRIDES, BRIDESMAIDS, RICHMOND, KILLARNEY, etc.

Send for complete list.

CHARLES H. TOTTY, Madison, N. J.

The Test ^{is} Tells The Story

When growers, who buy by the hundred the first season, order thousands the next **IT MEANS MERIT**

BEACON CARNATION

Occupies this enviable position. As an all Winter Blooming Scarlet

IT HAS NO EQUAL

Strong, vigorous, healthy cuttings ready now, per 100 \$6.00, per 1000 \$50.00

	100	1000		100	1000
WINSOR	\$6.00	\$50.00	ROSE ENCHANTRESS	\$1.00	\$8.00
WHITE PERFECTION	3.00	25.00	ENCHANTRESS	3.00	25.00

Make all Money Orders payable on NORWOOD, MASS.

PETER FISHER, - - Ellis, Mass.

THE AMERICAN CARNATION

Price \$3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO., Ltd. 2-8 DUANE STREET, NEW YORK

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
 54 WEST 28th STREET, NEW YORK.
 Telephone: 3559 Madison Square
 CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—Never since we became acquainted with the cut flower market in New York have we seen conditions so deplorable as they are at the present time. Supplies of all reasonable stock are coming in heavily; even roses are much more in evidence than they were a week ago, and from now on, no doubt, these flowers will get more plentiful every day. Carnations, probably, are suffering more than any other stock, simply because they are more abundant. So far as prices go, we can safely assert that there is no fixed market value on any flower reaching the city. The prices quoted in our table are merely asking prices, and they do not by any means imply that the stock coming into the market has realized the figures there mentioned. Thousands of carnations have accumulated in the hands of the dealers, and wherever opportunity offers, job lots are moved at prices that conform with the wishes of the speculator. Lilies and callas are both extremely plentiful, also tulips in single varieties of the various colors, and it is only for an occasional few of the double sorts that anything over \$1 per 100 is asked. Narcissus, in both white, yellow and Poeticus varieties, are offered at from \$1 down. Lily of the valley brings about the same price; the speculators seem to want the special at the same rate as the ordinary grade. Cattleyas have shortened up in supply somewhat, and it is just as well, as only very small lots can be moved.

Violets are extremely plentiful, and no fixed price obtains. When the weather is mild enough so that the street peddlers can get in a day's work, there are some clearances made at prices reaching as low as \$1.50 per 1000.

Taking the market all in all, it is in a very unsatisfactory state, and, with the near approach of Lent, those inclined to be pessimistic believe that we shall see no improvement for some time at least. It is to be hoped, however, that a material change for the better will take place in the near future.

CHICAGO. An overabundance of almost everything but rose characterizes the market this week, and business is very flat in consequence. American Beauty are even more scarce than last week, and at times bring a dollar over the maximum price quoted. White roses are not over plentiful, but pink are in good supply.

Carnations are almost at the glut point, excellent stock going at three cents. Large stocks of carnations are in the hands of wholesalers, and some sacrifices are being made. A cartload was sold on Tuesday by one house at sixty cents a hundred, and the sacrifice was scarcely inadvised. Bulbous stock moves very slowly, the bulk of transactions closing at minimum figures. Violets are not too plentiful, and good stock moves freely. Lilies are in fair supply and sell pretty well. Lily of the valley is very druggish, much more coming in than is taken. Sweet peas move well when the stems are long, but short stock hangs fire. Very little mignonette is arriving, and such as is offered is not taken very freely. A few stocks and wallflowers are to be seen, but the latter do not attract buyers. The local demand for flowers is very poor, and the shipping business does not appear to be quite so heavy as it was last week. J. H. P.

BOSTON.—Trade remains without any improvement over last week. Little is being done and many kinds of flowers are very plentiful. Roses still sell better than any other stock. American Beauty, Richmond and Killarney are the leaders, these command the high-class trade. Carnations are very plentiful and prices have fallen off from last week. Lilies sell rather slowly, callas are more in demand. Narcissus are very plentiful, as are tulips. Violets are not so scarce as they were. There is not such a demand for mignonette. Roman hyacinths are not quite so plentiful. With a little warmer weather it is hoped that there will be a brisker demand all around. J. W. D.

INDIANAPOLIS.—The trend of matters in the floral world is more toward normal in this section. Funeral work is quite up to the standard, but there is a shyness with counter customers which does not permit of the large individual sales of a year ago. Travelers among the trade are united in the opinion that the farther West the points considered, the less is the depression in florist circles.

The variety of flowers has been augmented of late by many varieties of bulbous stock; also shrubs, such as lilacs, which give much satisfaction. Carnations are undoubtedly the best selling flowers in the market at \$2 to \$4 per 100. Violets are meeting with better success at 50c. to \$1 per 100 wholesale, and \$1 to \$2 per 100 retail. Lily of the valley of fine quality does not always find buyers at \$3 to \$4 per 100. The cut of roses is not large; Bride and Bridesmaid, select stock, bring \$8 to \$10 per 100; Killarney and Richmond as high as \$14 per 100. American Beauty lag a little at \$5 to \$40 per 100. Flats of tulips, hyacinths and jonquills meet with favor, as do other well-grown, medium-priced plants. St. Valentine's Day is constantly gaining in the volume of business transacted. I. B.

ST. LOUIS.—The market this week was quite firm; cut flowers of all kinds sold well, especially white, and our commission men report that fairly good prices were obtainable on all grades. The retailers say that funeral work was very active, and some extra large designs were made up. Those in the West End report that they were busy with decorations for weddings, dinners, receptions and other social work. Roses of all kinds, except American Beauty, were scarce all week, and prices rather high. Carnations are rather plentiful in all colors, except white, prices running from 2c. to 1c. Violets, too, are in plenty, but sell well.

CARNATION PLANTS 2 1-2 in. Pots

Andrew Carnegie, Scarlet Harlowarden, \$15.00 per 100. Aristocrat, Welcome, Winsor, Beacon, White Enchantress \$8.00 per 100. Enchantress, Daybreak Lawson, Victory and Rose Pink Enchantress \$5.00 per 100.

Send for prices on rooted cuttings.

CHICAGO CARNATION CO., A. T. Pyfer, Mgr., Joliet, Ill.

at 35c. per 100. This week for St. Valentine's Day prices went up to 50c. All bulbous stock is in plenty at usual figures. Smilax and asparagus sell well. ST. PATRICK.
 CLEVELAND, O.—At present thousands of carnations are finding their way to the market, for fine stock prices run from \$2 to \$4 per 100. Tulips and daffodils move slowly at \$2 to \$3 per 100. Lily of the valley is rather scarce. Violets advanced in price a little for St. Valentine's Day. Roses are scarce at \$6 to \$12 per 100. Callas sell at \$1.50 per dozen. O. G.

CHANGES IN BUSINESS.

ANSONIA, CONN.—The Ansonia Floral Company has opened a store on Main street. Opening exercises were held January 23.

MANHASSET, N. Y.—The firm of Anderson & Webb has been dissolved, A. I. Anderson assuming all debts and obligations contracted by the concern.

WATERVILLE, ME.—The firm of Mitchell & Company has been incorporated, capital \$50,000. The officers are: President, G. A. Mitchell; treasurer, F. L. Mitchell; clerk, G. F. Terry.

PITTSBURGH, PA.—H. L. Blind & Brothers will open a new store on April 1, 1908, at 5424-8 Center avenue, East End, near Aiken. The South Side store will be vacated on the date mentioned.

NORTH TONAWANDA, N. Y.—The King Construction Company has been incorporated with a capital stock of \$100,000; incorporators, R. O. King, C. E. C. Hopworth, E. O. Spellman, North Tonawanda.

NEWBURGH, N. Y.—The Yness Gardens Company opened, on Saturday, February 15, a branch flower and seed store, which, until recently, was occupied by the Peattie Estate. Edwin Peattie will be in charge.

NEWARK, N. J.—The Satsuma Company has been incorporated to cultivate trees, shrubs and plants; capital, \$150,000. Incorporators: Marshall C. Leferts, Duff G. Maynard, Joseph R. Leferts, Henry C. Hubbard, Joseph W. Plume.

BANGOR, ME.—E. B. Hutchins has opened a store at 65 Hammond street under the firm name of the New Floral Company. Miss Lizzie Miller, formerly with Carl Beers in The Winter Garden and the Mt. Hope Floral Company, will be in charge as manager of the store.

Indianapolis.

News Items.

The Indianapolis Florists' Club held a meeting at H. W. Riemau's, on February 12.

George Wiegand has left for a two months' trip to California.

A. Schreiber and Robert Ellis, foremen for Bertermann Brothers Company, visited E. Dörner Sons & Company last week. The carnations are fine there according to report.

Herman Junge is having molds constructed for a new cement gutter, which he claims has a great advantage over all on the market and can be manufactured at much smaller cost.

Tomlinson Hall Market reports a fair business. All the high-grade stock for the week has been ordered in advance by the shop men. Much inferior stock is being disposed of with difficulty.

Visitor: Normal Miller, Martinsburg, W. Va.

Henry Dunderstadt is on the sick list. I. B.

DREER'S Reliable FLOWER SEEDS

SWEET PEAS For cutting. The kinds which find the readiest sale are those like the following, which have bright, clear, decided colors. For complete list see our current Wholesale Catalogue.

Orchid-Flowered Varieties

This type has very large wavy flowers, usually four blossoms on long, stiff stems, and are as easy to grow as the standard sorts.

Countess Spencer (true), a lovely clear pink	Oz.	1/2 Lb.	Lb.
Frank Dolby, largest pale lavender	.50	1.75	
Gladys Ingwin, pale rose-pink, fine	.10	.20	.60
John Ingman, rich salmon rose	.10	.20	.60
Mrs. Alfred Watkins, superb pale pink	.50	1.75	
Nora Unwin, a magnificent pure white	.50	1.75	
Phyllis Unwin, light rose-carmine, very large	.10	.30	1.00
Orchid-flowered Mixed, many varieties	.10	.30	1.00

Standard Varieties

Blanche Ferry, the popular pink and white	.05	.10	.20
Blanche Ferry, Extra Early; flowers 10 days earlier	.05	.10	.25
Countess of Radnor, delicate lavender	.05	.10	.20
Dorothy Eckford, the best standard pure white	.05	.10	.25
Earliest of All, a very early flowering form of Blanche Ferry	.05	.10	.35
Emily Henderson, a free and early pure white	.05	.10	.20
Flora Norton, a clear sky blue	.05	.10	.25
Hon. Mrs. E. Kenyon, primrose yellow	.05	.10	.25
Janet Scott, a large bright pink	.05	.10	.25
King Edward VII, rich crimson scarlet	.05	.10	.35
Lady Griseld Hamilton, large pale lavender	.05	.10	.25
Lovely, beautiful shell-pink	.05	.10	.25
Miss Willmott, bright orange pink	.05	.10	.25
Mont Blanc, the earliest pure white	.05	.10	.30
Mrs. Walter Wright, deep mauve, fine	.05	.10	.35
Prima Donna, a fine deep pink	.05	.10	.25
Prince of Wales, rich deep rose	.05	.10	.30

HENRY A. DREER, 714 Chestnut St., Philadelphia



Type of Orchid-Flowered Sweet Peas

J. K. ALLEN
Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Telephone 167 Madison Square

C. BONNET **G. H. BLAKE**
BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4638 Main.
Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Ave. and 26th St.
Coogan Building, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall Space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary.

J.S. FENRICH
Wholesale Florist
THE RELIABLE HOUSE
Valley Gardenias
110 West 28th Street
Telephone 324-325 Madison Square

FORD BROS.
Wholesale Florists
48 WEST 28th ST., NEW YORK
Telephone, 3670-3671 Madison Square

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
114 West 28th Street
Phone, 551 Madison Square, NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first class stock solicited.
Prompt returns.
THE SQUARE DEAL
Guaranteed to all who trade here.
44 West 28th Street, NEW YORK
Tel. 5883 Madison Square.

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Wholesale Florists
52 West 28 St., New York
Tel. 2920 Mad. Sq.

WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby St.,
Telephone 4591 Main, BROOKLYN, N. Y.

J. Seligman **Joseph J. Levy**
JOHN SELIGMAN & COMPANY
Wholesale Florists
56 West 26th Street.
Tel. 4878 Madison Square, N. Y.
Opposite New York Cut Flower Company

B. S. Slinn, Jr.
Wholesale Florist
55 & 57 West 26th St., New York
VIOLETS Carnations and Roses
Shipping orders receive prompt attention.
Telephone: 3864 Madison Square.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 751 Mad. Sq. 42 W. 28th St., New York.

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Wholesale Florist
CONSIGNMENTS SOLICITED
46 West 29th Street, New York
TELEPHONE: 3393 MADISON SQUARE

JOHN YOUNG
Wholesale Florist
61 W. 28th St., NEW YORK
TELEPHONE, 4463-4464 MADISON SQUARE

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES. 1664--1665 MADISON SQUARE
ENOUGH SAID

ALFRED H. LANGJAHR
55 WEST 28th STREET, NEW YORK
Telephone, 4626-4627 Madison Square Established 1891
SPECIAL VALLEY AND TOP GRADE ASPARAGUS
Consignments of First-Class Stock Solicited

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Feb. 13, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special....	50.00 to 60.00	Inf'r grades, all colors.....	.50 to .75
	" extra.....	20.00 to 40.00	White.....	1.00 to 1.50
	" No. 1.....	12.00 to 15.00	Pink.....	1.00 to 1.50
	" No. 2.....	6.00 to 8.00	Red.....	1.00 to 1.50
	" No. 3.....	2.00 to 4.00	Yel. & Var.....	1.00 to 1.50
	Bride, Maid fancy-special....	6.00 to 8.00	White.....	1.00 to 2.00
	" extra.....	5.00 to 6.00	Pink.....	1.00 to 2.00
	" No. 1.....	3.00 to 4.00	Red.....	1.00 to 2.00
	" No. 2.....	2.00 to 3.00	Yel. & Var.....	1.00 to 2.00
	Golden Gate.....	3.00 to 10.00	NOVELTIES	2.00 to 3.00
RICHMOND.....	3.00 to 15.00	GARDENIAS, per doz.....	1.00 to 3.00	
Mme. Abel Chatenay.....	3.00 to 10.00	LILAC, per bunch.....	.50 to .60	
ADIANTUM.....	.50 to .75	LILIES.....	6.00 to 8.00	
CROWKANUM.....	1.00 to 1.50	LILY OF THE VALLEY.....	1.00 to 2.00	
ASPARAGUS.....	25.00 to 50.00	MIGNONETTE.....	3.00 to 6.00	
" Plumosus, bunches.....	12.00 to 15.00	NARCISSUS (Paper White).....	to 1.00	
" Sprengerl, bunches.....	12.00 to 15.00	Yellow.....	to 1.00	
.....	to	POETICUS.....	to 1.00	
CALLAS.....	6.00 to 8.00	SMILAX.....	8.00 to 12.00	
CATTLEYS.....	35.00 to 60.00	VIOLETS.....	.25 to .50	
CYPRIPEDIUMS.....	5.00 to 8.00	CORNFLOWERS.....	to 1.50	
DAISIES.....	2.00 to 3.00	HYACINTHS, Roman.....	.50 to 1.00	
FREESIA, per bunch.....	.10 to .20	SWEET PEAS (per doz. bunches).....	1.00 to 2.00	
.....	TULIPS.....	1.00 to 2.00	

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Boston.

Society Meeting.
At the meeting of the Massachusetts Horticultural Society on Saturday last there was a good attendance to hear Wm. Turner of Granite, N. J., talk on the "Growing of Vegetables under Glass." Mr. Turner gave a very practical talk from his long experience in this line, and there was considerable discussion.

President Westwood of the Gardeners and Florists' Club has appointed the following committees: Exhibits: George M. Anderson, chairman; James Wheeler, Wilfred Wheeler, A. H. Fewkes, F. J. Ken, Peter Fisher, William Westland, William Robb, Charles Sander, and J. W. Duncan, Refreshments: J. F. A. Guerin, chairman, George Butterworth, P. Turley, P. McManus, J. E. Barry and W. D. Nickerson.

Besides the prizes already announced for the exhibition of the Boston Co-operative Flower Growers' Association on the 29th inst., the following are offered: Silver cup, valued at \$25 by A. C. Zvolanek for collection of sweet peas, Zvolanek varieties; silver cup, valued at \$25, by James Wheeler for best new violet; F. R. Pierson Company offer two prizes, \$6 and \$4 for the best vase of 25 blooms of Winsor carnation.

On account of other use of Horticultural Hall next week the February meeting of the Gardeners and Florists' Club will be held the week following, the date being February 25. This will be a very important meeting; W. R. Pierson, Cromwell, Conn., will be the speaker and it will be a regular carnation night.

J. W. DUNCAN

DAYTON, O. Florist William G. Matthews last week distributed to the employees of this city 100 sacks of corn meal. His thoughtfulness and kindness are commendable.
The Florists' Club, which was to have held its regular monthly meeting Monday night, February 3, 1908, at Kieffer's Cafe, on Fourth street, postponed the event until the 1st of March, out of respect to J. B. Heiss, a prominent member who passed away a few days ago. At the next meeting the regular business will be taken up, and a banquet will afterward be held.

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SWEET PEAS, Lavender, Pink, White, 50c. and \$1.00 per 100 SINGLE DAFFODILS, \$3.00 per 100

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Washington, D. C.

Club Meeting.

The Florists' Club held its regular monthly meeting at Gude's Hall on February 4. The special feature of the evening was the nomination of officers for the ensuing year.

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E. H. Kramer reports most excellent success with his Queen Beatrice rose which he is sending out this season.

A Cold Snap.

For a fortnight Washington has been in the grasp of wintry weather, which for low temperature has rarely been exceeded.

Business is below the seasonal average, owing partly to the recent financial panic, which swept the country, and partly to this being a long session of Congress.

The usual yearly excess of carnations is beginning, though not of a troublesome nature as yet; other stock is abundant.

Two large funerals occurred during the latter part of the week to which the society folk sent numbers of floral tributes. The most notable of these was the funeral of James A. Pinchot.

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SPRINGFIELD, O.—The Leedle Rosary Company has elected the following directors: Charles C. Leedle, Charles P. Brunner, Henry J. Roth, Mark M. Livingston and Arthur C. Leedle. The officers elected for the ensuing year were Charles C. Leedle, president and treasurer; Charles P. Brunner, vice-president, and Arthur C. Leedle, secretary.

DES MOINES, IA.—The Grand View Nursery and Orchards Company are planning the erection of a one-story office building, 24x50 feet, on their packing grounds, East Ninth and Hull streets.

WORCESTER, MASS.—Mrs. George S. Colburn, florist, was thrown from a sleigh recently, sustaining a gash over the right eye, and bruising the skull.

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Roses and Carnations A Specialty WHOLESALE GROWER of CUT FLOWERS

Wholesale Prices of Cut Flowers, Chicago, Feb. 12th, 1908

Prices quoted are by the hundred unless otherwise noted

Table with columns for ROSES (American Beauty), CARNATIONS (Standard Varieties, Fancy), and various other flower types with their respective prices per hundred.

Violets

Vaughan & Sperry

58-60 Wabash Avenue CHICAGO, ILL.

Chicago.

The Week's News.

Considerable preparation is making by retail florists for a good business on St. Valentine's Day. Violets are expected to be in good demand for the occasion, consequently same shortage in the receipts of locally grown stock was noticeable on Monday and Tuesday, growers evidently holding what they could for a good supply at the right time. Retailers' windows very generally carry signs as reminders of the approach of the feast of the "Love Saint," and orders for floral valentines are not wanting.

The Dodds Floral Company, located for a short time on Sixty-first street, has discontinued business.

H. O. Whitecomb, 326 Ogden avenue, who for the past three years has been located in different stores in his neighborhood, has discontinued business, and with his partner has gone into business in another field.

Winter's Seed Store is just now the scene of active preparations for the Spring trade, the store undergoing a rearrangement, and the fittings being augmented by the installation of a system of seed cases and stock cabinets.

August Jurgens has at his Herndon street greenhouses half a bench of well-flowered poinsettias in the pink of condition for cutting. His show of tulips

is just now very fine, La Reine in particular being long in stem and more than ordinarily rich in color. Proserpine and Yellow Prince are also of grand quality.

Charles W. McKellar is receiving every day some very fine double and single stocks. In orchids he reports a shortening in the supply of cattleyas.

Bassett & Washburn are making frequent shipments of their new scarlet carnation, Orlando P. Bassett, to Texas. A large consignment of this variety went South for the St. Valentine's Day trade.

Lincoln's Birthday created little or no extra demand for flowers. Retailers report very few decorations for the anniversary, few societies celebrating. Last year quite a little business was secured from this source.

George Reinberg is cutting a nice lot of phalaenopsis. Retailers who want something particularly fine for their windows could use this orchid to advantage.

The supply of white lilac at the A. L. Randall Company's store keeps up nicely and meets a healthy demand.

The committee of the Chicago Florists' Club having in charge the selection of quarters for the holding of the convention in Chicago of the American Rose Society, March next, at a meeting last Monday decided to secure an available hall in the Art Institute, on Michigan avenue, at Adams street. The location is quite central, on the lake front, near to all the prominent hotels, and an ideal one for the purposes of the convention.

The hall... 208 feet long, 60 feet wide, and 31 feet high, lighted from the top and sides, and unusually well adapted for an exhibition of flowers. The surroundings, which comprise works of art of all descriptions, will harmonize very pleasantly with the exhibition of roses, and the Chicago Florists' Club is to be congratulated upon having secured the privilege of holding the convention in such handsome quarters.

J. H. Pappas.

New York.

The Week's News.

The talk given by John T. Withers on the pruning and caring for shade trees before the New York Florists' Club on Monday evening was one of the most interesting we have ever listened to. Mr. Withers was, indeed, full of the subject, and the way he answered the many questions that were fired at him at the close of the lecture showed a remarkable familiarity with the trees, and was fully appreciated by everyone present.

Lincoln's Birthday was duly observed throughout the city on Wednesday as a general holiday, with the exception, of course, of the florist stores. No beneficial effects in a business way, however, were noticed, the trade done being similar to that of any other day.

St. Valentine's Day occurred on Friday, but so far as any special window displays or other efforts among retailers to take advantage of this day in securing special business, there seems to have been nothing doing, from which we would gather that this city is too swift to make a pause long enough to express any sentiment or sympathy with the ancient custom of sending valentines.

A very pretty wedding decoration was put up in Grace Church on Saturday last by Wernz & Koehn, florists, 61 Fifth avenue. The occasion was the marriage of Miss Green, daughter of General Green. The chancel and approaches were decorated with palms, Bridesmaid roses being used for the altar and reading desk.

John Young, wholesale florist at 51 West Twenty-eighth street, has been having his share of hard luck this week. While returning from a visit paid to his mother at Passaic, N. J., a few days ago, he slipped on the ice and fell, breaking two of the smaller bones in the wrist of his left arm, which necessitates wearing that member in a sling. On Tuesday morning one of his errand boys was sent to deliver a package of flowers e. o. d. around the corner from Twenty-eighth street. The amount, approximating \$20, was paid to the boy and he has not been heard from since.

Harry Van Koolbergen, representing the firm of Ottolander & Hoofman, nurserymen, Buskoop, Holland, arrived in New York Thursday, February 5, and will spend three months in the United States making a tour among the trade. Among other novelties Mr. Van Koolbergen is showing a colored plate of a blue hardy climbing rose, which his firm is introducing to the trade this year. This will be, indeed, a novelty—a blue rose of the Crimson Rambler type. He also has other new things in roses.

The new Fleischman baths, which occupy the entire three upper floors of the New Bryant Park Building at Forty-second street and Sixth avenue, were opened with fitting ceremony on Thursday afternoon, February 6. These baths are supposed to be the finest in the world and are intended by the promoter to bring about a virtual revival of the ancient custom which made bathing a fine art.

Ralph M. Ward, importer, 12 West Broadway, has been spending a few days at Tampa, Fla.

D. H. Hollingsworth, retail florist at 1146 118th DeKalb avenue, Brooklyn, has issued a very pretty calendar showing various views of New York City.

David McFarlane, who for many years has been superintendent on one of the private estates near Tarrytown, N. Y., has entered the commercial ranks as landscape gardener and practical horticulturist, with offices at 11 Fisher avenue, White Plains, N. Y.

The Palisades Nurseries, Sparkhill, N. Y., has been incorporated; capital, \$15,000. Incorporators: Angus McGillicuddy and John M. Stevens, Palisades, N. Y.; James Cochran, 49 Wall street, New York.

J. Edward Moon of the W. H. Moon Company, Morrisville, Pa., was a visitor this week.

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DAGGER and FANCY FERNS, \$1.50 per 1,000.

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HARDY CUT FERNS

Fancy or dagger, \$1.00 per 1000. Extra fine **BOXWOOD**, \$8.00 per case. Brilliant **Bronze or Green Galax**, \$1.00 per 1000 or \$7.50 per case of 10,000. **Wild SMILAX** 50 lb. cases, \$4.00. Fresh made **LAUREL FESTOONING**, 4c., 5c., and 6c. per yard.

Send us your orders and be pleased. **LEUCOTHOE SPRAYS**, bronze or green, 40c. per 100. **Ground Pine**, 7c. per lb. or 5c. per yard.



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HARDY CUT FERNS

FANCY and DAGGER. Extra fine, \$1.50 per 1000. **BRONZE and GREEN GALAX**, \$1.25 per 1000, \$7.50 per 10,000. **LEUCOTHOE SPRAYS**, \$1.00 per 100; \$7.50 per 1000. **SPHAGNUM MOSS**, extra large bales, per bale, \$1.25. **BOXWOOD**, per bunch, 35c.; 50 lbs., \$7.50. **FANCY and DAGGER FERN** our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

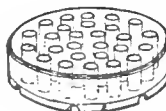
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Pittsburg.

Club News.
 The February meeting of the Pittsburg Florists' Club was one of the best held in some years; about 75 were present and quite a few more would have attended if they had known what was in store for them, for the proceedings were most interesting and the exhibition of flowers and plants was equal to anything we ever had. The meeting was held in the store room of the Pittsburg Cut Flower Company, Oliver avenue, as our regular place was entirely too small. One new member was elected and ten proposed for membership, giving a total of about 175 members—in all a very good showing. The committee of private gardeners handed in a schedule of plants and cut blooms to be exhibited at our monthly meetings during the year which will be acted upon at next meeting. These exhibits will be competitive and prizes and certificates of merit will be awarded.

Election of officers for the year resulted as follows: F. Burki, president; E. C. Reineman, vice-president; H. Blind, treasurer; H. P. Joslin, secretary; E. C. Ludwig, assistant secretary; Messrs. Randolph, Bader and Crall, executive committee. A vote of thanks was tendered to retiring President Jones for his untiring efforts the past two years as presiding officer. President Burki on taking the chair said that he alone could not make a success of the meetings, but he would do all in his power and hoped the members would assist him. Messrs. Crall, Wyland, Langhans, Garland and Burki spoke at the Carnation Society's convention in Washington; all were pleased with the exhibition and meeting. Some remarks were made as to the keeping qualities of some of the blooms, particularly some of the best seemed to be poor in that respect, and it was the opinion of those present that the medium sized flowers were best for commercial trade, keeping longer and giving better satisfaction to the purchasers. Mr. Wyland said that in his estimation Winona and Winsor were the best two pinks. Mr. Langhans spoke highly of Dr. Galloway's work, carried on by the Department of Agriculture. The boys were sorry that the convention was not carried for Pittsburg next year, and if they had known the vote would have been so close a few

more would have gone to Washington to vote.

Mr. Smith, who is a grower of carnations for A. Lorch at De Haven, gave his experience in fumigating with hydrocyanic acid gas, stating that it was the best method if properly used, taking less time, as once a month is sufficient to use it, other methods requiring three or four times a month. The gas kills absolutely all insects that are troublesome. He was asked about red spider, but he said that he is not bothered with this pest, so could not say whether the gas was effective as a remedy for it.

The executive committee was instructed to secure a new meeting place for the club as the present room is not large enough for meetings and exhibitions.

The next meeting in March, bulbous and other seasonable flowers and plants will be the subject and prizes will be awarded to commercial growers only. For the private gardeners prizes will be offered for the following: Six pots bulbous plants in variety; three plants other than bulbous and three Primula obconica.

The following were the exhibitors: J. L. Wyland, De Haven, showed Rose Pink Enchantress, White Perfection, Mrs. Lawson and Enchantress carnations. South View Floral Company staged Mrs. Lawson, Glendale, White Lawson, Lady Bountiful, Enchantress, Dorothy, Harlowarden and a light pink sport of Lawson. S. J. Hatch, De Haven, showed White Perfection, Enchantress and Rose Pink Enchantress. The Finleyville Floral Company, Finleyville, Pa., had Winsor, Rose Pink Enchantress, Aristocrat, Enchantress, Robert Craig, Beacon, White Perfection and Hannah Hobart. The Pittsburg Rose & Carnation Company exhibited Beacon, Mrs. Lawson, Winsor, Enchantress, White Perfection, Rose Pink Enchantress and Lady Bountiful. F. H. Westhoff, De Haven, Robert Craig, Aristocrat, Mrs. Lawson, Enchantress, White Perfection, Rose Pink Enchantress, John E. Haines, Bethlehem, Pa., showed John E. Haines, Pink Imperial and Imperial.

The private gardeners helped considerably to make the exhibition a success; the following gardeners were contributors: N. C. Madsen, gardener to Mr. R. H. Boggs, Sewickley, showed a bunch of cut carnations, and a fine lot of primula plants such as obconica, gigantea, anulus and floribunda, the plants were of the best grown ever seen in our city; Mr. Jenkinson, gardener to Mr. A. Peacock, had a bunch of cut carnations; H. S. Price, gardener to Mr. G. Laughlin, a plant of genista in full bloom and cyclamen plants which were much admired, being one mass of white bloom; Dr. Shafer's gardener, Mr. Hutchinson, showed some fine orchids in bloom.

The judges, W. Breitenstein and J. Murchie, Sharon, Pa., awarded prizes as follows: Dark pink Lawson carnation, A. Lorch, first, Aristocrat; F. Westhoff, second; light pink, Enchantress, Pittsburg Rose & Carnation Company, first; J. Wyland, second, White, F. Westhoff, first; S. J. Hatch, second; pink, Winsor, Pittsburg Rose & Carnation Company, first; Rose Pink Enchantress, J. Wyland, second, Red, Robert Craig, F. Westhoff, first; Beacon, Finleyville Floral Company, second. Private Gardeners—cut blooms, Mr. Jenkinson received first, \$7.50; and Mr. Madsen second, \$2.50. These two prizes were given by A. T. Boddington, New York. Certificate of merit was awarded to John E. Haines for carnations and cultural certificates were awarded to Mr. Price for his well-grown cyclamen and to Mr. Hutchinson for orchids. A vote of thanks was tendered to the judges, who had quite a job on their hands as all the exhibits were first-class. E. C. REINEMAN.

SOUTHERN WILD SMILAX BEAVEN'S FADELESS MOSS NATURAL SHEET MOSS E. A. BEAVEN, Evergreen, Ala.

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European Agents for THE AMERICAN CARNATION

JERSEY CITY, N. J.—The wife of Daniel Cole, florist, Newark avenue, this city, died on Saturday, February 1, 1908.

Heating.

Growers' Problems Solved by U. G. Scollay.

Please advise me how to heat a greenhouse (plan of which is sent herewith) with hot water, where to run the pipes, etc. You will see the heater is to be inside the greenhouse. Would you recommend putting it outside, or at either end? The specifications of the house are as follows: Main house to be 20x10 feet, three-quarter span, north wall 7 feet high, solid, south wall 5 feet (3 feet solid, 2 feet glass). Three doors, east end, north side, and connecting main house (for carnations) with small house (for violets) on west end. Ridge to be about 12 feet high and immediately over point 12 feet from south side. The violet house is to be 10x10 feet, with walk all around and one bed in middle; even span, walls to be about 1 feet high, half solid and half glass. Angle of roof about 35 degrees. Main house to have ventilators along south wall and along south side of ridge. Violet house to have ventilators in both walls and in ridge.

In planning, please figure to heat a propagating house 7x35 feet which is to be erected on north side in the future, North Carolina. R.

—Do not place the boiler inside the greenhouse; it is never a good practice, for there is always the liability of coal gas destroying the plants. Your house is so short, being only 10 feet, that I can see no reason why you cannot place the boiler in the northwest end outside, back of the violet house, and on this basis, I give you a lay-out: Put eleven runs of 2-inch pipe in the carnation house; distribute them four under the south bench, three under north, and under each of the two inner benches two pipes each. From the mains, which will run along the house at the west end, you will run these pipes, raising gradually, according to instructions heretofore published in The Florists' Exchange, toward the east, which will be the highest end in your case. Let both flow and return pipes in these underbenches be all side by side, placed either on wood strips under the bench or on brick piers. Place a 2-inch full opening gate valve on each of the flows of these four coils. In the violet house you will place a wall coil around the northwest and south sides of two pipes 2 inches; being sheltered by the boiler room on the north you will find this ample for your climate to maintain 45 degrees. You will require from the boiler in this range of houses 2 1/2-inch, flow and return mains, or if you desire simply to cut all one size 2-inch you can run a separate flow and return, 2-inch, from the boiler, to take care of four pipe coils on the south side and two pipe on the south inner bench. On the other 2-inch flow and return side you will take care of the north bench and north inner bench and also the violet house. This will make a very simple working job, and should give good results.

The expansion tank can be located in the room over the boiler, or at some convenient point as much above the pipes as possible. For the propagating house, you can leave tees on the flow and return of the main having the least pipe taken from them, and you can pipe this house with four 2-inch pipes. To take care of these houses economically, I advise a boiler of about 700 square feet capacity. It is well to have plenty of boiler, for under the great changes of climatic conditions you are very liable to have cold weather in your locality. U. G. SCOLLAY.

A peculiar incident happened to our hot water apparatus last week. On going to the end of the propagating house (which is heated separately from the other houses by a hot water system) we found the cover of the expansion tank knocked off, and plants within two feet practically boiled to death. Several explanations were offered, among which was that water had boiled over, and so damaged the plants. On further examination we found that the cover had been left on the tank, with the slide closed tight so that no steam could escape or expansion could take place. The temperature the night in question was near zero outside, consequently the boiler was kept going good. Is such a thing possible, that a miniature explosion took place under pressure of steam, which was held in check by the closed top of the tank until strong enough to have thrown off the top and released the water, which when free flow all over, and being hot, boiled everything it came in contact with? Or have you any other explanation to offer. S. E.

—The expansion tanks you refer to, from your sketch, would seem to show that they are of the old style cast iron cylindrical type. The cover you mention I assume is simply laid on the top of



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PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

the tank loosely, and this top is fitted with a small ventilator or slide. From this you will see that the top has nothing to do with the matter of pressure, being placed there to keep things from falling into the tank and for ornamentation. If I am correct in this assumption, I must differ with you when you mention that no steam could escape or expansion take place, for it would take place with such a cover on or off. If your tank was absolutely a tight one under pressure, it would be a different matter. I assume that both of the tanks mentioned are on the same level, and the pipes of the same grade, and the explanation I offer is, that the tank would blow off the cover, being the most direct line from the boiler, and a trifle shorter run, would possibly accumulate the steam that the water formed in the boiler through hard firing on this cold night, and the water boiling over took the most direct course and so blew on the cover and threw the water around the house, which could all take place in a small fraction of time—even before the other tank could feel the result of the strain. I have seen the same thing happen before, and while you would think that both tanks would boil over, it does not always follow, for the reason explained above. If the relief had not come quickly through the shorter circulation, you would have found, through hard firing, that both the tanks would have boiled over, provided, of course, they were of the same height. If I am not correct in my description of the tanks in question, give me further particulars, also as to the levels and grades. U. G. SCOLLAY.

I would like to know your objections, if any, to piping a house for steam after the following manner: By running a line of 1 1/2-inch pipe along the purlin supports on each side of the house directly from the boilers to the opposite end of the house, about a foot or 18 in. from glass, then drop down and return toward the boiler through a sufficient number of 1 1/2-inch pipes, to heat the house. This seems to be the usual method of piping for hot water, and although I never saw a house piped for steam in this way, I don't see why it won't work.

It seems to me this method would heat the house more evenly all over than by having the steam go directly from the boiler under the benches, and the condensed steam return through a single pipe. S. E. S.

—The plan you suggest will work nicely provided the end bench coils are of sufficient height above the water line of the boiler to insure their being filled with steam and not water. If the run is very long, you must look into this question of the water line very thoroughly, for owing to the unequal pressure at a distance from the boiler on the main the absolute water line in the pipe will be higher than that shown in the gauge. The objection to putting the supply pipe in a steam job is that it would be too close to the glass, as that condenses very rapidly, and may have a tendency to give very little steam beyond vapor by the time you reach the far end unless you carry a good pressure. Of course, you will understand that the high point in the supply main will be nearest the boiler, allowing both condensation in this main and steam to flow the same way down from the far end of the house. The coils under the bench will then drop from the far end toward the boiler. In connecting up these coils I would advise valves being placed on each end of each of the 1 1/2-inch pipes, or at least every other pipe, so that the same can be controlled. U. G. SCOLLAY.

I have read in the heating column of The Florists' Exchange of the trouble the E. J. P. Company are having with their smoke stack, and I would like to make a suggestion. If they would start their flue at the floor of the pit, and leave an opening about one foot above the floor by leaving out one brick, so that some cold air from the cellar would draw through the stack, then have the flue from the boiler enter the stack on a rise from the boiler, by closing the damper to the boiler will create a draft from the bottom of the pit upward, and continual. This, I think will prevent dampness in the stack. CHAS. F. HILDEBRANDT, Brooklyn, N. Y.



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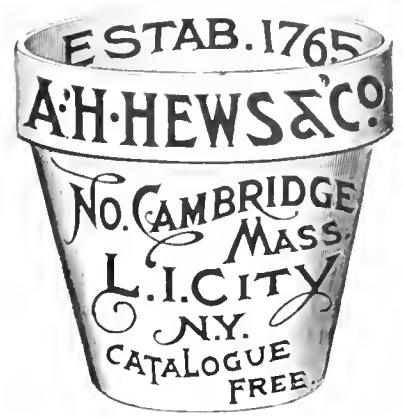
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The exceedingly mild Winter that has prevailed on this coast this season to date has been favorable for the production of strawberries, which are now abundant in our markets, and that, too, at comparatively low prices. They are offered in one-pound boxes, at 10c. per box, three boxes for 25c. The fruit is uniformly large, and of good color, but so destitute of strawberry flavor that if eaten with closed eyes, or by a blind person, the eater would never suspect that he was sampling strawberries. During the Summer months the fruits have a more pronounced flavor, but at no season of the year has this fruit, grown here, the rich, sparkling, sub-acid taste that characterizes it on the Atlantic Coast. Either soil or climate, perhaps both, has a tendency on this coast to subdue the acid in fruit and vegetables that are grown on both coasts. Tomatoes are not nearly so acid nor are Damson plums as sour as those grown in the East. The same may be truthfully said of rhubarb, although Victoria and all varieties of Rhenish palmarum are successfully grown only around San Francisco.

Several years ago Burbank conceived the idea of crossing these varieties on our native rhubarb, Rumex hymenosepalus, which grows wild in the hottest parts of this State. The result was what is known as Crimson Winter Rhubarb, and now this healthful vegetable may be had at a reasonable price anywhere on this coast. The stems are not half the size of those of the Victoria, yet it is rhubarb, but no wonder of The Florists' Exchange who can grow the large Victoria or Myatt's Linnaea, should allow himself to be misled by the amazing statements of disseminators of the feeble little Crimson Winter variety as compared to the giant sorts he has been growing.

For highly acid fruits we have the prolific pomegranate, Punica granatum, bouatis, Eriobotrya japonica, and guavas, Psidium Cattleianum, the only variety of this fruit tested here that is worthy of general cultivation. P. D. BARNHART.



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1500 2 1/2 " " " 5.00	48 9 in. pots in crate, \$3.50
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WICHITA, KAN. Jacob Wingard, formerly in the florist business here, died on January 27, 1908, at the age of 51. He was a native of Indiana, and a pioneer member of the A. O. F. W. lodge in this city.

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If you don't want an eave like this photograph shows, buy our houses with steel angle plate and cast iron roof bar brackets, all galvanized.

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HITCHINGS & CO.
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Philadelphia. Trade and News Notes.

We cannot report any change in the cut flower business; even on Monday morning, which is usually good, salesmen reported trade dull. Large quantities of flowers are on hand which are not moving at all freely. Bulbous stock is now swelling the list, going at very low prices.

John Welsh Young is about again this week showing no ill effects from his illness with typhoid fever.

Stephen Mortenson, Southampton, Pa., will build a new house 43x265 feet this Spring. Lord & Burnham Company have the order for the material and Kroeschell Brothers Company of Chicago the order for the boiler; they will use their No. 14 boiler to heat this house.

H. Twynne of the King Construction Company and F. Lautenschlager of Kroeschell's were in town the past week. J. Liddon Pennock of the firm of Pennock Brothers is ill threatened with typhoid.

DAVID RUST.

Newport, R. I.

Death of W. J. Allan.

On Tuesday, February 4, William J. Allan died at Dr. Darrah's hospital, where he had gone two weeks previously to undergo an operation for appendicitis. The death of the young man (he was only 24) came so unexpectedly when his recovery seemed certain, that it was a grievous shock to his relatives and friends. "Willie" Allan, as he was familiarly known, was one of the most popular young men in this city, everybody body was his friend because he was friendly to everybody. He was the only son of William Allan, gardener for Dr. Jacobs and grandson of the late William Allan, for many years gardener on the Travers estate. It will be thus seen that the young man who has just passed away was in the third generation of Newport gardeners of the same family. He was an assistant to John T. Allan on the Drexel estate. Besides his father, mother and one sister, his wife survives, all of whom have the sympathy of all.

D. M.

Syracuse, N. Y.

News Items.

The weather has been the chief topic of conversation here the past week, and there is good excuse for it, too, as it has been a record-breaker and many of the florists find their profits have gone into the pockets of the coal men. The past week was the severest known for some years. Syracuse has the record of having the lowest temperature of any large city in the state—10, 18 and 22 degrees below zero has been registered almost every morning; very heavy gales too have been frequent, which adds materially to the coal bill.

McKinley Day is not much observed here and comparatively few carnations were sold; doubtless if the weather had been more favorable there would have been a fair sale for the flowers.

Harry Bellamy, L. E. Marquise's general foreman, is confined to his house with stomach and liver trouble; his many friends hope it will not prove serious, and that he will soon be out again.

I am pleased to say that D. A. Campbell, our most capable park superintendent,

has been reappointed. The parks under his management have been greatly improved and beautified. He has a very capable assistant in Walter Menzies, Jr.

Harry Smith, who has been the superintendent of the State Fair grounds for some years, has resigned. He has done much to improve the appearance of the grounds and has shown very good taste in the arrangement of his flower beds, which have called forth a great deal of favorable public comment.

St. Valentine's Day here is not much good to the florists. Trade remains about the same as my last report.

H. Y.

Baltimore.

The News.

The Farmers' League of Maryland met at the Johns Hopkins University during the past week; a strong and representative delegation from different sections of the State was present. Horticultural societies, the Gardeners Club, agricultural and fair associations, each had questions of importance to discuss. Closer affiliation and co-operation with the various county societies and kindred associations seems to be an accomplished fact.

President McCormick, with the members of the Board of the Baltimore County Fair and Agricultural Society, has invited the Maryland State Horticultural Society to hold an exhibition and Summer meeting in conjunction with their fair. The Fair Association is about to erect a large and commodious building for a larger fruit and flower exhibit.

C. L. S.

GRAND RAPIDS, MICH.—E. M. Strong, E. E. Taylor, Frank Cook and S. J. Perry have consolidated their hot-house interests under a corporate title of the Grand Rapids Greenhouse Company. Individually they control quite an expanse of greenhouses south of the city in which they have been generous producers of lettuce and other vegetables. The merger is for the purpose of reducing the cost and that the industry may be carried on to better advantage, especially as to the handling of the output. It is intended the work shall be carried on upon a more extensive scale and the program calls for additional greenhouses. To provide for these \$165,000 of preferred stock bearing 8 per cent. cumulative dividends is being marketed.

GLEN COVE, N. Y. The third annual dinner of the Nassau County Horticultural Society which was given at the Oriental Hotel, Glen Cove, on January 29, was a very enjoyable affair, about fifty members and guests being present. President Jaenicke occupied the chair and gave the members some good advice as to attending the meetings, reading essays and other matters of that kind, expressing the wish that the society would soon be in a position to have a home of its own. Among those taking part in the entertainment of the guests were D. McFarlane, W. E. Marshall, A. V. Kohler, John White, James Scott, W. Sperling, Jos. A. Manda, the Richards Brothers, Ex-President Mackenzie, Chas. Lenker, Robert Angus, S. J. Tress and James Cant.

President Jaenicke announced that the winners of the medals for the highest number of points received in competition

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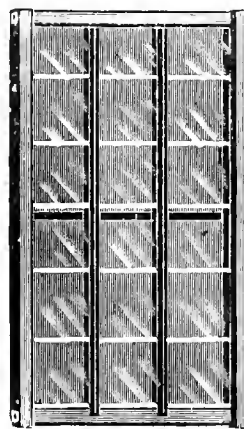
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during the past year were as follows: Mr. Mackenzie, gold medal; Mr. Jaenicke, silver medal, and Henry Matz, bronze medal. Ex-President Mackenzie was presented a handsome fountain pen for his efforts during the past year in behalf of the society. G. M. K.

SEABROOK, N. H. — Ellsworth Brown of The Grangers' Nurseries has blossomed forth as the author of a popular song—My Automobile Girl—which has been set to music by Madden Music Company, and published by Melville Music Publishing Company, 55 West Twenty-eighth street, New York.

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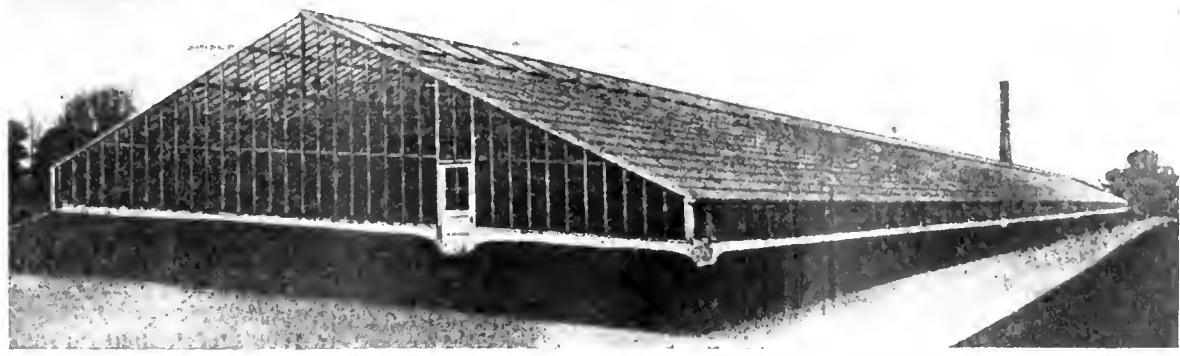
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Geraniums, best commercial varieties, rooted Cuttings, \$2.00 per 100.
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Fuchsias, Elm City; Arabella; Black Prince; Avalanche; Lord Beaconsfield gracilis.
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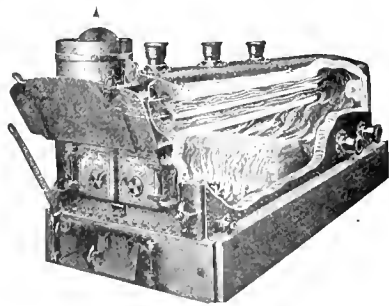
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We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS AND SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXV. NO. 8

NEW YORK AND CHICAGO, FEBRUARY 22, 1908

One Dollar Per Year

CARNATION CUTTINGS

We are in unusually good position to supply exceptionally well-rooted, healthy stock. We have such a large quantity of flowering plants that we propagate only from heel cuttings from flowering shoots. Our cuttings are rooted in light, sunny, airy houses, and we are sure will satisfy the most critical buyer.

A prominent carnation grower writes: "You seem to be THE ONLY FIRM IN THE BUSINESS THAT KNOWS HOW TO PACK STOCK AND HAVE IT REACH THE BUYER IN GOOD CONDITION, and I have always found your cuttings cheaper than the same varieties from others at much lower figures."

While our prices may not always be the cheapest, we certainly can give, quality considered, as good value as, if not better than, is obtainable anywhere.

WINSOR which we introduced last year has proven to be the finest novelty introduced in years. We think it is the most profitable variety grown to-day, considering its fine color, splendid keeping qualities, and productiveness. When properly grown, it leaves little to be desired, and almost everyone succeeds with it.

White Enchantress

the best all-round white carnation, on account of its large size, long stem, earliness, and productiveness. Our White Enchantress, exhibited at the Carnation Convention at Washington, was the only White Enchantress exhibited that received an award.

Strong-rooted cuttings, now ready for delivery, from sand, \$6.00 per 100, \$50.00 per 1000; from soil, \$7.50 per 100, \$60.00 per 1000.

Buyers will find transplanted stock offered from soil well worth the difference in price.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York



Grafted and Own Root Stock

Richmond, Killarney, Liberty, Bride, Bridesmaid, Kaiserin and Carnot

In excellent condition

Send for prices

W. H. ELLIOTT, Brighton, Mass.

We offer, also,

VICTORY and RED CHIEF, from sand, \$6.00 per 100, \$50.00 per 1000; from soil, \$7.50 per 100, \$60.00 per 1000. Also

VICTORY, MELODY and WHITE PERFECTION, from sand, \$4.00 per 100, \$35.00 per 1000; from soil, \$6.00 per 100, \$45.00 per 1000.

VARIEGATED LAWSON, WHITE LAWSON and RED LAWSON, from sand, \$3.00 per 100, \$25.00 per 1000; from soil, \$4.00 per 100, \$35.00 per 1000.

We can supply, also,

WINONA and AFTERGLOW at \$12.00 per 100, \$100.00 per 1000.



Vaughan's Asparagus Plumosus Nanus Seed

100 seeds 60c.; 250 seeds \$1.25; 500 seeds \$2.25; 1,000 seeds \$4.00; 5,000 seeds \$19.25; 10,000 seeds \$37.50.

Florists' Flower Seeds

THE BEST IN AMERICA. NEW CROP

For a complete list, also Bulbs, Plants, Supplies, etc., send for

VAUGHAN'S BOOK FOR FLORISTS

Free to florists on application.

TUBEROUS BEGONIA,

Single white, yellow, pink and scarlet 35c. per doz., \$2.50 per 100; single mixed 30c. per doz., \$2.25 per 100; double white, yellow, pink and scarlet 60c. per doz., \$4.50 per 100; double mixed 50c. per doz., \$4.00 per 100.

GLOXINIA CRASSIFOLIA GRANDI.

Extra fine strain in separate colors 50c. per doz., \$3.50 per 100; choice mixture 45c. per doz. \$3.25 per 100.

Vaughan's Seed Store

14 BARCLAY ST. NEW YORK

CHICAGO, 84-86 Randolph Street, Greenhouses, Western Springs, Ill.

GERANIUMS

Our New Illustrated Catalogue mailed to the trade.

An Immense Stock of plants in 2 inch pots ready for immediate shipment, \$2.00 per 100 up to \$1.00 each.

Our selection of 20 good varieties, \$18.50 per 1000.

New Varieties, 1905-6 Introduction, one plant each of 50 kinds, \$5.00.

1907 Novelties, Bruant's, Cannell's, Bouchardat's and Lemoine's introduction, one each of 50 kinds, \$10.00.

	Per 100
PELARGONIUMS, Strong plants, 2 inch pots	\$6.00
IVY LEAVED GERANIUMS, Six good varieties	\$25.00 per 1000 3.00
DAHLIA ROOTS, 100 varieties, whole field clumps	5.00
HARDY CHRYSANTHEMUMS, 75 varieties	\$2.00-3.00
ALYSSUM, Giant Double	2.00
CUPHEA, Cigar plant	2.00
COLEUS, Verschaffeltii, Golden Bedder and other kinds	2.00
FUCHSIAS, Black Prince and Minnesota	2.00
FUCHSIAS, Lieutenant Muritz, White and Rose Phenomenal	2.50
HARDY ENGLISH IVY, Extra strong	\$15.00 per 1000 2.00
HOLLYHOCKS, Strong 3 inch pot plants, double white, pink, red and yellow	3.00
LOBELIA, Crystal Palace Gem	2.00
PANICUM, Variegated, Handsome basket plants	2.00
TRADESCANTIA, Dark Variegated	2.00
VERBENA, Red, white, purple and pink	2.00
CALADIUM esculentum	1st size, \$2.00 per 100, 2d size 1.00
LAVENDER, 2 1/2 inch pots, strong	3.00
SWAINSONA alba	2.00

Visitors always welcome. Cash with order.

R. VINCENT, JR. & SONS CO.
WHITE MARSH, MARYLAND



It's a Past Thing
WASHINGTON'S BIRTHDAY.

We still have some of that
LINCOLN'S PANSY SEED left.

Extra Blended for 50c. a packet.

Wm. Elliott & Sons, 201 Fulton St., N. Y.

NEW DOUBLE BLUE LOBELIA

KATHLEEN MALLARD The Best Novelty for 1908

Intensely blue flowers, often measuring 3/4 inches in diameter, literally cover the plant, producing a splendid effect.

By buying now you can triplicate your stock from cuttings before planting time.

From 2 1/2 in. pots, \$1.00 per doz., \$8.00 per 100.

By Express Only

W. W. RAWSON & COMPANY
5 Union Street Boston, Mass.



Landreth's Seeds

NONE are BETTER

Try Landreth's Red Rock Tomato, the best Large Red Sort
Wholesale price \$2.75 per pound.

Or Shipper's Pride Cantaloupe, \$1.20 per pound.

BLOOMSDALE SEED FARMS, BRISTOL, PA.

You do not know what a

GOOD CROP OF MUSHROOMS

Is before you have tried my Spawn. Be sure to try my Spawn this season.
Write me and I will send you free of charge valuable information on the subject.
FRESH SUPPLY OF SPAWN EVERY MONTH.

KNUD GUNDESTRUP Mushroom Specialist, CHICAGO
4273 Milwaukee Ave.,

Conway's White Branching Aster

The flower is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season till late. Considered by the leading florists to be the best and most profitable flower ever grown.

Trade Packet \$1.00, Half-Ounce \$3.00, Ounce \$5.00

Cash with order please

F. A. CONWAY & CO. INDIANAPOLIS, IND.

PANSIES SHAMROCK

THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses. All transplanted. A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500. PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

E. B. JENNINGS,

Lock Box 254, SOUTHPORT Conn.
Grower of the Finest Pansies

W. & D.'S SPECIALTIES FOR 1908

Tomato, "The Don," best for forcing. Cauliflower, First and Best. Onion, Allis Craig. Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spawn, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready. Free on application. WEEBER & DON, SEED MERCHANTS AND GROWERS
114 Chambers St., NEW YORK

IRISH. THE REAL THING! GREEN.

Best to order early and grow on for strong plants for St. Patrick's Day. Our stock is very fine. \$4.00 per 100, or post-paid 60c. per dozen.

XXX SEEDS

VERBENA, Improved Mammoth, finest grown, mixed. 1000 seeds, 25c.
PHLOX Drum, pumila, very dwarf, grand for pots, fine colors. Pkt. 25c.
ALYSSUM compactum, most dwarf and compact var. grown, perfect balls when grown in pots. Pkt. 25c.
PETUNIA, Star Improved, from finest marked flowers, very fine. Pkt. 25c.
PETUNIA, Giant Single-Fringed, large and fine. Pkt. 25c.
CHINESE PRIMROSE, finest grown, single and double mixed. 500 seeds, \$1.00; 1/2 pkt. 50c.
GIANT PANSY, finest grown, critically selected. 5000 seeds, \$1.00, 1/2 pkt. 50c.
SALVIA, Bonfire, finest grown, brilliant scarlet and compact. 1000 seeds, 40c.
CASH. Extra count of seeds in all packets.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES

CANNA BULBS

Fine plump, Northern Grown, and in fine condition. Not to be compared with Southern grown stock, that are never thoroughly ripened and therefore are very slow to start growing.

	Doz.	100	1000		Doz.	100	1000
Allemania	\$0.35	\$2.50	\$22.50	Gladiator	\$0.40	\$3.00	\$27.00
Black Prince	.40	3.00	27.00	King Edward	.50	3.50	32.00
Black Warrior	.35	2.50	22.50	Louisiana	.55	4.00	35.00
Burbank	.30	2.25	20.00	Mad. Crozy	.40	3.00	27.00
Black Musafolia	.40	3.00	27.00	Mlle. Berat	.30	2.25	20.00
Charles Henderson	.35	2.50	22.50	Musafolia	.30	2.25	20.00
Director Roelz	.35	2.50	22.50	Paul Marquant	.30	2.25	20.00
Flamingo	.30	2.25	20.00	Pres. McKinley	.35	2.50	22.50
Florence Vaughan	.35	2.50	22.50	Queen Charlotte	.35	2.50	22.50
Golden Star	.30	2.25	20.00	Robusta	.30	2.00	18.00
				Red Cross	.30	2.25	20.00

STUMPP & WALTER CO.

50 Barclay St., NEW YORK

YOU USE RIBBONS to enhance the beauty and add to the value of your bouquets, flowers and decorations. WE MAKE RIBBONS which enhance the beauty and add to the value of your bouquets, flowers and decorations.

THEREFORE

Let us get together for our mutual gain. Write us a postal for samples. Samples are small and not very good as trade getters, but even small samples cannot but convince you how superior Pine Tree Ribbons are, and how moderately priced. We do not claim that we can weave ribbons cheaper than any one else, but we do claim that Pine Tree Ribbons are superb in lustre and colors, and that by buying direct from the manufacturer you

SAVE ALL BETWEEN PROFITS

The Pine Tree Silk Mills Company
Philadelphia

Office and Salesrooms: 806-808-810 ARCH STREET
Address Dept. E, 52-54 N. EIGHTH STREET

We should like to send you samples of the new weaves and colors which are now on our looms for this Spring. Delivery of these quantities and colors may be made almost immediately.

QUALITY BEST **GLADIOLUS** PRICES LOWEST

	Per 100	Per 1,000	
AMERICA. The finest pink; cannot be beaten	\$7.00	\$60.00	All bulbs are guaranteed sound and the very best in the market. Special low prices on all other Spring bulbs, plants and roots.
AUGUSTA. " " white	2.00	17.50	
MAY. " " white and rose	1.75	15.00	
BRENCHLEYENSIS. Brilliant scarlet	1.50	10.00	
WHITE and LIGHT. The finest in the country	1.50	12.00	
UNCLE SAM. Extra fine, all colors	1.00	9.00	

F. W. O. SCHMITZ, Prince Bay, N. Y.



ESTABLISHED 1802

Send for our wholesale list of seeds for Florists and Market Gardeners, ready in a few days.

GLADIOLUS PRIMULINUS

\$8.00 per doz.; \$60.00 per 100

PRIMULINUS HYBRIDS

\$3.00 per doz.; \$20.00 per 100

J. M. THORBURN & CO.

33 Barclay St., through to
38 Park Place, New York.

Everything of the highest grade.

NEW CROP

FLOWER SEEDS

Verbena Mammoth, In colors or mixed, 1/4 oz. 30c., oz. \$1.00.
Salvia Splendens, 1/4 oz. 35c., oz. \$1.25.
Salvia Bonfire, 1/4 oz. 75c., oz. \$2.50.
Lily Valley, Early Forcing, to close out, per 1000, \$11.00.
Fresh Tobacco Stems, Bale of 300 lbs. \$1.50.

W. C. BECKERT, Pittsburg, N. S., Pa.

—Established 1824—

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

The book of WATER GARDENING

By Peter Bleset. Price, postpaid, \$2.50
A. T. DELA MARE PTG. & PUB. CO., LTD.
2 to 8 Duane Street, New York

CYCAS REVOLUTA

(Sago Palm Stems)

True long-leaved variety, 5 lbs. 60c to 10 lbs. \$1.00, 25 lbs. \$2.00, 100 lbs. \$7.00, 300 lbs. (crates) \$20.00. Stems are graded in cases as follows: 1/2 lb. to 2 lbs., 2 lbs. to 5 lbs., 5 lbs. to 10 lbs.

Headquarters for BEGONIAS, GLOXINIAS, PEONIES and LILY of the VALLEY. Write for Florists' Wholesale Catalogue.

JOHNSON SEED COMPANY
217 Market St., PHILADELPHIA, PA.

Our ad. Jan'y 25th will interest BUYERS

LOOK IT UP
H. H. BERGER & CO., 70 Warren St., New York

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



Cyclamen

Superb Englab Strain
Second to none in size of flowers!
Giant Crimson. —
" Pink.
" White.
" White with Claret base.
" Mauve.
" Salmon Queen.
" New Fringed.

100 seeds \$1, 1000 seeds \$9.
H. E. FISKE SEED CO.
12 and 13 Faneuil Hall Sq., BOSTON, MASS.

Gladiolus "America" FOR FORCING

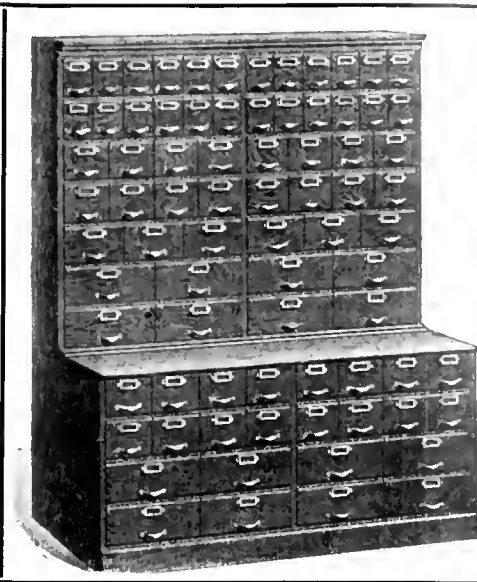
Strong bulbs, \$60.00 per 1000.
Florists' white and light, mixed, \$12.00 per 1000.
Iris Kaempferi, named, \$50.00 per 1000.
Iris Kaempferi, mixed, \$30.00 per 1000.
Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.
Phoenix Roebeleni seedlings, \$4.00 per 100.
Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.

Established 1900
POAT BROS.
BULB GROWERS
FORMERLY OF ETTRICKS, VA.
GIVE NOTICE OF
CHANGE OF LOCATION
(Owing to Largely Increased Business)
All Communications Must Now be Addressed
POAT BROS., BULB GROWERS
NORTH SIDE, HIGHLAND PARK
RICHMOND, VA.

GLADIOLI

Write for 1908 trade list of Named Varieties, Color Sections and Choice Mixtures. First-class stock at reasonable prices.
E. E. STEWART, Rives Junction, Mich.



HELLER'S MICE-PROOF SECTIONAL SEED CASES BOXES and BINS

Send for Cuts and Prices

HELLER & CO. MONTPELIER Ohio, U. S. A.

HYDRANGEA and PRIVET CUTTINGS

HYDRANGIA CUTTINGS \$3.00 per 1000.
PRIVET CUTTINGS \$1.35 per 1000.

THE ELIZABETH NURSERY CO., ELIZABETH, N.J.

S.M. ISBELL & CO. JACKSON, MICH.

CONTRACT SEED GROWERS
Beans, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn
Correspondence Solicited
Write for Prices on Surplus Stocks for Immediate Shipment

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
George S. Green, Chicago, Ill., president; M. H. Duryen, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

The aggregate value of the seeds exported from the United States during the year 1907 was \$8,856,352 compared with \$11,259,421 during 1906. The imports of seeds in 1907 were valued at \$7,346,470 against \$5,563,019 in 1906.

During the year ended December 31, 1907, the value of the declared exports of seeds, plants, etc., from the consular district of London, Eng., to the United States was \$1,182,502.

SIENANDOHAI, IA.—J. W. Rakekin reports the demand for corn and other farm seeds far ahead of all previous records for this time of year.

FLORAL PARK, N. Y.—I. S. Hendrickson, manager of the wholesale department of John Lewis Childs, returned to his desk this week, after an absence of two months, caused through severe illness.

JERSEY CITY, N. J.—"To manufacture and sell certain nitrogen gathering organisms or bacteria for use in inoculating plants, seeds or soil" is the object of the Earp-Thomas Farmogerm Company, as stated in its articles of incorporation filed on February 11, 1908. The capital stock is \$180,000. Incorporators are John A. Graves, Edward J. Pierce, August H. Trimmel, John S. Gormley and Joseph W. Kennedy.

IMPORTS OF SEEDS, ETC.—February 10, J. S. Bullington & Company, 200 bags clover seed; J. M. Thorburn & Company, seven bags seed; A. Dickinson & Company, 200 bags clover seed; Ladenburg, Thalman & Company, 100 bushels clover seed; F. B. Vandegrift & Company, 11 packages plants; Amermann & Patterson, seven packages plants. February 11-12, McIntosh & Company, two cases bulbs.

FRANKFORT, KY. Pure field seeds and how to get them for the farmers of the State furnished the topic for a lively debate in the Senate on February 11. The debate was on the bill offered for Senator J. W. Newman, requiring only pure seeds to be sold and appropriating money for the carrying into effect of the law. The bill provides that the Kentucky Experiment Station, at Lexington, shall charge a fee of \$5 for making an examination of seeds and also says that the director and agents of the station shall have the right to inspect at any time the stock of seeds which may be carried by any dealer. Several objections were made to the bill, the principal one being that it takes money out of the State Treasury for the prosecution of offenders of a special character, and does not leave the law to be enforced in the regular way, as other penal statutes are enforced. Senators Campbell and Rives opposed the appropriations and thought the law could be enforced as well as any other law without a special appropriation. The amendment offered by Senator Campbell provided for the elimination of the appropriation, which the author of the bill said would kill it. Senator Rives offered amendments which left the bill general and simply made it unlawful to sell adulterated seeds and providing the penalty.

Vick's Quality Aster

INTRODUCED BY US GROWN EVERYWHERE
SEND FOR OUR NEW Illustrated and Descriptive Aster Book for Florists

- Vick's Branching (8 colors)
- Vick's Snowdrift
- Vick's Royal Purple
- Vick's Lavender Gem
- Vick's Daybreak
- Vick's Purity
- Vick's Sunset
- Vick's Mikado
- Vick's Cardinal
- Vick's Violet King

HOW TO GROW ASTERS, Revised
Full of information for Aster growers.
Price 10c.
Free with an order of Aster Seed.

FLORISTS' NOVELTY COLLECTION

- Six of our latest introductions including Sunrise (New) and Early White Branching (New).
- Vick's Early White Branching \$0.25
 - Vick's Imperial Aster Sunrise .25
 - Vick's Violet King .25
 - Vick's Cardinal .25
 - Vick's Lavender Gem .25
 - Vick's Rosy Carmine .25
 - How to Grow Asters .10
- \$1.55

All of the above, including our "Aster Book for Florists" for 90c.

It describes in detail, not only the varieties originating with us, but also all other leading sorts.
The largest and handsomest work of its kind ever issued.

"Every Florist ought to have
Wick's Wholesale Catalogue
which gives prices on all the best varieties of flower and vegetable seed; plants for greenhouse and outdoors; splendid assortment of bulbs. Both of these catalogues are free."

JAMES VICK'S SONS ROCHESTER, N. Y.

The Leading Specialists and Largest Growers of High-Grade Asters in the World.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

A. MITTING
Calla Lily Bulb Co
WHOLESALE
17 to 23 Kennan Street
Santa Cruz, Cal.
U. S. A.

GLADIOLUS BULBS

100.00 from 11 inches up at \$4.00 per 100.
100.00 12 to 14 inches at \$2.00 per 100. Cash with order. Description given on request.
Nice block of **CALIFORNIA PRIVET**, \$10.00 per 1000 and up to quality, write for particulars.
Nice lot of **AMERICAN CHESTNUT TREES** at a bargain. 35 large **SUGAR TREES**, most of them sample trees.

I. & J. L. LEONARD, Iona, N. J.

Your Money is well spent when you

advertise in

THE FLORISTS' EXCHANGE

GREGORY'S SEEDS

have earned a world-wide reputation. Thousands of farmers and gardeners rely upon them absolutely because they are sure growers. If you have never planted them, just try them this year. Our new catalogue helps solve all the problems of planting—will be likely to set you right when in doubt.
IT'S FREE. Write for a copy.
J. J. H. GREGORY & SON
MARBLEHEAD, MASS.

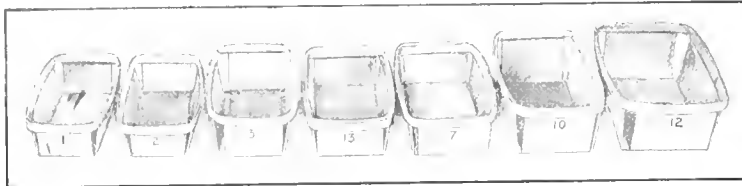
C. C. Morse & Co.
SEED GROWERS, San Francisco, Cal.
Address all communications to our permanent address, 48 to 56 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses Santa Clara, Farms and Farm Headquarters, Carnadero, near Gilroy

Baskets for Florists

COLES & COMPANY

109 and 111 Warren St., Established 1884 NEW YORK

Write for Catalogue.



TILL OR VERBENA BASKETS

No. 1 is 8 1/4 inches long, 4 1/2 inches wide, 2 1/2 inches deep, packed 500 in a crate, per 1000, \$7.50
 No. 2 is 9 1/2 inches long, 5 inches wide, 3 inches deep, packed 500 in a crate, per 1000, 8.00
 No. 3 is 9 1/2 inches long, 5 1/2 inches wide, 3 1/2 inches deep, packed 500 in a crate, per 1000, 8.00
 No. 4 is 10 inches long, 5 1/2 inches wide, 3 inches deep, packed 500 in a crate, per 1000, 8.00
 No. 5 is 10 1/2 inches long, 6 inches wide, 4 inches deep, packed 500 in a crate, per 1000, 9.00
 No. 6 is 11 inches long, 7 inches wide, 4 inches deep, packed 25 in a crate, per 1000, 10.00
 No. 7 is 11 inches long, 7 inches wide, 4 inches deep, packed 25 in a crate, per 1000, 10.00
 With detached wire handles if required, \$2.00 per 1000 additional.

Made of Selected White Wood. Special Sizes Made to Order.

Seed Trade Notes.

The break in the steady cold weather that came this week gave every branch of the trade a quick increase of orders; it is always so at this season, but after Washington's Birthday is over those ups and downs of trade will pass, and the steady rush of seed buying for the season of 1908 will be upon us. The mail trade has again greatly increased, and will in a very few days be ahead of the most satisfactory volume of January. Counter business has shown quite a little spurt the past few days; we are not far away now from the rush. Wholesale orders have been larger than a year ago at this time, even in the face of the very high rates demanded for many standard seeds. Conditions on the whole continue very favorable.

The yearly "night-work" question is again looming up—it is the bane of the seedsman's life. Every year as the busy season approaches every effort is made to complete the advance preparations so fully that evening labor will not be necessary. All such plans are of no avail; and from now on until the season is over, night work to a more or less extent will be the rule with us all. And not only are many firms absolutely obliged to work their men at night, but in many cases Sundays as well; there seems to be no other way out of it in our business, where practically the bulk of the year's orders are received and filled within a dozen or so weeks.

All dealers who cater to and do a wholesale business are having much trouble in securing from their growers their supplies of sweet corn; small as the total volume of these supplies is, it does seem almost impossible this year to get the goods out of the hands of the growers. But do not blame the growers too severely; what they have endured this season in trying to get the sweet corn dry enough to handle they themselves only know.

IMPORTS OF SEEDS, ETC.—February 4. W. J. Bush & Company, 18 bags seed; W. Elliott & Sons, one bag seed; February 6. Vaughan's Seed Store, eight cases bulbs; H. Frank Darrow, five bags garden seed; Peter Henderson & Company, 50 bags grass seed; Maltus & Ware, one box seed; E. J. Hays seed; 13 cases plants; W. H. Stiner & Son, seven bags seed; J. M. Thorburn & Company, nine bags seed; February 7. Vaughan's Seed Store, one case seed; Maltus & Ware, two cases trees; February 8 and 9. S. D. Bidell, 200 bags clover seed; Vaughan's Seed Store, three packages seed; H. P. Darrow, 39 packages seed; Peter Henderson & Company, 20 bags seed; McHutchison & Company, 55 cases plants; February 10. Binghamton Seed Company, one case seed, one lashed seed; Maltus & Ware, three packages

seed; J. S. Buntington & Company, 200 bags clover seed; J. M. Thorburn & Company, seven packages seed; The Albert Dickinson Company, 260 bags clover seed; P. B. Vandegriff & Company, 11 packages plants; Ammermann & Patterson, seven packages plants; L. J. Spence, 61 packages plants; G. W. Sheldon & Company, 180 packages plants, etc.; Peter Henderson & Company, one case seed; Lazebere & Company, one case seed.

The wisdom of free seed distribution is a debatable subject in this country, and for it might be substituted the plan just inaugurated by the Canadian government, which has decided to spend nearly \$3,000,000 in seeds which will be for the use of needy farmers, the money, however, to be in a lien on the land at 5 per cent. interest. By such a method it is certain that only those deserving will obtain the help, a far better plan than the one in this country, where so much of the real intention of the scheme is wasted. Plymouth (Mass.) Memorial.

European Notes.

February has brought a more plentiful supply of sunshine than we have been blessed with of late and has infused a little hope into the minds of the growers of florists' flowers of the choicer types such as primulas and cyclamen. These are in full bloom just now and only waiting for a genial spell for the work of brushing to be started.

As regards primulas, up to the present no very startling novelty has appeared except a giant form of the old Chiswick Red and a very deep velvety crimson overlaid with maroon, much in the style of Comet but of a richer and deeper color. In the full light of the sun, or under a powerful electric lamp, it is an intense glowing scarlet, and despite the small size of the flower it is certain to be in great demand for decorative work. The new Orange King is well to the front, being one of the earliest varieties in commerce. A new form of P. strobilata named "Streathamii" has recently been exhibited; the leaf and stalk are quite a pale green and the flowers pure white. It appears, however, to lack the vigor of the original brown-stemmed varieties.

In cyclamen, the great improvement in the habit of the fringed section is the most noteworthy feature; the colors of some of the newer French varieties are extremely beautiful.

As regards the seed business generally, we are literally inundated with orders just now. The weather in the greater part of northern Europe is so mild and dry that the market growers have already sown their carrots, onions and parsnips, and propose to commence planting early potatoes next week. Seed growers in

Surplus Holland Plants

at Greatly Reduced Prices

Roses Dwarf H. P., Hybrid Teas, Standards.

Rhododendrons Parsons, Catawbiense.

Azaleas Mollis, Fontica (hardy Ghent.)

Boxwood Bush form, pyramid, standard

H. M. HARDYZER, Boskoop, HOLLAND

American Agent:

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FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN**, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. in postage stamps. Address **American Spawn Company, St. Paul, Minn.**

favorable localities are busy sowing spinach, cross, onion, and radish, and look will follow in another ten days. As regards biennials we note that carrots have passed the Winter much better than last year, and that mangels have been severely punished by the January frosts. Parsley and parsnip are a good stand; brassicas do not please us.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

J. MURRAY BASSETT, Hammoncton, N. J. Special Catalogue of Dahlia Roots, Illustrated.

BINGHAMTON SEED COMPANY, Binghamton, N. Y.—Flower and Vegetable Seed Annual for 1908.

DENAFFRE & FILS, Carignan, France. General Catalogue of Seeds, Illustrated. Printed in the French language.

FRASER NURSERY COMPANY, Huntsville, Ala.—Surplus List of Fruit and Nut Trees, Field-grown Roses, etc.

KENDALL & WHITNEY, Portland, Me. Illustrated Catalogue of Garden, Field and Flower Seeds, Implements, Fertilizers, etc.

MILLS & COMPANY, Mamaroneck, N. Y. Catalogue of Bulbs, Plants and Seeds, a specialty being made of Dahlias.

CASSEL NURSERY COMPANY, Cleveland, O. Price List of Surplus Stocks in Ornamental Trees and Herbaceous Plants.

W. B. LONGSTRETH, Gratiot, O. Illustrated Catalogue of Garden and Flower Seeds, Roses, Carnations, Geraniums, etc.

P. MANN & COMPANY, Washington, D. C. Illustrated and Descriptive Catalogue of Vegetable and Flower Seeds, Garden and Farm Tools, Implements, etc.

PETER HENDERSON & COMPANY, New York. Implement Catalogue for 1908, Illustrated. A most comprehensive assortment in the way of Farm and Garden Implements.

JACKSON & PERKINS COMPANY, Newark, N. Y.—Price List of Grafted Roses, also of Vines, Clematis, Conifers, Ornamental and Shade Trees, Dahlias, Shrubs, Perennials, etc.

THE P. E. CONINE NURSERY COMPANY, Stratford, Conn. Illustrated Catalogue of Nursery Stock, Fruit Trees, Small Fruits, etc. A well printed and comprehensive catalogue.

HOLLY STEAM ENGINEERING COMPANY, New York. Illustrated Descriptive Catalogue of the Holly Standard Electric Circulator, containing much useful information regarding this popular device.

ARTHUR COWEE, Berlin, N. Y. Illustrated Descriptive Catalogue of Gladioli, with useful notes on the cultivation of these popular flowers. Large lists of the most profitable varieties are enumerated.

A. DE MEYER, Ghent, Belgium, (McHutchison & Company, Sole Agents, 17 Murray Street, New York). Illustrated Catalogue of Palms and other Decorative Plants, Azaleas, Bay Trees and Miscellaneous Plants.

THE M. G. MADSON SEED COMPANY, Manitowish, Wis.—Descriptive Illustrated Catalogue of Garden, Flower and Farm Seeds, Plants, Bulbs, Roots, Ornamental and Flowering Shrubs, Fruit Trees, etc.

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Tuberous Begonias

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We also are large growers of

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the very finest Valley for particular florists, \$12.00 per 1000.

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FESTIVA MAXIMA, \$20.00 per 100; QUEEN VICTORIA, WHITTELEY, \$9.00 per 100; FLAGRANS (Late Rose), \$5.00 per 100. For 1000 rates and other varieties, write

GILBERT H. WILD, SARCOXIE, MO.

DAHLIA ROOTS

Strong field grown, all good cut flower varieties. Also KALMIAS and other native plants.

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Grand Rapids, Boston Market and Big Boston, 25c. per 100, \$1.00 per 1000.

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Mayflower and Lorillard, 50c. per 100.

R. VINCENT, Jr. & SONS CO., White Marsh, Md.

PLANT CULTURE

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2 Duane Street, New York

ARCHIAS SEED STORE, Sedalia, Mo. Illustrated Catalogue of Field, Flower, and Vegetable Seeds, Bulbs, Fruit Trees and Plants, Supplies, etc. This well-known house was established February 14, 1884, and the present is the 25th annual catalogue it has issued.

JOS. A. SCHINDLER & COMPANY, New Orleans, La. Catalogue of Vegetable, Grass and Flower Seeds, Bulbs, Floral Designs, Supplies, etc. Adapted for the Southern trade. The catalogue is profusely illustrated and furnishes a handy reference table for the sowing of vegetable seeds.

WALTER P. STOKES, Philadelphia, Pa. Catalogue of Standard Seeds of Vegetables and Flowers, Farm and Grass Seeds, Implements, etc. Beautifully illustrated with half-tone reproductions from photographs, containing a select list of novelties and specialties, among which are Stokes' Bonny Best Early Tomato, which, in color, provides a very attractive front cover design; the new Cabbage "Nokor," several new things in Radishes, Peas, etc.

OTTOLANDER & HOOFMAN, Boshkoop, Holland. Catalogue of Rhododendrons, Roses, Clematis, Boxwood, Peonies, Hardy Plants and Shrubs. It gives an interesting list of novelties in Roses, including among others Otto von Bismarck, a cross between Mme. Caroline Testout and La France, the color of the flowers being that of the latter variety; Veilchenblau (Violet blue), the flowers of which are "steel blue," appearing in large clusters. This is a climbing variety, strong growing, with glossy green foliage, having but few thorns; also, Crown Princess Cecilie, new hybrid tea of delicate silvery rose color; Friedrichsrub, a cross between Princess de Bearn and Francis Dubreuil, the flowers being dark blood red.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

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We can still furnish in strong undivided field-grown roots the following varieties of Dahlias. All of these are first-class sorts of their respective types and colors and strictly true to name.

Varieties specially suited for cut flower purposes are marked with an asterisk

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Table listing various Cactus Dahlias such as Albion, Aegea, Anous Perry, Attila, etc., with descriptions and prices.

Table listing various Dahlias such as Mrs. H. J. Jones, Chameleon, Duchess of Cambridge, etc., with descriptions and prices.

Table listing various Dahlias such as Bon Ton, Chameleon, Duchess of Cambridge, etc., with descriptions and prices.



Table listing various Dahlias such as Vesuvius, Victor von Scheffel, etc., with descriptions and prices.

DECORATIVE DAHLIAS

Table listing various Decorative Dahlias such as Admiral Dewey, Black Beauty, etc., with descriptions and prices.

SHOW AND FANCY DAHLIAS

Table listing various Show and Fancy Dahlias such as A. D. Lival, Arabella, etc., with descriptions and prices.

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This new type of Dahlias originated in Holland, and promises to become very popular. The artistic flowers are very large, from 6 to 8 inches across, and are best compared to the semi-double Paeonies in general form.

TWELVE CHOICE DOUBLE POMPON DAHLIAS

Alets Imperial, Creamy white, tipped analine red. Darkness, Deep velvety maroon. Elegante, Soft pink, tipped deep pink, reflex light pink.

NEW CENTURY SINGLE DAHLIAS

These magnificent single varieties all originated from the celebrated Twentieth Century offered in this set. They are all of free branching habit, flowering early, profusely and continuously throughout the season.

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Alla Superba, Fine large white, with a dash of canary yellow at base of petals. 15 cents each, \$1.25 per doz. Advancement, Fine deep ruby-red with rose halo and yellow center.

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Formerly THE HORTICULTURAL CO. BOSKOOP, HOLLAND Hardy Nursery Stock, such as H. P. Roses Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc. Ask for Catalogue.

The book of WATER GARDENING By Peter Blesol. Price, postpaid, \$2.50 A. T. DE LA MARE PTG. & PUB. CO., LTD. 2 to 8 Duane Street, New York.

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EVERYTHING WORTH PLANTING Roses a Specialty All kinds of Fruit Trees Ornamental Trees and Shrubs, Evergreens, Berries, Herbaceous Plants W. & T. SMITH COMPANY GENEVA, N. Y. 700 Acres

Boxwood Privet Barberry Thunbergii Hydrangea Tree, 4-6 ft. Spiraea Van Houttei Koster's Blue Spruce

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Immediate Delivery Send for Prices & List

American Beauty, Clothilde Soupert, Gloire de Dijon, Hermosa, Kaiserin A. Victoria, Killarney, Liberty, La France, Maman Cochet, Marechal Niel, Mrs. R. G. Scharman-Crawford, Marchioness of Londonderry, Souv. de la Malmaison, including all the leading varieties of Hybrid Perpetuals.

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AMERICAN NURSERY COMPANY We Can Supply Your Every Need. Write for Prices.

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Box Plants, Azaleas, Rhododendrons, Roses, Herbaceous Perennials In fact everything in hardy stock for GARDEN, LAWN & LANDSCAPE PLANTING General Catalog and Trade Lists on application THE NEW ENGLAND NURSERIES, Inc., BEDFORD, MASS.

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(H. arborescens sterilis). The largest stock in America of strong 1 and 2-year nursery grown plants of this best of all hardy flowering shrubs.

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JOHN CHARLTON & SONS, University Avenue Nurseries, Rochester, N. Y.

Rambler Rose "Newport Fairy"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices. JULIUS ROEHRS CO., Rutherford, N. J.

GRAFTED ROSES On best English Manetti Stocks From 2 1/2 in. pots, March delivery Perles, Maids, Bridesmaids, \$12.00 per 100; \$120.00 per 1000. PHILADELPHIA CUT FLOWER CO., 1517 SANSON STREET PHILADELPHIA, PA.

GOLD MEDAL "LONG BRANCH" SEEDLING CANNA A cross between Queen Charlotte and Italia, tough, leathery, green foliage. The flowers resemble a giant flowering Queen Charlotte in the Orchid-flowering class, being bright crimson with wide, irregular border of yellow. Exhibited at Jamestown, where we were awarded a Diploma and Gold Medal. Price 30c each, \$3.00 per doz., \$25.00 per 100.

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CANNAS Strong, dry bulbs. P. Marquand, Italia, Austria, Mme. Berat, Robusta, Pennsylvania, Grand Rouge, V. Hugo, \$2.50 per 100; a France, \$3.00 per 100. ESTATE OF DAVID FISHER, Woburn, Mass.

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CANNAS Fine stock, all good, 2 and 3 eye. 10,000 mixed Cannas, all green-leaved varieties, \$15.00 per 1000. J. E. Sambrook Co., - Berlin, N. Y.

CANNAS Two great gold medal cannas, King Humbert, 3c. Wm. Kastner, 5c.; Brandy wine, most magnificent bronze-leaved bedder, 3c. E. Anala, 24c. Crimson Peedler, a superb canna, 2c. Fine dormant roots. Cash. N. A. CORLIN, Elberon, N. J.

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P. OUWERKERK 216 Jane Street WEEHAWKEN HEIGHTS, N. J.

P. O. No. 1, Hoboken, N. J. Just Received From Our Holland Nurseries Rhododendrons, Azaleas, Spiraea Japonica, Liliun Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis and H. P. Roses in the best sorts. PRICES MODERATE

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American Grown—Superior to Imported We have unsold at the present time the following varieties—all field grown plants, grown in our nurseries at Rochester, N. Y.: Anne de Diesbach Prince Camille Erlach Brunner Chanson Rambler White Rambler Yellow Rambler Philadelphia Rambler Common Sweet Briar Mme. G. Lutzet Mrs. John Luling Paul Neyron Wchuriana (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request. ELLWANGER & BARRY Nurserymen—Horticulturists Mount Hope Nurseries, Rochester, N. Y.

CALIFORNIA PRIVET Strong one-year plants. 18 to 24 inches, branched, \$2.00 per 100; \$15.00 per 1000. 12 to 20 inches, strong, \$1.50 per 100; \$10.00 per 1000. Two-year all sold. ASPARAGUS BOOBS Palmetto, Conover's Colossal and Giant Argenteuil, extra strong, 2-year, 75c. per 100; \$4.00 per 1000. Strong 2-year, 75c. per 100; \$3.00 per 1000. All tied in 25s. Address, CHARLES BLACK, Hightstown, N. J.

LEESLEY BROTHERS NURSERIES A complete line of Nursery Stock. Shrubs a specialty. Nurseries, Peterson & North 40th Avenues Chicago, Ill.

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KOSTER & CO. Heliande Boskoop, Holland Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies, Pot Grown Plants for Forcing RHODODENDRONS, H. P. ROSES, Etc. Catalogue free on demand

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NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSERYMEN.

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

SHIPMENT OF NURSERY STOCK, ETC., TO CANADA.

Within the Province of Ontario all nursery stock, except greenhouse plants, herbaceous perennials, herbaceous plants, conifers, bulbs and tubers, must be fumigated before shipment. Shipments into Canada must be addressed so as to enter Canada at one of the named ports of entry, where the stock will be unpacked and fumigated by the authorities. The fumigation seasons for the various stations are as follows: Vancouver, B. C., October 1 to May 1; Winnipeg, Man., March 15 to May 15, and October 7 to December 7; Windsor, Ont., March 15 to May 15, and September 26 to December 7; Niagara Falls, Ont., March 15 to May 15, and September 26 to December 7; St. Johns, Que., March 15 to May 15, and September 26 to December 7; St. John, N. B., March 15 to May 15, and October 7 to December 7. (Regulations, 1905.) Dr. James Fletcher, Dominion Entomologist, Central Experiment Farm, Ottawa, Canada.—National Nurseryman.

In the October, 1907, issue of the National Nurseryman will be found a most useful compendium of all the State laws governing the inspection and shipment of nursery stock.

Uses of the Snowberry.

It has often occurred to me that the common snowberry, *Symphoricarpos vulgaris*, would make an excellent plant for growing in pots and for selling at Christmas time. When growing in the open ground its berries are in good condition for some time after freezings set in, and where they are partly sheltered and the cold not too severe Christmas Day finds them in good order still, so far as concerns the berries, though the leaves may have fallen. If the plants were in pots and under cover from freezings the leaves would still be in good shape at Christmas, and a plant of this red snowberry in good condition at that time would be as pretty an ornament as many of the pot plants with berries now so much valued at that season.

This is the time to pot the plants. Any good nursery could supply them. Thrifty young plants are the best, those of a bushy nature. When potting them cut them down pretty close to the ground if too small for flowering the first year, but if of a size that a fair display of flowers may be looked for, the young shoots of the previous season must not be cut down very much, as the flowers and berries come on them. Potted carefully in Spring and assuming they have a supply of roots, they will carry a good lot of young shoots, enough so that a good showing of berries may be looked for; but, of course, well-established plants are more satisfactory.

The proper time to prune these snowberries is just after flowering, but only a few of the shoots must be cut away, as a goodly number of them must be left to produce the berries. As the nature of the shrub is to grow bushy there is usually an abundance of shoots for both purposes.

What has been said of the red snowberry applies with equal force to the white berried one, *S. racemosus*. But this much must be considered: being white berried instead of red, as the other is, it might not be valued as highly for Christmas, for we know it is red berries that all persons seem to go for for that occasion.

It may be mentioned here that for holding ground liable to wash away, for planting in any place where a clump is wanted or in partial shade along the edge of woods and similar positions, the snowberries, especially the red one, are exceedingly useful shrubs.

Mahonia Aquifolium.

At this season nurserymen will be planting the Mahonia or Berberis aquifolium, the evergreen berry now finding favor with florists for Christmas uses. When collected plants are in question they rarely do well unless well pruned when planted, for this plant makes but few roots, and some are bound

to be lost in digging. When not allowed to dry when collected and then pruned when planted the greater number of them will live, and in the course of two years will make nice plants for selling.

This evergreen shrub is a native of Oregon and Washington, where it is called "Oregon grape." It is now such a well known shrub and can be propagated from seeds so readily, that instead of getting collected plants many of our nurserymen import them, obtaining transplanted seedlings, which save time in the getting of nice saddle stock.

Plants from Oregon and Washington are not over hardy, even in Pennsylvania, and this mahonia does much better when in a sheltered place than when in an exposed one. On the approach of Winter it takes on a crimson bronze appearance, mixed with its natural green of Summer, and this, with its prickly crimped leaves, is what creates the call for it on the part of those looking for Christmas greens.

In early Spring it is crowned with clusters of yellow flowers which are followed by berries, both of which add to the value of the shrub in a decorative sense.

Variety in Native Oaks.

Horticulturists who came here from foreign countries always express surprise and pleasure when they view the great number of species of oaks that are native to our soil. No other country has nearly the same number that we have, and those of our nurserymen familiar with the raising of seedlings say



Bush Honeysuckle in Prospect Park, Brooklyn, N. Y.

that as many more species or varieties than we have recognized could well be made of what we have, for in every bed of seedlings there are always some differing from the type, which are quite unlike any named sorts. It is particularly noticeable in the oaks of the Southwest. There seems ample room for an investigation of these oaks by a competent botanist, and a separating of kinds into distinct types. Many are certainly hybrids or distinct species.

An error made by many nurserymen is in keeping to the propagating of a few old sorts of oak, instead of adding to the list some of the beautiful kinds not so well known. There is the *Quercus falcata*, for instance. A more beautiful oak does not exist, and its acorns can be had easily. Take, too, the *imbricaria*, the *castanea*, the *Micliauxii*, *obtusiloba* and *algra*, and why not grow these as well as those common ones of our woods—the *tinctoria*, *coccinea rubra*, *macrocarpa* and *palustris*? Nurserymen say they have no call for any others than what they grow. This is, no doubt, true, it is further true that they never will have if they do not grow these others. The greater number of their customers do not know of the existence of these oaks, believing that the three or four they are offered are all there are.

It seems a shame that many of the most beautiful of our native oaks are unobtainable in nurseries, and this, too, in the face of the fact that the acorns could easily be had in their proper season.

Is Yucca Aloifolia Hardy?

A correspondent, A. L. Hodgson, living near Pearson, Md., near the salt water, where pomegranates, figs, crepe myrtles, and like partly tender things north live outdoors, asks if the *Yucca aloifolia* and *Y. Trenculeana* should prove hardy with him. It is very likely they would. They are quite hardy at Raleigh, N. C., and the Berkman's Company at Augusta, Ga., had them so with them. *Yucca aloifolia* has lived out at Germantown, Philadelphia, in this way, that killing to the ground it sprouted afresh from its roots.

The correspondent referred to asks further if any one knows what the tree yuccas are that are growing about Norfolk, Va. They must be, probably, *gloriosa* or *aloifolia*, and as these are easily told apart by those acquainted with yuccas it may be some reader of *The Florists' Exchange* may know which it is. *Aloifolia* has much narrower leaves than *gloriosa*.

There are three caulescent yuccas hardy at Philadelphia—*gloriosa*, *recurvifolia*, and *glauca* or *angustifolia*. The latter is not generally looked on as in this class, but it is, as an examination of an old plant will show. Its little branches may be a foot or more above the ground, though hidden by the tuft of leaves.

Bush Honeysuckles.

Bush honeysuckles comprise a number of shrubs long known in collections and always in demand where shrubs are planted. They are known as *Lonicera*s, and are true honeysuckles, but lack the climbing habit of those of a vine nature.

The individual flowers of these bushes are not large, but they are very numerous, and backed as they are by pretty green foliage a large bush of any kind makes an exceedingly pretty picture when in full flower in early Spring.

The beauty of these bush honeysuckles does not end with their flowering. Berries form immediately, some becoming red when ripe, others of a light yellow, at which period the bushes are uncommonly attractive.

These bush honeysuckles are often used for massing, and they are then an ornamental group, but by far the best appearance follows their use when set singly. The berries are more likely to form in this case, and so many of them are ranged along the shoots as to weight down the branches. The berries' color very early in Summer, and are in good condition quite late in Autumn.

For the sake of its flowers, the *Lonicera tatarica grandiflora* would be preferred by many; their color is a deep pink. This one is also good for its berry display, and Morrow is in great favor for this purpose.

Two of these honeysuckles, the *fragrantissima* and *Standishii*, occupy a position half way between the climbers and the shrubs. They are of less bushy growth than some, yet are not vines. Their chief value is in their very early pale pink sweet-scented flowers. These flowers often are open before Winter has fairly left us, when in a suitable situation near a dwelling.

A Few Good Pears.

Florists as well as nurserymen are often asked to set out a few pears or to recommend a few for customers who have but a small garden. A half dozen sorts are enough when but a dozen or so are required. For an early pear, ripening in August, the Clapp's Favorite is very good. It is a juicy pear, a good sized fruit and one of good color. It has the fault of rotting at the core if kept many weeks. The best way to treat it is to gather the fruit the first or second week in August, set it away in a drawer for a week or ten days, then use it at once. Bartlett follows, ripening in early September or later farther north. In addition to these two the following are all good, and they ripen about in succession as listed: Howell, Seckel, Sheldon, Vermont Beauty, Anjou, Kieffer and Lawrence. Kieffer is included because it is much liked by some and everyone knows it as a reliable bearer, a good keeper and one well suited for preserving; and many assert it is not troubled with San José scale to the extent other sorts are.

JOSEPH MEEHAN.

THE FLORISTS' EXCHANGE

L. L. May & Co.'s New Warehouse.

The accompanying picture illustrates the seed warehouse recently erected by L. L. May & Company, St. Paul, on Conger Avenue, of that city. This is not only one of the largest warehouses of its kind in the United States, but also the most modern and completely equipped. It is thoroughly fireproof, built entirely on the "re-inforced concrete" plan. The floor area is 50,000 square feet. The trackage facilities for loading and unloading cars are excellent, the seed being conducted from the car direct to the bins by means of chutes. In cleaning and sorting the seed, the machinery used is the most modern. The seed is elevated to the third floor and from there dropped into the mills (which run by electricity generated by the firm's own plant), where it is cleaned and sorted, a large fan forcing the dust out through the roof. The seed drops to the cellar where it is bagged and stored. The capacity of these mills is 500 bags a day.

Three packet making machines, whose capacity is 150,000 packets a day, and three packet filling machines with an equal capacity, are kept working continually; these are run by electricity and operated by girls.

The firm does much of its own printing, for which three large presses are constantly in use. Also, in connection with the packet trade the concern makes its own tin cases; for this there is a complete tin shop, employing from 20 to 30 tin-smiths.

The first floor is given to the filling of bulk orders in the wholesale seed department, and to the large catalogue department. The second floor is devoted exclusively to the filling of packet orders. Packets in cases and cartons are conveyed down a chute to the shipping room where they are loaded on cars for shipment.

The basement is used for the storing of seed for the wholesale trade; and there are installed the engines, dynamos and heating plant. This heating plant forces the steam to heat the firm's greenhouses (buildings covering a block and containing 75,000 square feet of glass) through tunnels under two streets. The boilers are equipped with "Murphy stokers" which give great satisfaction in doing away with the smoke nuisance, as well as in proving fuel savers of a good order.

This building was commenced in July and completed in December of last year. About a block distant from it are the greenhouses where are grown the flowers for the retail trade, and thirty men are kept busy at this all the year round. There are 25 houses and these are crowded with all manner of plants. Each house is equipped with an automatic clock that registers the amount of heat in the house and the temperature at all hours, thereby regulating the temperature

and insuring correctness. All growing is done along scientific lines and only experienced specialists in their several branches are employed. Thousands of small plants are shipped annually from here to all parts of the world, and the cut flowers are sent fresh every morning to the store at 64 E. Sixth street, where seeds are sold at retail as well as flowers. A most interesting feature is

here under cover, thus enabling this firm to get out its Spring deliveries early in the season. This depot is used for storing the nursery stock during the winter.

A mile and a half from Lakeland are the Mayfield nurseries and seed farms. These embrace about 300 acres under cultivation and are used to grow the nursery stock sold by this firm. The experimental grounds on these nurseries are very interesting. All new varieties of fruits, shrubbery, ornamental trees, etc., are thoroughly tested as to hardiness, proficiency, and general qualities before being propagated and offered for sale.

The warehouses and cellars here are used for the storing of fruit grafts, cuttings of ornamental trees and shrubbery, and small fruits for planting in the early Spring, as well as potatoes and roots.

Some idea as to the fertilizing required for the successful growing of nursery stock may be gleaned from the fact that 40 carloads of manure have been spread over these farms during the past winter. From 150 to 200 men are employed continually during the Spring and Summer, as constant cultivation is necessary to keep the land in first-class condition. A complete system of water works, pipes laid to all quarters of the nurseries, supplied by an 800 barrel tank, irrigates the grounds. Thus it is possible to have in blossom fields of hydrangeas and gladioli, acres of raspberry bushes bearing luscious fruit, red, white and black; apple trees and all kinds of fruit trees are tested by the rigorous Minnesota Winters, these nurseries being the farthest north of any in America.

The general offices from which this huge business is conducted are situated on the second floor of the retail store building at 64 E. Sixth street. All departments, as wholesale seed, grass seed, greenhouse, catalogue and nursery, are in charge of competent heads, and a landscape gardener is employed by the nursery department to furnish plans for the laying out of parks and private estates. In all, the office force employs from thirty to forty clerks.

A more comprehensive idea of the magnitude of this business can be obtained



L. L. May.

the store conservatory, a glass-covered area 60 feet square. It is filled with palms, ferns and all tropical plants and a large fountain in the midst adds its music to that of the Hariz Mountain canaries, giving a pleasant illusion of Spring as one steps into it, out of a Minnesota blizzard.

In addition to the large wholesale seed and catalogue business, the greenhouses and the retail store, L. L. May & Company have an extensive nursery business which is operated at Lakeland, Minn. Here there is a nursery warehouse covering 10,000 square feet of ground. It is thoroughly frostproof, has its own trackage and is so large that wagons may be driven inside to be unloaded. In fact, all the packing is done

from the fact that 1,000 persons are employed in all its several branches, including traveling men, clerks, nurserymen, growers, etc., and its buildings alone cover 250,000 square feet. It was founded 26 years ago by its present owner, L. L. May, and for the space of time this firm has been in existence, it has built up one of the largest businesses, combining horticulture, agriculture, and floriculture, in the United States, which speaks volumes for the fertility and resources of the North Star State. For a better understanding of the business methods of this firm, one should have a catalogue, 200,000 of which are issued annually and sent free of charge to anyone sending their name and address to L. L. May & Company, St. Paul, Minn.

GERANIUMS

S. A. Nutt, Beute Poitevine, Buchner, Ricard, Doyle, Viaud, Pasteur, Mme. Salleron, 2 in. pots, \$2.00 per 100; \$20.00 per 1000.

COLEUS

Golden Bedder, Crimson Verschaffeltii and fifteen other varieties, R. C., 60c. per 100; \$5.00 per 1000.

AGERATUM, Pauline and Gur-R. C. 2 in. pots, \$4.00 per 100.
 SALVIA Bonfire \$4.00
 DOUBLE PETUNIAS 1.00
 HELIOTROPES, dark 1.00 \$2.00
 FUCHSIAS, 16 varieties 1.00 2.00
 SWEET ALYSSUM, Giant Double 1.00 2.00
 VINCA, variegated 2.00
 FEVERFEW, double white 2.00
 ASPARAGUS plumosus nanus and Sprengeri, 3 in. pots, \$4.00 per 100.
 Cash with order.

ERNEST HARRIS, Delanson, N. Y.

FELTHOUSEN'S GERANIUMS

None better, if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$18.00 per 1000.

Beute Poitevine, S. A. Nutt, La Favorite, John Doyle, Richard Brett, Ricard, Bruant, General Grant, M. Canovas, Jean Viaud, Pasteur, Landy and several others.
 FUCHSIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.
 HELIOTROPE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$1.00 per 100.
 SALVIA BONFIRE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$2.00 per 100.
 COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.

ROSE GERANIUMS, 2 1/2 in. pots, \$20.00 per 1000.
 AGERATUM, Stella Gurney, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100. Cash With order.

J. E. FELTHOUSEN, Schenectady, N. Y.

GERANIUMS

Transplants, pot grown. We send all the roots, but little soil.
 Doyle, Dbl. Grant, Buchner, \$14.00 per 1000.
 Ricard, Poitevine, Perkins, Viaud, Blanc, Castellane, \$16.00 per 1000. Plenty of Nutt.
 COLEUS Fancy, many finest bright, and true G. Bedder, strong, clean, \$5.00 per 100.
 Verschaffeltii, \$5.00 per 1000. Giants, many kinds, most brilliant colorings, \$1.00 per 100. Colour plants one-third more, Sage, Fireball, \$1.00 per 100. Gladioli fine Hybrids, 9c. per 100. Cash.
 DANIEL K. HERR, - - Lancaster, Pa.

GERANIUMS

Rooted Cuttings, Ricard, Poitevine, Castellane, Jaulin, Doyle, \$12.00 per 1000.
 Buchner, Montmoril, Grant, double, \$10.00 per 1000.
 Cash with order.

PETER BROWN, LANCASTER, PA.

GERANIUMS

ROOTED CUTTINGS

All engaged until early in March, will have a big lot then; send for list and place your order if wanted at that date.

ALBERT M. HERR, Lancaster Pa.

GERANIUMS

S. A. NUTT, from 2 1/2 in. pots, \$2.00 per 100 good plants.

L. O. PETERSEN, Round Lake, Saratoga Co., N. Y.

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, \$2.50
 A. T. DELAMARE PTG. & PUB. CO., LTD



New Warehouse of L. L. May & Co., St. Paul, Minn.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

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Pittsburg.

The Week's News. The high rivers the past week do hurt trade to some extent and did the usual damage to places in the low district. W. L. Beckert's store on the north side had water on the floor of the store room, but everything was moved to the upper floors, so the damage is not so great.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 2 1/2 c., 1 1/4 in. 3 1/2 c., 1 1/2 in. 4 1/2 c., 2 in. 5 1/2 c., 2 1/2 in. 10 c., 3 in. 14 c., 4 in. 19 c., per ft. New 1 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy to work, No. 1 cuts 1 1/2 in. \$3.00; No. 2 cuts 1 1/4-1 1/2-2 ins \$4.00; Armstrong Adjustable No. 2 cuts 1/4-1 in. \$4.00; No. 3 cuts 1/4-1 1/2-2 ins. \$6.50. Second-hand Armstrong, No. 3 \$5.00; No. 2 \$3.00.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, new, round boiler, heating 900 sq. ft. of glass, \$40.00, 1 No. 530 Richardson, five section water boiler, grate 30 by 28, heat about 5000 sq. ft. of glass, used one season, \$125.00. 1 American Radiator Ideal, eight section water boiler, grate 67 by 49, heat about 15,000 sq. ft. of glass, price \$225.00. 1 Pierce Butler and Pierce Sterling Round Sectional boiler, grate 20 inches, heat about 1800 sq. ft. of glass, price \$50.00. The above boilers are guaranteed to be in good condition. We have other sizes and makes; write for prices.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35. STILLSON WRENCHES Guaranteed, 14 in. 18 in. grips 2 in. \$1.05; 24 in. grips 2 1/2 in. \$2.10; 36 in. grips 3 1/2 in. \$4.20. Chain wrench grips, 6 in. \$3.75. PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$3.50. GARDEN HOSE 50 ft lengths 3/4 in. guaranteed, 8 1/2 c.; for heavy work, guaranteed, 12 1/2 c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 6 in. 6 ft. 8 in.; glazed complete \$1.60 up. Second-hand sash glazed, \$1.25, good condition. GLASS "In lots of 10 boxes," New American, 50 ft. to the box 10x12 single at \$1.80 per box 10x12, 12x12, B double, \$2.30 per box 12x11 to 12x20 and 14x11 to 14x20, 16x16 and 16x18, B double, \$2.50 per box 16x20 to 16x24, 12x24, B double, \$2.65 per box.

PECKY CYPRESS \$25.00 per 1000. We can furnish everything in new material to erect any size house. Get our prices

METROPOLITAN MATERIAL CO. Greenhouse Wreckers

FOR SALE 8000 ENCHANTRESS from soil strong healthy plants shifted twice. These cuttings were all selected for my own use but have decided to put in A. L. THORNE, FLUSHING, L. I.

The secretary of the Florists' Mail Association drifted with the storm on Wednesday last into the editorial sanctum and announced that he had just adjusted the first loss of the season, that of the Pioneer Cut Flower Company, Springfield, Mo.

TOMATO SEED BAGS Colored Vegetable. LARGE STOCK ALL VARIETIES Rush orders shipped day received. HIRNDON, EESLER & IVEY CO. RICHMOND, VA.

Nickolas All, a well-known pottery manufacturer of the South Side, died last week, aged 81 years. He was a member of the firm of Foell & All, who made most of the flower pots used in our vicinity many years ago in the first and only pottery of any consequence. He retired about 16 years ago and his son Louis carried on the business for a few years but has since abandoned it.

Dan, Maillie, the North Side market florist, is a candidate for the State Legislature, and being a good politician on the right side will have no difficulty in being elected.

Breitenstein & Flamm expect to move from their present place in Spring; their store, corner of Liberty and Market streets, has been a florist's stand for over twenty years. Another old stand has disappeared, that of L. I. Neff, on Sixth street, formerly Elliott's old place. E. C. REINEMAN.

Dayton, O. The Florists' Club at its recent meeting adopted the following resolutions on the death of J. B. Heiss: "There is a Reaper whose name is Death. And with his sickle keen He reaps the bearded grains at a breath. And the flowers that grow between."

The passing of Joseph B. Heiss brought sorrow to all who knew him. His personal qualities were such as made him loved by all who knew him for what he was. His long residence in Dayton was devoted to the doing of his part in the building up of the city. Realizing in a measure what a great loss his sudden taking away means to the community, we desire to offer our tribute of respect. The poor words at our command are inadequate to express our sorrow. Let the following resolutions, adopted at a recent meeting of the Florists' Club, serve as they may to show our love and respect: Be It Resolved, That in the death of Joseph Heiss, our first president, the Dayton Florists' Club loses a faithful member, a strong friend. We mourn his loss deeply. None knew him but to value his friendship and all can scarcely realize that he will meet with us no more on earth. His place in our hearts is sure. Be it further, Resolved, That these expressions be made a part of our records. Also, that a copy be sent to Mrs. Heiss, whose sorrow is our own.

H. H. Ritter, Secretary, J. G. Bartholomew, Chairman, John Boehner.

GERANIUMS Heteranthe, General Grant, Nutt, strong plants from 2 1/2 in. pots, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings of same \$1.50 per 100; \$12.00 per 1000. Hill, Poitevine, Favorite, 2 1/2 in. pots, \$2.75 per 100; \$24.00 per 1000. Rooted Cuttings of same, \$1.75 per 100; \$12.00 per 1000. Achyrantes, Red and yellow, R. C. 75c. per 100. Cash please.

NEW "MY MARYLAND" ROSE

Best up-to-date commercial rose. Read what others have to say about it:

THE GARDENERS AND FLORISTS' CLUB OF BOSTON

A Report of Merit is Hereby Awarded to JOHN COOK, For Vase New H. T. Rose No. 294, since named "My Maryland."

Description and points of particular merit: This new Rose has a pleasing shade of Salmon-Pink, with other essential characteristics of a good commercial Rose fully proven. Much may be expected of it.

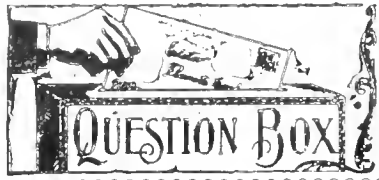
The Committee believes this Variety will be especially valuable in the light pink class of Winter blooming roses.

Given by the Gardeners and Florists' Club of Boston, this 17th day of December, 1907.

Signed.

Price 2 and 2 1/2 in. pots, \$25.00 per 100; \$200.00 per 1000; 3 in. pots, \$5.00 per dozen.

JOHN COOK, 318 N. Charles Street, BALTIMORE, MD.



QUESTION BOX

Leaf for Name. A READER.

New York. —Ficus pandurata.

(36) Crates for Shipping Cut Gladiolus.—Can you tell me the best way to make crates for shipping cut gladiolus spikes? I want to ship a quantity next season. E. T. B. Indiana.

—Will some reader kindly oblige?

(37) Marguerite Carnations as Cut Flowers.—Is the Marguerite carnation good for cut flowers grown out of doors, and if so, can good varieties be perpetuated by cuttings? L. L. C. New York.

—The Marguerite carnation is very pretty for garden purposes, but for cut flowers it cannot be compared with American carnations, so what would be the use of cultivating the Marguerite for that purpose?

(38) Cuttings of Begonia Vernon Rotting.—Can you inform me as to the cause of Begonia Vernon cuttings rotting in the cutting bench; only about 10 per cent. of them root. C. F. D. New York.

—The most likely cause of the begonia cuttings damping off in the sand is from their being kept too wet. After the first watering, when the cuttings are placed, great care should be taken that the foliage is not wetted too often. With enough bottom heat to dry out the sand daily, and avoiding watering late in the afternoon so that the foliage will not be wet over night, there should be no trouble in rooting these begonias.

(39) Trouble with Gardenias.—What is the cause of gardenia leaf tips turning yellow, withering and dying off? New York. N. P.

—There are so many causes for gardenias turning yellow and otherwise behaving badly that it is impossible for us to tell the cause of the trouble in the present instance without knowing more details as to the treatment the plants have been under. We may say, in a general way, however, that being planted in too deep soil, having poor drainage, being over-watered a few times, temperature going too low at night or an attack of red spider will, any of them, cause the foliage to turn yellow and check the progress of the plants.

(40) Browallia, Swainsona and Cyperus. Is Browallia speciosa major an annual or a perennial? I find catalogues at variance in regard to this. I wish to plant seeds of this plant if it is a perennial; otherwise not.

I think I have read that seeds of swainsona are slow to germinate. About how long do they take to sprout? Would soaking in warm or hot water hasten the process?

Is fresh seed of Cyperus alternifolius slow to germinate? What length of time does it require? How long does it take to fill a 2 1/2 or 3-inch pot with roots? Fla. A. J. B.

—The browallias are half-hardy annuals. Sown in Summer they make nice flowering plants for the following Winter.

Seeds of swainsona are rather slow to germinate, but soaking them in warm water twenty-four hours will aid germination materially.

A. N. PIERSON, CROMWELL, CONN.

GRAFTED ROSES

NOVELTIES

Mrs. Jardine, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100. Irena Reid, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100. Maryland, 50c. each, \$5.00 per doz., \$35.00 per 100. Queen Beatrice, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100. Mrs. Potter Palmer, \$3.00 per doz., \$17.50 per 100, \$125.00 per 1,000. New Rambler "NEWPORT FAIRY," For delivery Spring 1908. Well rooted plants in 2 1/2 inch pots \$1.00 each, \$9.00 per dozen, \$50.00 per 100.

STANDARD VARIETIES

Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marshal Niel, Mme. Abel Chateau, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesley, White Cochet.

GRAFTED, 2 1/2 inch pots, 20c. each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1,000.

AMERICAN BEAUTY

Own root, 2 1/2 inch pots \$8.00 per 100, \$75.00 per 1,000. 3 inch pots \$12.00 per 100, \$100.00 per 1,000. April, May and June delivery.

OWN ROOT ROSES

We offer the following list of roses on their own roots. Our method of handling this stock gives us as fine plants from 2 1/2 inch pots as are usually sold for 3-inch. This stock is from 2 1/2 inch pots, repotted from 2-inch.

Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chateau, Aurora, \$1.00 per dozen, \$6.00 per 100, \$50.00 per 1,000.

The following from 2 inch pots are now ready for shipment.

Kaiserin, Golden Gate, Ivory, Bride, Killarney, Bridesmaid, Richmond, Chateau, \$2.50 per 100, \$30.00 per 1,000. Send for price list on larger sizes and grafted stock.

PLEASE NOTE.—Four varieties may be used in making up one dozen. When more than four varieties are used the plants, or cuttings, will be charged at single rate. Four varieties may be used in making up one hundred. When more than four varieties are used the plants, or cuttings, will be charged at the dozen rate. Five varieties may be used in making up 250, and 250 will be sold at the 1,000 rate. When more than five varieties are used in making up 250, the plants, or cuttings, will be charged at the 100 rate.

A. N. PIERSON, CROMWELL, CONN.

CLEARY'S HORTICULTURAL CO.

AMBROSE T. CLEARY, Management. WHOLESALE, JOBBING, CONTRACTING, AUCTION, HORTICULTURAL PRODUCTS

62 Vesey Street, New York. Telephone, 7313 Cortlandt. Correspondence Solicited. Surplus Stock Converted.

Cyperus alternifolius is so easily increased by division that growing it from seed is rarely resorted to. We have never tried to grow it from seed, so cannot tell just how slow it is in germinating. If one has a few old plants, 2 1/2 or 3-inch pot stock could be had in a few weeks by dividing the old roots to single crowns, potting them and placing them where a good bottom heat is maintained. This would bring far quicker results than can be accomplished by raising them from seed.

COLEUS

Verschaffeltii. Standard Crimson. Golden Queen. Standard Yellow. Fire Brand. Bright Maroon. Lord Palmerston. Dark Maroon. Queen Victoria. Cardinal Red, with distinct golden border. Beckwith's Gem. Center Velvety Maroon, bordered with red, the edge green, changing to creamy yellow at point of leaf.

Prices of Rooted Cuttings by express, 60 cents per 100, \$5.00 per 1000. Out of 2 1/2 inch pots in May, \$2.00 per 100; \$15.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.

Golden Bedder. Golden Yellow—the old original, true to name. Hero. Dark Maroon, nearly black. Messy. Dwarf, Pearl White and Silver Green.

Pearl of Orange. A combination of Red and Gold. 75c. per 100, \$6.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.

Fancy Varieties. A very fine assortment of twelve kinds not listed above: 75c. per 100, \$6.00 per 1,000. 250, in assortment, our selection, at the 1000 rate.

MISCELLANEOUS PLANTS

AGERATUM. Stella Gurney. Dwarf blue, 75c. per 100, \$6.00 per 1,000. Princess Pauline. A combination of blue and white in same flower, 75c. per 100, \$6.00 per 1,000.

ALTERNANTHERA. Red and Yellow. Rooted Cuttings, 50c. per 100, \$5.00 per 1,000. From 2 1/2 inch pots, \$2.00 per 100.

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From flats, \$10.00 per 1000.

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1/4 MILLION CANNAS

GOOD TUBERS 2 TO 3 EYES! True to Name

ORDER NOW FOR DELIVERY ANY TIME

Red and Crimson Cannas

Louisiana, 7 ft. high, Doz. 100 1000 10c. each \$1.00 \$10.00 A. Bouvier, 5 ft. 35 2.25 \$20.00 Beante Poitevine, 3 1/2 ft. 35 2.25 20.00 Chas. Henderson, 4 ft. 30 2.00 17.50 Crimson Bedder, 3 ft. 35 2.25 20.00 Duke of Marlborough, 4 1/2 ft. 35 2.75 25.00 J. B. Eisele, 5 ft. 35 2.25 20.00 Explorateur Crampel, 5 1/2 ft. 30 2.00 17.50 Express, 2 to 2 1/2 ft. 60 4.50 40.00 Flamingo, 4 1/2 ft. 30 2.00 17.50

Pink Cannas

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Orange Scarlet Cannas

Pres. Cleveland, 4 ft. 35 2.25 20.00

Red, Gold-Edged Cannas

Indiana, 3 to 4 ft. high, 15c. each 1.50 10.00 Mme. Crozy, 5 1/2 ft. 40 2.75 25.00 Souv. de A. Crozy, 4 ft. 40 2.75 25.00 Premier, 2 1/2 ft. 35 2.25 20.00

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Buttercup, 3 1/2 ft. 75 4.25 40.00 Comte de Bouchard, 4 1/2 ft. 35 2.25 20.00 Florence Vaughan, 5 ft. 50 2.75 25.00 L. E. Bailey, 4 1/2 ft. 30 2.00 17.50

Bronze-Leaved Cannas

Brandywine, 4 to 5 ft. 35 3.50 25.00 Black Beauty, 5 ft. 50 2.75 25.00 David Harum, 3 1/2 ft. 50 3.25 30.00 Egandale, 4 ft. 50 2.75 25.00 Leonard Vaughan, 4 1/2 ft. 50 2.75 25.00 Musafolia, 8 ft. 35 2.25 20.00 Robusta, 6 to 8 ft. 30 1.75 15.00 Shenandoah, 6 ft. 35 2.25 18.00 Stadtrath Heidenreich, 4 1/2 ft. 20c. each 2.00 15.00

Orchid Cannas

Allemania, 4 to 5 ft. 35 2.25 20.00 Austria, 5 ft. 30 1.75 15.00 Italia, 4 1/2 ft. 35 2.25 20.00 King Humbert, 4 ft. 1.25 10.00 80.00 Kronus, 5 ft. 35 2.25 20.00 Mrs. Kate Gray, 6 ft. 35 2.25 20.00 Pennsylvania, 5 ft. 50 2.75 25.00

All above Cannas packed 250 in a case. Full case at 1000 rate; 25 at 100 rate.

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Bulbs measuring 6 to 8 in. Doz. 100 1000 in circum 25 1.50 10.00 Bulbs measuring 8 to 10 in. in circum 50 3.50 30.00 Bulbs measuring 10 to 12 in. in circum 75 5.50 50.00 Bulbs measuring 12 to 13 in. in circum 1.00 8.00 75.00 Monster Bulbs measuring 12 in. and upward in circum. \$1.50 per doz.; \$12.00 per 100.

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Uncommon Winter-Blooming Plants.

It is sometimes necessary for the florist and gardener to enter to a class of people who desire something out of the ordinary run of commercial plants, and the following notes may be of some benefit to all such:

DAEDALACANTHUS NERVOSUS, when well grown, is quite an attractive plant for the warm greenhouse; the flowers, although not large, are borne profusely, and are of a beautiful soft blue color, and at this season of the year there is very little of this color. It belongs to the order Acanthaceae, and although most of the genera of this order are somewhat difficult to cultivate the subject under consideration is very easy to handle. It should be propagated annually from soft cuttings in Spring, and given good soil, plenty of sunshine and water; it makes quite a good-sized plant by the end of the year. We grow quite a large batch of this annually, and it is always admired; it starts to flower about the first of the year and continues in bloom for a month or so.

REINWARDIA TRIGYNA is a shrubby plant of considerable merit for conservatory decoration. The flowers, which are of a fine yellow color, are produced about Christmas and the plant continues to bloom until well into the New Year. The greatest difficulty in the culture of this plant is the obtaining of the cuttings. Some of the plants should be cut back. The young shoots which result make the best stock for propagating; ripened shoots do not make good cuttings, as they do not branch enough, and will usually flower prematurely. This plant when in flower is rather fugacious, but if grown in a temperature of 45 to 50 degrees the flowers will be found to last much longer. It belongs to the Linnæan order, although when in flower I have often seen people admiring it and mistaking it for an anemone; and at first sight it does resemble some of the evening primroses.

CENTROFOGON LUCYANA.—Where odd plants are required, to make the greenhouses interesting, this is indeed a good subject. It belongs to the Campanula order, and is easily cultivated. It should be propagated annually, and grown on in ordinary good soil. The flowers, which are borne in panicles at the points of the shoots and along the shoot at the axil of each leaf, are both curious and showy, the color being a bright rose. It can without any difficulty be in perfect flower for Christmas, if grown in a temperature of about 60 degrees.

PLUMBAGO ROSEA COCCINEA is an old plant and well deserves more general cultivation. The flowers are of a beautiful rose color, and when the plants are well grown are produced on long racemes three to four feet in length. It is easily propagated from cuttings. After flowering the plants should be slightly cut back, frequently syringed, and the young shoots which break away will root easily. The plants may also be carried over for two or three years if properly taken care of. By propagating at different times a longer season of flowering may be had; young plants rooted late last Summer are now in full bloom, the racemes on the young plants being, of course, smaller than the older plants, yet none the less valuable from the brilliant color of the flowers. It delights in a good free soil and plenty of moisture, and a temperature of about 60 degrees. To any one requiring a showy plant for the greenhouse I can recommend this as a most valuable subject. We have had it in flower here since early in November, and it is not past yet. Where a general collection of plants are grown, this plumbago interspersed through them liven the collection wonderfully.

THRYSACTHUS SCHOMBURGIANUS is an old favorite but seldom seen nowadays, yet its merits are of some value. It is of the easiest culture and should be propagated annually, as the old plants get leggy and unsightly. This plant has a peculiar habit of flowering, the inflorescence being a long pendulous graceful spray. The flowers are red, and tubular in shape. It is well suited for a hanging plant, and is best grown in pots, but should be hung up when the sprays begin to develop. Under good cultivation these sprays will attain a length of from three to four feet. The plant starts to flower about February, and continues in bloom until April. Although grown usually as a stove plant in England, it requires no special treatment, and thrives well in a temperature of 55 to 60 degrees. W. H. WAITE.

DREER'S Reliable FLOWER SEEDS

SWEET PEAS For cutting. The kinds which find the readiest sale are those like the following, which have bright, clear, dented colors. For complete list see our current Wholesale Catalogue.

Orchid-Flowered Varieties

This type has very large waxy flowers, usually four blossoms on long, stiff stems, and are as easy to grow as the standard sorts.

Countess Spencer (true), a lovely clear pink	Oz	1 lb.	1 lb.
Frank Dolby, largest pale lavender	.50	1.75	
Gladys Unwin, pale rose-pink, fine	.10	.20	.50
John Ingman, rich salmon rose	.10	.20	.50
Mrs. Alfred Watkins, superb pale pink	.50	1.75	
Nora Unwin, a magnificent pure white	.50	1.75	
Phyllis Unwin, light rose-carmine, very large	.10	.30	1.00
Orchid-flowered Mixed, many varieties	.10	.30	1.00

Standard Varieties

Blanche Ferry, the popular pink and white	.05	.10	.20
Blanche Ferry, Extra Early; flowers 10 days earlier	.05	.10	.25
Countess of Radnor, delicate lavender	.05	.10	.20
Dorothy Eckford, the best standard pure white	.05	.10	.25
Earliest of All, a very early flowering form of Blanche Ferry	.05	.10	.35
Emily Henderson, a free and early pure white	.05	.10	.20
Flora Norton, a clear sky blue	.05	.10	.25
Hon. Mrs. E. Kenyon, primrose yellow	.05	.10	.25
Janet Scott, a large bright pink	.05	.10	.25
King Edward VII, rich crimson scarlet	.05	.10	.35
Lady Grisel Hamilton, large pale lavender	.05	.10	.25
Lovely, beautiful shell-pink	.05	.10	.25
Miss Willmott, bright orange pink	.05	.10	.25
Mont Blanc, the earliest pure white	.05	.10	.30
Mrs. Walter Wright, deep mauve, fine	.05	.10	.35
Prima Donna, a fine deep pink	.05	.10	.25
Prince of Wales, rich deep rose	.05	.10	.30

HENRY A. DREER, 714 Chestnut St., Philadelphia



Type of Orchid-Flowered Sweet Peas

Large Specimen Kentias

Suitable for Conservatory or Hotel Decoration

Kentia Belmoreana
Kentia Forsteriana

10 ft. high, 8 ft. spread, 10 perfect leaves, 16 in. tub
10 ft. high, 9 ft. spread, 9 perfect leaves, 18 in. tub
12 ft. high, 8 ft. spread, 9 perfect leaves, 15 in. tub
made up 12 ft. high, 8 ft. spread, 10 perfect leaves, 18 in. tub
made up 12 ft. high, 8 ft. spread, 10 leaves, half perfect
single stem, 12 ft. high, 8 ft. spread, 9 leaves, half perfect
single stem, 11 ft. high, 8 ft. spread, 8 leaves, half perfect

The first four mentioned are perfect plants

Greenhouses **David Clarke's Sons, 2139-41 Broadway, New York**
FORDHAM HEIGHTS

FRINGED Double Petunias

Per 100	Per 1000
Rooted cuttings by mail	\$1.25
ABUTILON Savitzki, R. C.	1.50
VINCA variegated, R. C.	1.00
ABUTILON, R. C. six varieties, French dwarf	1.50
GAZANIA Splendens, R. C.	1.50
HELIOTROPE, dark, from soil	1.00
ASPARAGUS, Sprengeri, 3 in., very strong	5.00
PETUNIA, Grandiflora, single in var. R. C.	1.25
SALVIA, tall and dwarf	1.00
SEROTIANTHES Dyerianus, R. C.	1.25
GERANIUMS, Mme. Salleron, R. C.	1.50
AGERATUM, White and Blue	.75

Cash with order, please.

GEO. J. HUGHES, BERLIN, N. J.

ROOTED CUTTINGS Prepaid per 100. **Heliotrope**, blue; **German Ivy**, 75c. **Al ternanthera** best red and yellow, 50c. **Fuchsia** five finest kinds; **Giant Marguerite Daisy**, yellow; **Double Alyssum**, \$1.00. **Ageratum**, Gurney and Pauline. **Colonia**, best bedders; **Verbena**, best colors, 80c. **Salvia**, Bonifera and Splendens, 50c. **Bargain**, to move at once; **Primula Obconica Grandiflora** mixed and **Baby Primrose**, 2 in. Will make fine stock for Easter if handled at once. \$1.75 per 100; 300 or more, \$1.50 per 100. Cash.

Shippensburg Floral Co., Shippensburg, Pa.

VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$5.00 per 100. Cash with order.

Wm. J. CHINNICK, Trenton, N. J.

60 CHOICE VARIETIES OF VERBENAS

PERFECTLY HEALTHY—NO RUST. Rooted Cuttings, our selection, 75c. per 100; \$6.00 per 1000. Plants, our selection, 2 1/4-inch pots, \$2.50 per 100; \$20.00 per 1000.

ROOTED CARNATION CUTTINGS—CLEAN and HEALTHY

WHITE VARIETIES		RED VARIETIES		
	100	1000	100	
White Perfection	\$6.00	\$50.00	\$3.00	
White Enchantress	6.00	50.00	3.00	
Lady Bountiful	3.00	25.00	2.50	
My Maryland	3.00	25.00	2.00	
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Queen Louise	2.00	17.50	2.00	
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Enchantress	3.00	25.00	Golden Beauty	2.00
Mrs. Thomas Lawson	2.00	17.50	Buttercup	2.50
Dorothy	1.50	12.50	Eldorado	2.00
Mrs. E. A. Nelson	1.50	12.00	VARIEGATED VARIETIES	
William Scott	1.50	12.00	Jessica	3.00
Mrs. Francis Joost	1.50	12.00	Mrs. M. A. Patten	2.50
			Judge Hinsdale	2.00

60,000 GRAFTED ROSES for FORCING—The Finest Grown
Orders booked for delivery in April, May and June.

Chatenay, Killarney, Richmond, Liberty, La France, rose pots, \$15.00 per 100; 3 1/2-inch pots, \$18.00 per 100.
Brides, Bridesmaids, Golden Gates, Kaiserin, rose pots, \$10.00 per 100; 3 1/2-inch pots, \$13.00 per 100.
Own Root Roses, 1-inch pots, \$9.00 and \$7.00 per 100.

Send for Price List.

J. L. DILLON, Bloomsburg, Pa.

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uous advertising. For rates on Wants, etc., see column
for Classified Advertisements.

THE NATIONAL FLOWER SHOW, under the auspices
of the S. A. F. O. H., will be held at Chicago, No-
vember 9 to 15, 1908. William F. Kasting, Buffalo,
N. Y., is chairman of the show committee.

An endeavor is making to secure a special premium
to be known as the "Guarantors' Sweepstake Prize" to
be awarded to the exhibitor receiving the largest num-
ber of points, which will be reckoned somewhat as fol-
lows: Cup, vase or other trophy, 10 points; gold medal,
10 points; silver medal, 5; bronze medal, 3; first-class
certificate, 2; award of merit, 1; money prize for each
dollar one-tenth of a point. Each guarantor is asked to
subscribe toward this premium from \$1 up, and not more
than \$10. Those interested should address W. A.
Manda, South Orange, N. J.

PUBLICATIONS RECEIVED.

LANDSCAPE GARDENING FOR AMATEURS.—By P. B.
Wagner. Published by the Wagner Park Conservatories,
Sidney, O. Paper. Price \$1.

This is a very useful book. It is 8x10 inches, well
printed, and contains 64 pages of beautiful illustrations
and the necessary information for laying out home
grounds in an attractive and artistic way. It also treats
on the laying out and planting of school and college
grounds, factory, sanitarium and hotel surroundings.
The publication will be found an excellent guide and
book of reference to those interested in beautiful home
grounds.

The same firm also publishes one hundred detailed
plans of lawns and gardens with planting keys—a most
serviceable and instructive pamphlet.

TO AMEND SHERMAN LAW.—Mr. Hughes (Dem., of
New Jersey), on February 17, introduced in Congress
the following proposed amendment to the Sherman anti-
trust law: "This act shall not be construed to apply
to any arrangements, agreements or combinations be-
tween laborers made with the view of lessening the
number of hours of labor, or increasing their wages; nor
to any arrangements, agreements or combinations among
persons engaged in horticulture or agriculture made with
the view of enhancing the price of agricultural or horti-
cultural products."

The Alleged Settlement of the Hydrangea Question.

In its issue of February 15, 1908, our Boston contem-
porary publishes a communication from Professor C. S.
Sargent of the Arnold Arboretum in which that learned
gentleman states that the variety *sterilis* of *Hydrangea*
arborescens, described by Torrey and Gray in their
Flora of North America, is "not the plant which has
been cultivated and described by Mr. Hill, for his plant
is a form of *Hydrangea arborescens* var. *cordata*, with
neutral flowers an inch across and broadly ovate and
acute sepals." He also states that Alfred Rehder, in a
German publication, "has proposed the name of *Hy-*
drangea arborescens f. *grandiflora*, *forma nova*, for
Mr. Hill's plant and this is the name by which it should
be known." The following explanation is given as au-
thority for the adoption of the Rehder designation: "As
Mr. Hill, in using two varietal names for the same plant,
did not follow the recognized rules of botanical nomen-
clature, Mr. Rehder, who next described the plant, being
at liberty to select either of the two varietal names pre-
viously applied to it, very properly took *grandiflora* as
being the more descriptive of the two."

It will be observed that Professor Sargent does not
enter very fully into the description of Mr. Hill's *hydra-*

it should be known," by determining whether or not the
plant is *nova*, either to botany or commerce. This can
be done most satisfactorily and conclusively when the
plants are in flower next Summer.

In the meantime we would respectfully refer the "ex-
registrar" and Mr. Hill to the report of the Nomencla-
ture Committee in the 1891 proceedings of the S. A. F.
particularly to pages 86 and 92.

The letter of the learned gentleman to which we have
referred demonstrates most clearly to our mind the
limitations of the practical florist when he tackles the
(to him) practically unfamiliar question of botanical
nomenclature; it also proves conclusively the incom-
petence of the S. A. F. O. H. and its official charged
with the registration matters of the organization to
correct the practical florist when he ignores recognized
botanical nomenclature usage. The professor's letter
also strengthens our contention that all questions of this
kind should first be submitted to competent authorities
to be passed upon before the S. A. F. O. H. records
something which neither its registration official nor the
average plantsman knows very much about. Or, better
still, that, as we have previously suggested, the matter
of all plant registration in this country, be placed in
the hands of the Bureau of Plant Industry at Wash-
ington, D. C.

Furthermore, Professor Sargent's communication fully
corroborates the assertion of our Boston contemporary
that there are "dangers" in "a little learning"—something
that has been evidenced very decidedly in this endeavor
to give a botanical name to this hydrangea by one of the
introducers who clearly went beyond his depth, the
"registrar" being also helpless to assist him. The "hind-
sight" critics will have done the society, its registrar, and
the trade generally an excellent service, if their criti-
cisms do nothing more than remove the "dangers" of
the plant nomenclature conditions that have existed too
long for the general good. Our Boston friend has cer-
tainly no grounds either for his congratulatory or trium-
phant vindication hurrah, as nothing definite, justifying
this registration, has yet been established, and we very
much doubt if it ever will be.

BOOKS RECEIVED.

FLOWER GROUPING IN ENGLISH, SCOTCH AND IRISH
GARDENS.—Notes and 56 sketches in color by Marg-
aret Waterfield. Publishers, J. M. Dent & Company,
London, England; and E. P. Dutton & Company, New
York. Price 86 net.

In this interesting and charmingly written book, in
the descriptive portion of which the authoress has been
assisted by several well-known old country writers on
garden subjects, Miss Waterfield has depicted the flora
of Great Britain and Ireland as arranged in some of the
most prominent private and public gardens, with an eye
to pictorial effect. She informs her readers that the
subjects illustrated have all conveyed to her some lesson
of beauty and usefulness, and "as the pictures are of
results achieved in one part or other of the British Isles,
I hope they may be useful to other gardeners and stimu-
late the planting of still more beautiful effects." The
flowers have been treated not as single specimens, but
in relation to their setting of house or wall, lawn or
woodland, or as a foreground to the landscape, planned
for the beauty of the whole effect.

Some of the subjects discussed are: "Notes on a
Sheltered Garden" in Ireland; "Some Characteristics of
Scotch Gardens;" "The Annual in Scotland," by that
well-known author, R. P. Brotherton; "Cornish Gar-
dens," by S. Wyndham Fitzherbert; followed by chap-
ters on "Early Spring Bulbs," "Spring Blossoms,"
such as the almond, peach, magnolia and cherry;
"Summer Flowers," "Creepers," "Water Gardens,"
"Wild Garden Notes," etc. The illustrations are all in
color, are beautifully executed, and constitute an attrac-
tive feature of the volume. They depict scenes in gar-
dens that, some of them at least, are well known to
men now resident in this country whose early gardening
days were spent among the surroundings pictured.

As regards flower gardening in Scotland, F. Graham
Stirling, who contributes an interesting article on the
subject, says "the present is a transition period, and
in Scotland things have not yet righted themselves. But,
on the whole, the old order is changing very rapidly.
Greater taste is evident in the substitution of delicate
color groups, in place of the vivid ribbon border. Roses
are more used, either by themselves or grouped with
herbaceous plants. Borders, which once contained only
calceolarias and lobelias set out in stiff lines, have been
revolutionized by planting a background of white and
pink sweet peas, and dividing the space into alternate
divisions of China roses and free growing carnations.
Sometimes plants of distinct colors are grouped to show
each other off; and sometimes a whole border is given
up to one color. The following tribute is paid by Mr.
Stirling to the Scottish gardener:

"No article on national gardens would be complete
without a tribute to the shrewd intelligence and skill
of the Scotch gardener, whose worth is acknowledged
all over the world, and that not only in the present day,
but from the earliest History of Horticulture."

A delightful chapter on "Cornish Gardens" is fur-
nished by Mr. Fitzherbert. Cornwall must, indeed, be



Hydrangea arborescens var. *sterilis*
(Hills of Snow)

Under the name "Hills of Snow" the plant from
which this flower truss was taken, was purchased from
a catalogue offer. The photograph was made in June,
1901.

He does not state that the plant in question is a new
one; although Mr. Rehder, in his description, adds the
term, *forma nova*. It would be interesting to know
whether Mr. Rehder speaks from his own knowledge of
the variety, or simply has accepted the Hill registration
as guaranteeing newness (which registration with the
S. A. F. O. H. implies) and has merely put Mr. Hill
right in the matter of correct botanical nomenclature.

It is quite evident from information in our possession
that the hydrangea in question has been known for many
years, although it may not have been in general garden
cultivation, yet it has been cultivated in gardens,
under one or more local designations. Mr. Hill him-
self has stated that the plant he has registered as *H.*
arborescens alba *grandiflora* was growing for "years and
years under the very noses" of J. W. McNary and E. Y.
Teas. It does, therefore, seem strange that this "hand-
some sterile form of *Hydrangea arborescens*," as Pro-
fessor Sargent designates it, being in evidence for all
these years, should have escaped the attention of botan-
ists and botanical writers in this country and elsewhere,
and should have, for so long, gone without recognition,
identification or previous description. These are some
of the matters connected with this discussion which we
should like to see cleared up satisfactorily.

We have no desire to question the learned profes-
sor's botanical diagnosis, but we do question the right of
the S. A. F. O. H. to register the name given the *hy-*
drangea by Mr. Hill until after the society has fully es-
tablished, through its own botanical authority, the use of
that name, or the one Mr. Rehder has given the plant,
which Professor Sargent submits "is the name by which

the most favored garden spot in all the British Isles, judging from the large number of rare and tender shrubs and climbers that grow in the gardens of that country in the open air, and the majority of which are to be seen elsewhere in England only under glass protection. Plants native of South Africa, Australia, New Zealand, the Pacific Islands, Burmah, the Himalayas, Chili and other South American countries may be seen in Cornwall growing in the open in the best of health.

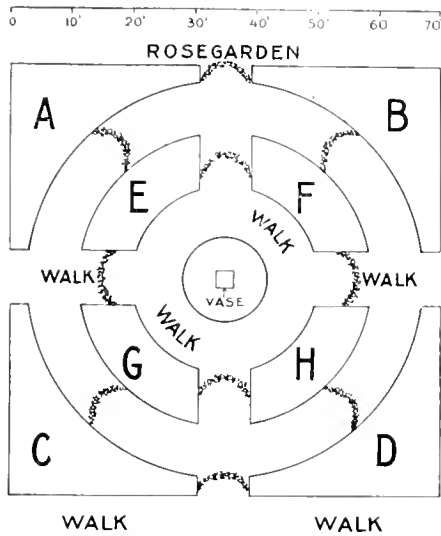
While the conditions that confront the American gardener are different from those of his English brother, yet many valuable suggestions as to planting, etc., may be gleaned by gardeners in this country from the text of the volume before us, which is admirably printed and illustrated.

Plan for a Rose Garden.

Editor Florists' Exchange:

A. E. Wohlert should erect arbors connecting the rose beds as indicated on the accompanying plan.

Arbors are best made from 4-inch pipe. In order to do this it is not necessary to use right and left threads; only make an extra long thread on one end of the pipe, and turn up as far as it will go; then back thread into the other fitting. Ordinary poultry netting placed over an arbor of this construction and painted green makes a neat and substantial arbor.



Leave pipe enough to go 1 foot 6 inches into the ground and place a little concrete around them.

Plant bed A with Frau Karl Druschki edged with Baby Rambler; bed B with Mrs. John Laing edged with Baby Rambler; bed C with Magna Charta edged with Baby Rambler; bed D, with Ulrich Brunner edged with Baby Rambler; bed E with Grass an Teplitz; bed F with Pink Maman Cochet; Bed G with Killarney; bed H with White Maman Cochet. The vase, I think, had better be dispensed with in the center bed and a plant of Crimson Rambler trained to a stake 10 feet high, the rest of the bed planted with Baby Rambler.

Cover arbors 1 and 5 and 3 and 7 with Crimson Rambler; 2, 6, 4 and 8 with Dorothy Perkins; 9, 10, 11 and 12 with Lady Gay. By having grass paths great care would have to be taken to admit enough light at the top of the arbors. Instead of a hedge a fence 8 feet high covered with Rambler roses would make a very effective show. However, the surroundings would have to be taken into consideration, as many an otherwise beautiful landscape scene could be spoiled with such a glare of formal work.

DAVID MACFARLANE.

Tarrytown, N. Y.

Editor Florists' Exchange:

In answer to A. E. Wohlert's inquiry as to how to plant his rose garden, I would suggest the following:

A. B. C. D. I would plant in hybrid remontants using not less than eight plants of one variety, planting them 2 to 2½ feet apart. This would take about 100 plants or twelve times eight, 12 varieties to a bed. A few standards could be evenly divided over those four beds, say, a dozen for each, making 48 for the entire garden.

As a border for those four main beds I would use the Midget rose (Rosa multiflora nana), which is so easily raised from seed and blooms the first year.

E. F. G. H. I would arrange as sunken beds; that is, have them one foot below grade of grass walk, and would plant them with hybrid teas, either one or two varieties to each bed, but not more, in

order to get the mass effect of one color. The vase I suppose to be on a pedestal of which I would have somewhat elevated, and the central small bed at its base I would plant with polyantha roses.

I would arrange a grass walk around the whole of the garden as indicated on the dotted boundary lines. Along these boundary lines I would have a neat looking wire fence, the posts 8 to 10 feet apart and five wires eight inches apart, and the panels between every two posts I would plant with climbing roses in as many varieties as there are panels. Over each of the four entrances I would build an arch to be grown over by a vigorous climber.

On the outside of the whole garden, if space is available, I would arrange border plantings in irregular outlines for which I would use the rugosas, sweetbriars, Wichuriana and wild roses. As to varieties, climatic conditions must be considered, but there is enough hardy rose material available to make a success of such a small garden as far north as anything in the way of hardy shrubs can be grown, not even excluding hybrid teas.

Minneapolis, Minn. THEODORE WIRTH.

Editor Florists' Exchange:

Subjoined I give a list of roses such as I consider would make a good arrangement and look well for the rose garden plan shown in your issue of February 1, 1907: JOHN L. CHAPMAN, Mass.

Center Bed—Grass an Teplitz with border of Clothilde Soupert.

Bed G and F—Center line Maman Cochet, white; line either side, Maman Cochet, pink; Mme. Jules Grobez, Pink Rambler, Amy Muller.

Bed E and H—Center line Viscountess Folkestone; line either side, Killarney, Souv. du President Carnot; Mme. Caroline Testout.

Bed A and D—Center of bed Frau Karl Druschki; around that Kaiserin Augusta Victoria; edging of Richmond and Liberty.

Bed C—Whole bed, Dorothy Perkins.

Bed B—Whole bed, Crimson Rambler.

Hill on the Hydrangea Matter.

Editor Florists' Exchange:

We hope that our objecting friends, including the Editor, may now resume their ways untroubled by the problems involved in securing a correct and scientific nomenclature in the family of hydrangeas. Now that Professor Sargent has kindly settled once for all this specially vexing question—and we return him our sincere thanks—the allies may take comfort in the fact that "alba" has been dropped (and you could hear the dull thud when it fell), and *forma nova* has been added (you could plainly hear the click when the coupling was made). "Forma nova," new form, that is a clincher; this simply emphasizes the fact that Hydrangea arb. grandiflora is unquestionably a new form; there can no longer be doubts on this point.

This brings pointedly to mind the old saying that someone "rush in where angels fear to tread"; not that the

demonstrator of Hydrangea arb. grandiflora was in any angle less than an angel, and he hopes to get there some day, now that the form and perpetuity and difference in coloring clearly have been proved.

Hydrangea arborea, grandiflora, forma nova.

Gather together, all ye friends of the Formosa tribe, and come over and smoke the "forma nova" pipe of peace with me.

Yours truly,

E. G. HILL.

American Rose Society.

In addition to what are already published the following prizes have been sent in for the exhibition in March: Kroschell Brothers Company, Chicago, \$10 in gold for the best vase of Killarney rose, 50 blooms or less; and \$10 in gold for largest exhibit of hybrid perpetual roses in pots.

Vaughan's Seed Store, Chicago, cup value \$25; will announce later what for.

Weiland & Olinger, Chicago, \$10 for 50 Mme. Abel Chateau.

H. N. Bruns, Chicago, \$10; premium left to society.

Poehlmann Brothers Company, \$100 cash; for best 100 pink roses, \$50, and best 50 red roses, \$50 (American Beauty and Richmond excluded).

Frederick C. Nowbald, Esq., Ex-President of the American Rose Society, offers a cash prize of \$10 for the best display of white roses.

Emil Buettner, Park Ridge, Ill., cash prize \$25.

We have this from the Chicago Florists' Club: "Be assured that you will find our Chicago boys will be on hand in good style for the rose show, but we want you to make an effort earnestly and vigorously to get pledges of attendance and exhibits from every leading grower east of the Allegheny Mountains. Chicago will take care of the rest. Now, men of the East, do you hear the call? What shall the answer be?"

All intending exhibitors are requested to send word to the secretary.

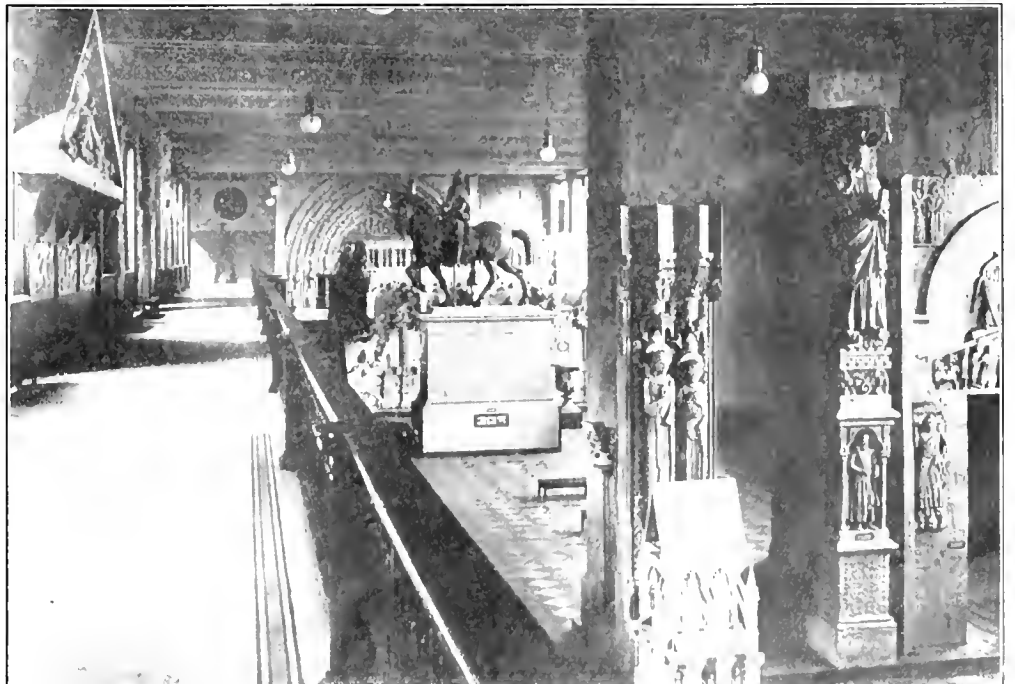
The "Rose Journal" proposition has met with a favorable reception.

Monday afternoon, February 10, 1908, the Chicago Florists' Club's committee of arrangements for the rose show met with Secretary Carpenter at the Art Institute and concluded arrangements for the use of Blackstone Hall in that building, for the show opening 5 p. m., March 26, and continuing through the 26th and 27th, day and evening, with the privilege of making such admission charge as will probably meet requirements for the local expenses, giving free admission, however, to the members of the Chicago Horticultural Society and Chicago Florists' Club. There were present Messrs. Poehlmann, Kill, Asmus, Burdett, Vaughan and Waters.

This Art Institute, with its large and high class membership, its convenient location, and the general public interest in matters there, insure the best possible arrangements that could be made for the show.

BENJAMIN HAMMOND.

Fishkill-on-Hudson, N. Y.



Partial View of Blackstone Hall, Art Institute, where exhibition of American Rose Society will be held.

Home-Made Concrete Benches.

At the establishment of Frank Garland, Des Plaines, Ill., the staff uses what spare time is available in the construction of concrete benches in the different houses. The illustration herewith shows the style of construction of the bench, and represents a portion of a new bench being at the present time installed to replace a wooden one. The bench is built on the portable principle. Sides, bottoms, cross-pieces and legs are all made separately from different molds, and any number of them may be made in advance. The bottom sections are hollow, with the edges tapered sufficiently to give good drainage. A bottom section is seen in the picture at the left of the bench.

The mixture employed in the making of the different sections, with the exception of the legs, is one part of cement to four of gravel and sand. For the legs a mixture of one part of cement to six or even eight of gravel and sand is employed. The side, bottom and cross-sections are all re-inforced with steel rods. The different molds are used on a work bench, the concrete being rammed into them, and the steel rods laid in their positions during ramming.

This construction provides a bench which may be moved at any time, in whole or part, as all sections are laid butt to butt, there being no cementing substance used other than a little mastic on the outside of the side pieces to give the appearance of solidity, and this joint is easily broken when required.

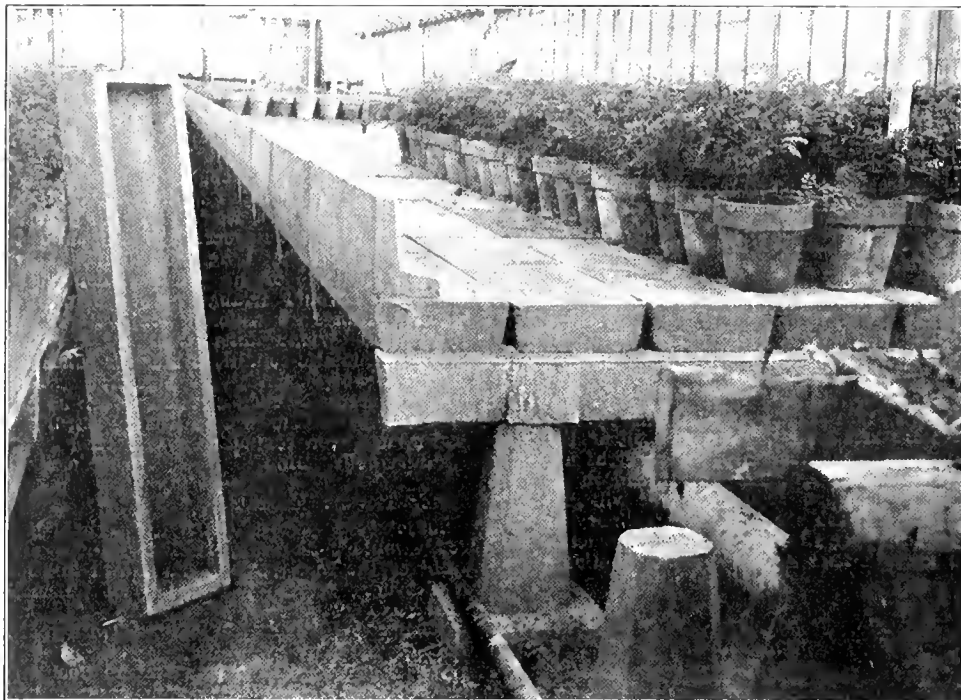
One large house at the Garland establishment has been provided with these benches for two years, and they have given every satisfaction. Mr. Garland figures their cost as being in the neighborhood of 6 cents per foot. J. H. P.

Max Rudolph's Plant.

Our illustrations show the greenhouse establishment of Max Rudolph, College Hill, O. This place contains about 25,000 square feet of glass devoted to cut flower growing exclusively. Carnations here are very prosperous, especially Aristocrat; Mr. Rudolph is very much in love with this carnation. Enchantress comes next; then Lady Bountiful. He also grows Mrs. T. W. Lawson, which is doing nicely, and Helen Goddard, which latter he will discard. The rose house contains Bride, Bridesmaid, Golden Gate and Killarney, off crop now, but of good growth.

Mr. Rudolph deserves much credit for his successful management of this place. E. G. G.

JAPAN'S SUPPLY OF BAMBOO DECREASES.—Consul General Henry B. Miller of Yokohama quotes a published statement that the supply of bamboo in Japan is gradually decreasing, as bamboo groves have been attacked by a certain disease which causes them to decay. The Kobe Bamboo Guild has addressed a memorial to the Minister for Agriculture and Commerce, asking that measures be taken for the encouragement of the cultivation of bamboo.



Movable Concrete Bench, at F. Garland's Desplaines, Ill.

Facts About Conifers.

John Dunbar, assistant superintendent of public parks in Rochester, N. Y., addressed the Massachusetts Horticultural Society, Saturday, February 15. His subject was "Hardy Conifers for Private Estates," and he said in the course of his remarks:

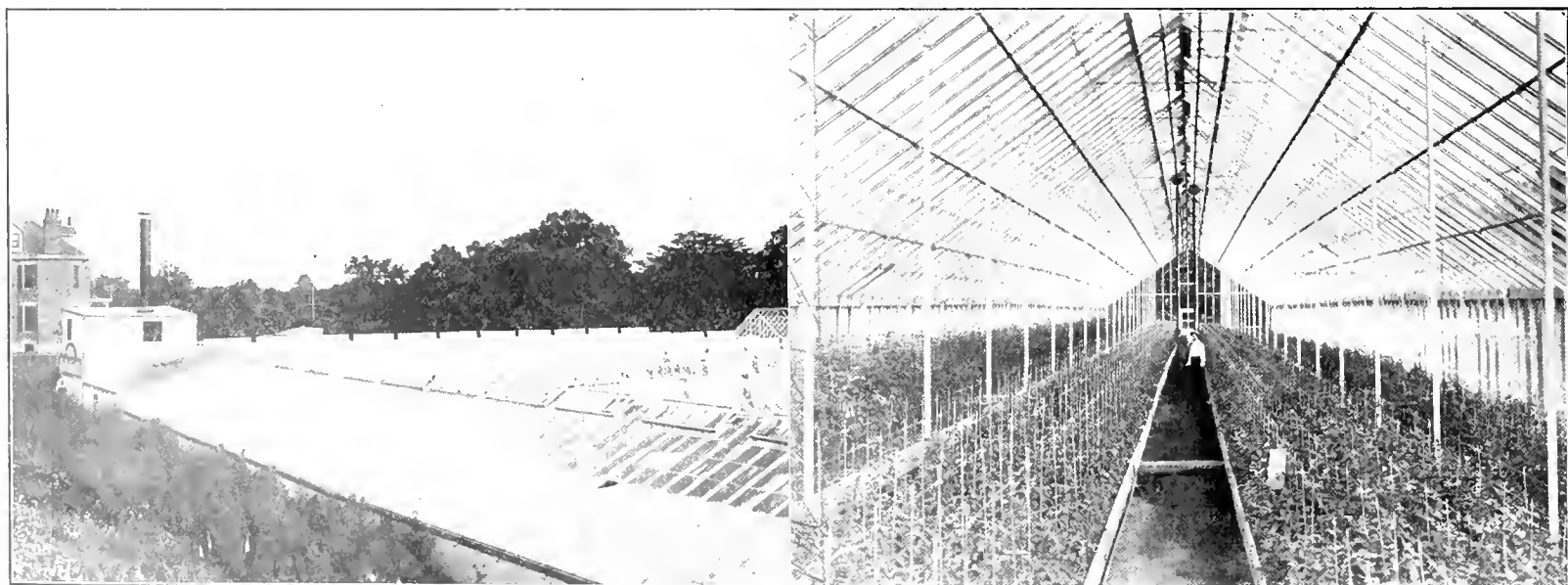
"The Winter of 1903-4 was the severest test that conifers have been subjected to in many years in this country. A few conifers we were experimenting with were killed outright, and quite a few were severely injured. We were therefore able to form important deductions about the hardihood of a number of species.

"Some species of conifers are liable to attack from different insect pests. During the past two or three years, the Arbor vitae has been infested by a small caterpillar which bores in the tips of the young twigs, and turns them yellow and rusty and soon gives the whole tree a sickly appearance. It is said to be a serious pest in some parts of Canada. Dr. James Fletcher, entomologist of the Experimental Farms in Canada, gives a brief account of it in the annual report of the Experimental Farms for 1906. Dr. Fletcher states that large numbers of parasites are found active in connection with the insect and there is every reason to believe the outbreak will soon come to an end. I have seen its ravages in natural Arbor vitae plantations in western New York.

I do not know to what extent it prevails in this country, as the account in the Canadian report is the first published description I have seen of it. From the nature of its operations it can be seen that it is difficult to deal with by any spraying methods.

"The mite known to gardeners as red spider is a very serious pest on some spruces and junipers in many parts of this country. It is always worst in a dry season. It can be readily controlled where there is a strong pressure of water under command applied with a hose, but that is rarely available. Water applied with a hose from a powerful spray pump will dislodge it. John E. Johnston, superintendent of Paul Dana's estate in Long Island, who is an expert cultivator of conifers, has lately been using sulphur to destroy it on spruces and junipers. He blows it on with a bellows in the morning when the dew is on the branches, followed at intervals throughout the summer with occasional strong hose sprayings of water. Mr. Johnston tells me that the experiments which he has conducted for a short time appear to be effective and satisfactory.

"The white pine weevil causes serious injury in many parts of the country. It sometimes attacks spruces and other pines, but not to any serious extent. The beetle lays its eggs in the month of May, on the shoots of the previous year. During the month of June and first part of July the larvae feed on the inner bark, and the shoots



Establishment of Max Rudolph, College Hill, O. Outside and Inside Views.

turn yellowish and brownish and soon die down to the base of infestation. If the infested terminals are cut off as soon as detected in June and July and burned, the broods of the weevils will be destroyed. Professor A. D. Hopkins, entomologist of the United States Department of Agriculture, states that this, though, may destroy large numbers of valuable parasites. He recommends placing those infested shoots in a tight barrel securely covered with wire fly-screen netting, so that the parasites may escape, while the beetles perish. By the first of October the weevils will be dead, and the netting may then be removed, but the barrel and its contents should be left until the following June, to allow the escape of the later developing parasites."

The speaker then gave brief general descriptions of what he considers the best and hardiest conifers for the north and northeastern States. He took up the pines first. The section which includes the white pines, or those with five leaves in a sheath, is perhaps the most ornamental, he said. He paid special attention to the handsome and desirable white pine, the Swiss stone, the Korean white, the mountain, Macedonian, Japanese white, Lambert's, Bhotan, the pitch, the lace bark, the yellow, Jeffrey's red, Swiss mountain, the Jack, Thunberg's, Japanese red, the Corsican and Scotch.

Larches came next in order, and Mr. Dunbar described the European larch, the Japanese, the native larch or tamarack, which, he said, is not as much planted as it should be, as it is distinct and very picturesque.

Spruces, he said, are of great ornamental value, but the Norway spruce he declared he had little respect for. The hemlock spruce was said to be among the most beautiful of conifers. The late Josiah Hoopes, who wrote an admirable treatise on conifers, said if he were restricted to the choice of only one evergreen, he would take a fine specimen of the hemlock spruce.

The firs, the speaker said, hold an important place in ornamental planting, and there are few trees that convey such conceptions of nobility and majesty. The Japanese umbrella pine with its prim conical habit is an interesting conifer and perfectly hardy. "I remember," said Mr. Dunbar, "that we grew these in pots in England, and I was much surprised when I saw them for the first time in this country looking well and happy in zero weather."

The address concluded with descriptions of native, Western, Chinese and Japanese *Arbor vitae*; cedars, junipers and yews. The Japanese ginkgo, a deciduous conifer, has shown, he said in closing, a great hardihood in the northeastern States and grows to a large size and attains mature beauty. Its usefulness as a street tree has been shown in Washington.

Carnation Splendor.

The accompanying illustrations show a house of this new carnation, which was so favorably commented upon by specialists at the recent meeting of the American Carnation Society, held at Washington, D. C.; also individual flowers of the variety showing the calyx and form. This carnation is being introduced by Stevenson Brothers, Govanstown, Baltimore, Md., who describe it as follows: "Splendor is a seedling from Mrs. Thos. W. Lawson; in color, a beautiful shade of soft pink, very distinct, lighter than that of Mrs. Thomas W. Lawson, but darker than the color of Winsor. The flowers are finely formed and borne on long, stiff, graceful stems, the size averaging from 3¼ to 3½ inches, with strong calyx. The plants are very prolific and early and produce continuously, being absolutely healthy. Unlike many of the pink varieties, the strong sunshine of Spring and Summer does not fade out the blooms, which hold their true color until it is time to throw out the plants. It has given us an abundance of flowers for four seasons daily, every shoot producing a bloom; no grass whatever.

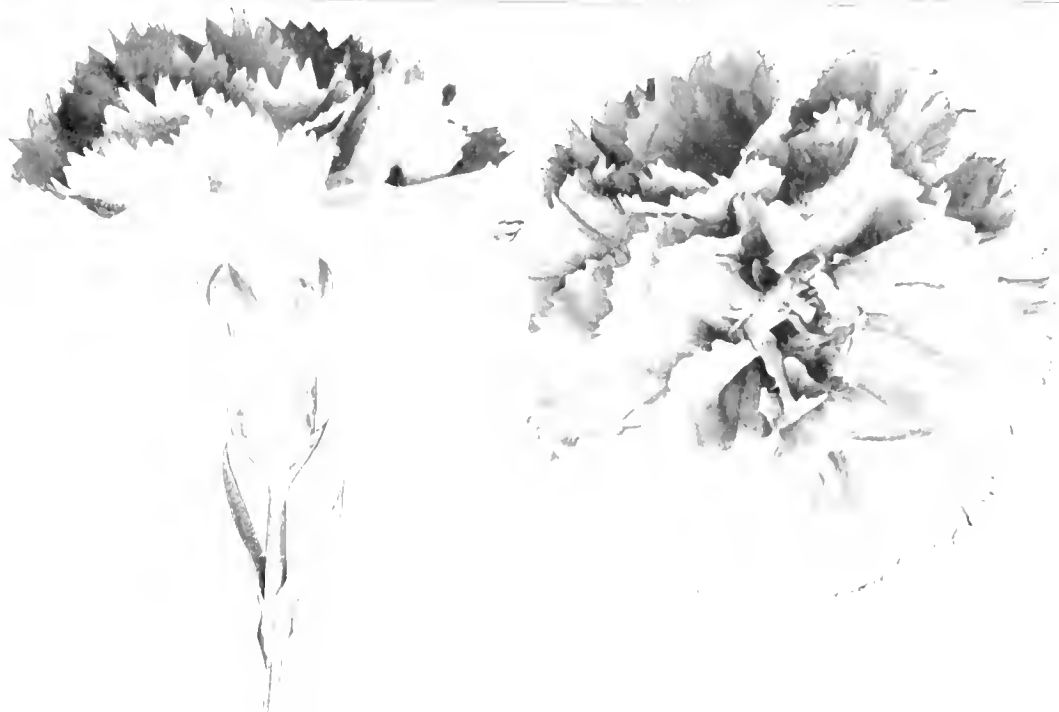
"Splendor thrives in a moderately stiff soil and requires plenty of water, even in Midwinter. A temperature of 50 to 54 degrees seems about right for this variety. It is a remarkably easy grower. We have never cleaned a plant after being benched since we have grown it."

Our London Letter.

BY A. HEMSLEY.

NEPHROLEPIS AMERPOHLE.—At the last meeting of the Royal Horticultural Society (January 28th) an award of merit was given for this lovely variety, which was much admired by all visitors. It was shown by Messrs. H. B. May & Sons, Edmonton. When visiting their nurseries a few days ago I found they had a nice batch of plants grown in suspenders from the roof, and the plants were making beautiful fronds. I also noted that all the other plumose varieties were doing well. Whitmani and elegantissima are favorites. I found that davallias and platyceriums were receiving special attention. Some fine varieties of *Davallia litiensis* were very attractive, also the recently imported *D. braziliensis*.

CHRYSANTHEMUMS.—I thought I had said the last word about chrysanthemums for the season, but while



Carnation Splendor, Showing Calyx, Form, and Average Size of Flower.

Courtesy Stevenson Bros., Govanstown, Md.

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writing my notes (January 31) I receive a box of beautiful blooms from Norman Davis, Framfield, Sussex. The varieties are Madame Rivol, of splendid color and a good size for market. Framfield Pink is a bright, cheerful color, and W. J. Crossley the finest crimson I have seen. Mr. Davis writes me that plants of this variety will produce from 12 to 15 good blooms on single stems, and Madame Rivol is equally free. In addition to the large specimen blooms for which Mr. Davis is so well known, he grows a good many of the more bushy plants

which produce good medium sized flowers for market, and he will be cutting blooms of best quality for at least another month.

In the market we are still getting good blooms. Of varieties noted Mrs. J. Thompson and the pale yellow variety are good, also Madame T. Panckouke, Princess Victoria, Madame Charvet, and a few others. Those who have really good flowers are receiving higher prices.

LILIUMS.—The auction sale held at Messrs. Protheroe & Morris's rooms on January 22 was well attended. Over 5,000 cases of liliams were catalogued. The cases all run about the same size and the size of the bulbs may be estimated by the number in each case. The largest bulbs made by far the highest proportionate prices. Auratum went up to 38 shillings per case of 50 bulbs, while those with 90 bulbs made only 20 shillings and some were sold at less; 200 went for 14 shillings. The variety rubro vittatum made 65 shillings per case of 100 bulbs. Longiflorum all went at moderate prices, the highest noted being 21 shillings for 10 very fine bulbs; 150 at from 14 to 18 shillings. Spectosum (ancionium) rubrum went at low prices; 10 shillings was the highest reached for 50 enormous bulbs and 11 shillings for 60. Lots of 100 made 12 shillings.

Album were more in demand; very fine bulbs of this made 30 shillings for 60; 28 shillings for 90 and 26 to 30 shillings for cases containing 120 bulbs. The variety with yellow anthers brought a keen competition. Mel-pomene did not start well, but prices went up higher later on; yet cases of 200 bulbs only reached 20 shillings. The ordinary tigrinum went very cheap, but Fortunei and Fortunei giganteum made better prices, yet the highest reached was only 20 shillings for 112 bulbs.

Some palm seeds were sold; Cocos Weddeliana went readily at 14 shillings per 1000; Kentia Belmoreana started at 12 shillings per 1000, but later cases containing 6000 seeds went for 36 shillings. K. Fosteriana made the same price. Large quantities of Asparagus plumosus seed were offered; the highest price reached was 2 shillings and sixpence per 1000; and 3 shillings per 1000 was the top price for seeds of *Lapageria rosea superba*. Gladiolus bulbs brought low prices.

W. HARRISON, recently of the firm of Cragg, Harrison & Cragg and previously manager for the late T. Rochford (now T. Rochford & Sons, Ltd.), started for America on February 5. After reaching New York, where he will remain for a short time, he intends to go farther up country with a view to settle. Mr. Harrison has three sons in the United States, and after paying a visit there himself he came to the conclusion that there were greater opportunities than in the old country for making headway. He is well known among a large circle of horticulturists. He went with T. Rochford when he first started the Turnford Hall nurseries, and remained until the place had attained to enormous proportions. A man of great energy, of wide experience, and always ready to impart his knowledge or be of assistance to others, much regret is felt at losing such a popular member of the profession, and all wish him success in his new sphere.



Bench of Carnation Splendor.

Growers, Stevenson Bros., Govanstown, Md.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYBES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIETH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLOREST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Indianapolis, Ind.

BEETERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers, expert workmanship.

Kansas City, Mo.

SAMUEL MUEBAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of reasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of reasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYEE, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

EASTER ANNOUNCEMENT CARDS

We have a large stock, and will issue in ample time for the Easter season, different designs in Easter Announcements of Card, and specially for those who sell Easter cards and flowers. These Announcements are simple but effective, and very inexpensive. For a set of sample cards, etc., apply to—

DE LA MARE P & P. CO., P. O. Box 1697, NEW YORK

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

An Elaborate Dinner Decoration.

A large dinner given in one of the newer hotels last week was perhaps one of the most sumptuous affairs of the season. Several rooms were engaged for the occasion, and the work of the florist was everywhere visible. The long hall leading to the different rooms was converted into an arbor; the walls on either side were covered by a wooden lattice, an arch of the same material reaching from wall to wall. This was covered lightly with wild smilax so that the white lattice showed through, long sprays of smilax being allowed to hang from the roof of the arbor at varying distances. Rustic seats were placed here and there, and groups of lilacs filled in the corners and spaces between the seats, making a garden-like scene which was further carried out by the addition of a fountain placed at one end of the arbor, in a bower of pink roses. This effect was obtained with long heavy branches of wild smilax with quantities of full blown Killarney roses skilfully attached, to give the idea of a rambling rose-bush in full flower.

In the room for the reception of the ladies, garlands of Asparagus plumosus were suspended around the walls in graceful festoons; these garlands were made heavy in the center, tapering toward either end, the ends being caught up near the ceiling and tied with a large bow of pink ribbon.

The mirrors and mantels were decorated with growing plants of Japanese flowering almond, which has become quite popular in this market. Tall standard plants were grouped at either end of the mantel and the low bush plants filled in the intervening space. The plants were taken out of the pots and the balls of earth hidden with sheets of green moss.

The fireplaces were banked with Nephrolepis hostoniensis. Over the entrance to the banquet hall two large cornucopias made of basket work and gilded were suspended by sashes of yellow ribbon. These receptacles were filled with long-stemmed Killarney roses which fell out in showers almost to the floor on either side of the entrance, forming a beautiful arch of pink roses with the cornucopias at the apex. Groups of palms brightened up with clusters of pink roses filled in the corners of the room.

The banquet hall was the feature of the decoration. Around the four sides of the room a pergola had been erected; this was partially covered with Southern smilax. Tables were placed beneath the pergola in continuous formation, the guests being seated on the inside of a hollow square.

In the center of the room was a raised fountain, the basin being about three feet from the floor, and banked with tuffa rock. Surrounding this was a bed of Azalea mollis in varying shades from pale yellow to deep orange; following this was a ribbon bed of Narcissus Golden Spur, the effect being completed by another planting of white tulips. A carpet of artificial grass filled in the space between the tables and the central arrangement. The tables were decorated with strings of smilax, with quantities of violets scattered over the cloth.

Corsage bouquets of single violets and buttonholes of lily of the valley gave an appropriate finish to an elaborate decoration.

A Casket Pall.

A splendid casket pall attracted attention at a recent funeral; it was a loose pall, or blanket, of

violets, with a wide fringe of lily of the valley and a full length cross of white violets, slightly raised. No fern or asparagus was employed, the whole arrangement being a mass of flowers.

D. RAYBUN.

CLUB AND SOCIETY DOINGS

NEW JERSEY FLORICULTURAL SOCIETY.—Malcolm MacLorie, the new president, received the good wishes of his fellow members and friends on the 7th inst., at an informal gathering at the society's rooms in Orange. Among those present, most of whom addressed the meeting, were Thomas Grey, Boston; J. B. Kidd, New York; William Duckham, A. Herrington, Charles H. Totty, Madison, N. J.; C. McTaggart of Thorburn's; W. A. Manda and Richards Brothers.

Four silver cups won in the monthly competition shows during the past year were presented to Peter Duff, William Reid, Max Schneider and Arthur T.



Washington's Birthday Window and Store Arrangement of H. R. Hughes, Chicago.

Reflection of Snowbank has spoiled the Window Picture somewhat.

Caparn respectively, with appropriate remarks by George Smith. Letters were read from H. Weber & Sons Company, John E. Haines, Chicago Carnation Company and F. R. Pierson Company, in connection with the special carnation light in March.

The addresses were in light and humorous vein; W. A. Manda, however, asked the active co-operation of those present in the National Flower Show in Chicago, the advance sheets of the schedule of which he had just received, which offered inducements for everybody to join.

J. B. D.

Washington's Birthday Store Arrangement.

The accompanying illustrations show the window setting and store arrangement of H. R. Hughes, Chicago, which followed the display for St. Valentine's Day described in our issue of February 15. The window shows a painted representation entitled "Washington Crossing the Delaware." In the foreground there is a figure of Washington as a boy in the act of cutting down the cherry tree. The tree is seen at the right, and is illuminated by small colored electric lights. The Mt. Vernon mansion is seen at the left. In the store proper, use has been made of the colonial porch which was part of the St. Valentine's Day window setting.

Illinois State Florists' Association

The third annual convention of this association opened in Arion Hall, Springfield, Ill., February 18. A severe snow storm ushered in the day and continued until almost nightfall, blocking interurban lines and cutting down the attendance. The convention nevertheless was well attended.

The Exhibits.

It was late in the afternoon before the staging of the exhibits was completed and the committee on awards commenced work. The hall was pleasingly decorated, and the displays of carnations and roses extensive and excellent. The Chicago Carnation Company staged eleven vases of carnations; William Gullett & Sons, Lincoln, Ill., a vase of Golden Gate, Bride and Bridesmaid roses and three vases of carnations. Jensen & Dekema, Chicago, had vases of Defiance and Rudd's new white seedling carnations; A. C. Brown, Springfield, carnation Governor Deneen, and ten other varieties; J. F. Ammann, Edwardsville, Ill., Richmond, Ivory, Mme. Abel Chatenay and Uncle John roses and seven vases of carnations. J. D. Cockeroff, Northport, L. I., vase of Harvard carnations; Poehlmann Brothers Company, Morton Grove, Ill., roses Mrs. Potter Palmer, Perle des Jardins and Cardinal. E. G. Hill Company, Richmond, Ind., staged vases of Cardinal and Rhea Reid roses. Afterglow carnation; Wirth & Gaugh, Springfield, Ill., nine vases carnations.

The plant exhibits included from Albert T. Hey, Springfield, ferns, crotons, geraniums, Ficus pandurata and flowering plants. George A. Kuhl, Peoria, Ill., showed ferns, hydrangeas and other flowering plants; A. C. Brown, Springfield, ferns, azaleas and other flowering plants; Vaughan's Seed Store, ferns, asparagus, Ficus pandurata, Phoenix Roebelinii, bulbs, White Baby Rambler roses in thumb pots, dormant roses, etc.

The exhibitors of supplies were Charles Apelt, Comfort, Texas, armadillo baskets; E. H. Hunt, Chicago, Wizard manures, tobakine products, sprayers and greenhouse supplies; McCray Refrigerator Company, Kendallville, Ind., florists' refrigerator in actual use; I. L. Pillsbury, Galesburg, Ill., lawn vases, flower pots, pans, etc.; The Advance Company, Richmond, Ind., ventilating apparatus, brackets and other greenhouse fittings; Morehead Steam Trap Company, Detroit, Mich., new steam trap; Eagle Machine Works, Richmond, Ind., carnation support; Maxfield & Dimond, Warren, R. I., calyx supports; A. Dietsch Company, Chicago, section of greenhouse showing C and flat gutter and new style of ventilator and header; Harry Balsley, Detroit, red flower pots.

Morehead Manufacturing Company, Detroit, Mich., steam traps; C. F. Winterich, Defiance, O., cyclamens and ferns; Crowl Fern Company, Millington, Mass., laurel wreathing, exhibited in use as decorations.

President Hey appointed Frank A. Friedley, Springfield; Fred H. Rowe, Bloomington, and A. F. Longren, Desplaines, committee of exhibits. An orchestra furnished music during the afternoon. The exhibition was open to the public from four to ten p. m. A beautiful scroll of carnations, roses, hyacinths, narcissus and adiantum, bearing the word "Welcome," was staged at the entrance by David Wirth.

Tuesday Afternoon Session.

Antrim C. Brown, president of the Florists' Club, called the meeting to order and introduced A. G. Murray, who represented the Mayor of Springfield, Roy R. Reece, who was prevented by indisposition from making the address of welcome. Mr. Murray ably substituted. Philip J. Foley made an address in response and outlined some of the work done by the association. Mr. Hollan, representing the Ad. Men's Club of Springfield, welcomed the visitors and offered transportation and guide service on Wednesday to places of interest, weather permitting. Letters were read from the Business Men's Association inviting the convention again to Springfield next year, the fraternal order of Eagles offering the use of club rooms and halls.

President Hey's address was masterful,

dealing with the work done and making suggestions for the coming year. He detailed the granting of an appropriation by the State government of fifteen thousand dollars for floricultural experiment work, and proposed an amendment to the constitution to conform to the charter, the appointment of an advisory board to direct appropriations and the changing of the association's headquarters from Joliet to Springfield. The experiment station was now a fact and members would be able during the year to read reports of its work in the papers. The president emphasized his belief in helping and encouraging floricultural work in the public schools and outlined the progress of plans for establishing a floricultural course in the University of Illinois. At the experiment station he advocated the testing of all insecticides and fungicides placed on the market, and the insistence that none be allowed to be sold in the State without the department's stamp of approval. He also advocated the making of an effort

to secure the report also containing a form of resolution suggesting that the S. A. F. memorialize the census bureau to devise a practical plan for obtaining a correct census of the florists' trade, which resolution carried.

E. Pavenport, Dean of the Illinois State University, was unable to be present to deliver an address on "Floricultural Interests at the University of Illinois," but in a letter of apology dealt with the matter and promised support in the association's plans.

W. N. Rudd as secretary of advisory committee of the Illinois State Florists' experiment station, presented a report dealing with the work of his board, and its efforts to dispense to best advantage the Government appropriation. It contained suggestions for extended work and lent hope for increased appropriation. Attached to the report were plans for a greenhouse establishment prepared gratis by the Foley Company to meet the requirements of the station, which plans were laid before the association for discussion and suggestions.

The president appointed as a committee on National Flower Show, F. L. Washburn, W. N. Rudd, W. L. Kroeschell; and on State Fairs, J. F. Ammann, George Asmus and A. T. Pyfer.



Albert T. Hey.

Re-elected President Illinois State Florists' Association.

to secure a proper census of the florists' trade in order that a better basis for appropriations be obtained. He had given instructions that the association would be sponsor for a share of the expense attending the National Flower Show at Chicago and recommended the offering of some prizes by the association and the appointment of a committee to act in the matter; he also recommended the appointment of a committee to devise a plan for awards for exhibits made before the association. Reference was made to the desirability of increased interest in the floricultural section of State fairs, and a suggestion made for a committee to take up the matter. He also advocated the extension of horticultural ideas in public schools, declaring that flowers and vice will not grow together. The report was well received and was referred to a committee to consider the suggestions contained in same.

The secretary then made his report, chiefly in a financial way, and dealing with present financial status of the association. The treasurer's report followed, showing a small balance in the treasury and all bills paid.

E. G. Hill made an address enlivening the president's report and in general concurring in the views expressed therein. He then described his recent travels in Europe in horticultural sections.

J. C. Vaughan, for the committee on president's address, reported favorably on most of the suggestions contained in

Wednesday Session.

Mr. Rudd, reporting for the committee on granting awards for the National Flower Show, announced a subscription by members amounting to \$50, the amount to be expended in the purchase of a trophy for competition under terms arranged by the premium committee. The report was adopted.

Mrs. Walker of the Women's Club of Springfield made an address on "The City Beautiful," and "Civic Improvement," and detailed the good done by school children in this direction. Professor Collins, superintendent of public schools, endorsed the statements of Mrs. Walker and told of the distribution of eleven thousand packages of flower seeds among children. Jas. S. Wilson also spoke of the scope of the children's flower show last year.

Professor Irish, St. Louis, who was to address the meeting on "Summer Bedding" sent apologies for inability to attend through sickness. Professor Bailey of the University of Illinois, made a short address dealing with co-operation by his university in research work along floricultural lines taken up at the State experimental station.

Secretary Beal then read a paper on "Our Experiment Station and What We Have Done."

J. J. Davis, assistant to Professor Forbes, State Entomologist, made an interesting address on "Thrips, Their Species and Habits." It was arranged

that the address be put into form for purpose of record and publication.

A resolution on the death of P. J. Hanswirth was presented and carried by a standing vote.

Some minor changes in the constitution regarding the establishment of an Advisory Board were next considered, and ultimately ratified.

Upon recommendation of the executive committee, E. G. Hill was elected an honorary member.

The election of officers resulted as follows: Albert T. Hey, president; J. F. Ammann, secretary; Frank L. Washburn, treasurer; George Asmus was elected vice-president in place of Mr. Ammann.

Upon invitation of Antrim C. Brown, Springfield was again elected as place of next meeting.

Reports of audit and exhibition committees were received and filed.

Final business was a resolution expressing the thanks of the association to the Springfield Florists' Club for courtesies and entertainment during the meeting.

A banquet tendered to the Illinois State Florists' Association by the Springfield Florists' Club was held at the St. Nicholas, on Tuesday evening. The tables were handsomely decorated with carnations, and the guests wore violet bouquets. An excellent orchestra and quartette entertained the delegates. The menu was first class. After coffee Hon. Chas. E. Hay acted as toastmaster. "Future of our State Association" was the toast responded to by J. F. Ammann. "I Love not Man the Less, but Nature More," by C. E. Gullett. "The National Flower Show" was well handled by J. C. Vaughan. "Springfield, as a Convention City," fell to Nicholas Roberts. The "Hoosier Florist," very naturally was assigned to E. G. Hill; "University of Illinois," found a respondent in Professor Edmund J. James. The "Ruddy Side of Life" got its response in W. N. Rudd. "City Beautiful" fell to Stuart Brown, and Phil. J. Foley gloried in a response to the toast "He who Loves a Garden Loves a Greenhouse too." About 125 covers were laid and the banquet adjourned at a late hour.

Among those present were: George Callahan, Bloomington; I. L. Pillsbury, Galesburg; R. F. Donnell, Springfield; C. Loveridge, Peoria; Leonard Kill and George Asmus, Chicago; J. M. Cole, Peoria; Harry Johnson, Bloomington; George B. Franks, Champaign; A. S. Halsted, Belleville; George A. Kuhl, Pekin; A. F. Longren, Desplaines; W. J. Rupp, Chicago; Adolph H. Poehlmann, Morton Grove; Alfred Dietsch, Chicago; Axel Aggerholm, Onarga; A. C. Beal, Champaign; A. R. Knowles, Bloomington; George M. Garland, Desplaines; W. L. Kroeschell, Chicago; H. B. Howard, Chicago; A. T. Pyfer, Joliet; Peter Olsem, Joliet; Fred H. Rowe, Bloomington; James W. Adams, Normal; W. E. Lynch, J. H. Pepper and Phil. Foley, Chicago; J. S. Wilson, Western Springs; W. N. Rudd, Morgan Park; J. C. Vaughan, Chicago; E. G. Hill and John A. Evans, Richmond, Ind.; William Breitmeyer and Harry Balsley, Detroit, Mich.; J. F. Ammann, Henry Blixen, and Edward Blixen, Edwardsville; E. W. Guy, Belleville; A. Peterson, Hoopston; S. E. Lawrence, Arrowsmith; R. A. McPherson, Litchfield; B. Jurgens, Peoria; C. E. Gullett, Lincoln; J. E. Jensen, Chicago; Mr. Klopfer, Peoria; R. W. Pde, Jr., W. J. Pilcher, Frank H. Venneman, Kirkwood, Mo.; Wm. C. Smith, George H. Augermueller, H. G. Bering, St. Louis; Edwin Denker, St. Charles, Mo.; Carl Raith and Frank Friedley, Springfield, Ill.

J. H. Pepper.

Philadelphia.

Notes.

Items of news are very scarce. There is quite a lot of work going on in the decorating line, but most of this is of the flag and hunting order with wild snailax and azaleas; nothing that is using up cut flowers. Social affairs are quiet; even the last two opera performances have not been preceded by the usual number of dinners.

The Pennsylvania Horticultural Society held its regular meeting on Tuesday evening, the entire meeting being taken up with exhibition matters for the present year, which will be carried out as last year. Spring show in Mar. pony show end of May; sweet peas and roses in June, and dahlias in September.

DAVID RUSSELL

FERNS

MY SPECIALTY

I have an immense stock of assorted ferns for Jardinières, healthy and bushy, none better; in 15 of the best market varieties, including *Cyrtium Filicium*, *Aspidium Fuscumense*, *Pteris Wimsettii* and *Maylit*, in good proportion, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 600 at 1000 rate.

CENTER PLANTS (Exact Size)

- Kentia Belmoreana*, 2 1/4 in., \$1.30 per doz., \$10.00 per 100.
 - Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
 - Adiantum Cuneatum*, fine stock, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
 - Adiantum Farleyense*, 4 in., \$4.75 per doz., \$35.00 per 100; 5 in., \$8.50 per doz., \$65.00 per 100, 6 in., \$12.00 per doz., \$115.00 per 1000.
 - Adiantum Graecillum*, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000.
 - Cyatium Schiedei*, 4 in., \$3.50 per doz., \$25.00 per 100.
 - Nephrolepis Scottii*, 5 in., \$7.00 per doz., \$60.00 per 100; 8 in., \$15.00 per doz., worth the double.
 - Elegantissima* and *Pteroni*, 5 in., \$5.50 per doz.
- Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, Short Hills, N. J.

LATANIAS

Fine strong plants, 2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$5.00 per 100, \$50.00 per 1000; 4 in. \$15.00 per 100.

KENTIAS, *Belmoreana* and *Forsteriana*, 4 in. 25c., 35c.; 5 in. 50c., 75c.; 6 in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.

PHOENIX, large, from \$2.00 to \$40.00 each.

PANDANUS UTILIS, strong 2 in. \$3.50 per 100; \$30.00 per 1000.

AZALEA INDICA, fine plants, 35c. to \$2.00 each.

FERNS

Boston and *Pteroni*, 4 in. 15c., 5 in. 25c., 6 in. 50c., 7 in. 75c.

Whitmani, 4 in. 25c., 5 in. 50c., 6 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.

Small FERNS for dishes in A1 shape, \$3.00 per 100, \$25.00 per 1000.

JOHN BADER, Mount Troy, ALLEGHENY, PA.

Bushy Ferns

Unusually fine stock of the Holly Fern (*Cyrtium filicium*), *Pteris cretica alba*, *Pteris Wimsettii*, etc. 3 in. pots, 6c.; 2 in. pots, 3c. We have never had better plants and will give you very liberal count on January orders.

Cibotium Schiedei, 3 in. pots for growing on, 20c.

ASPARAGUS Plumosus, extra strong 2 in. stock but with some of the foliage slightly disfigured. Give them a small shift and they will make fine plants \$2.00 per 100.

PRIMULA Obconice Grand, In full bloom, 3 in. pots, 5c.; 3 1/2 in. pots, 6c.; 4 in. pots, 8c.

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FERNS For Jardinières

Best varieties, strong, healthy plants from 2 1/4-4-inch pots, \$3.00 per 100; \$25.00 per 1000. 500 at 1000 rate. 3-inch, \$6.00 per 100.

CIBOTIUM Schiedei, 6-in. pots, \$1.00 each.

Nephrolepis Scottii, 7-in., 75c. and \$1.00 each, 9-in. \$1.50 and \$2.00 each.

FRANK N. ESKESEN, Main Street, Madison, N. J.

FERNS

Boston, *Scottii*, 4 in. 15c., 6 in. 40c. Some extra heavy *Scottii* at 50c. each. All pot grown.

Asparagus Plumosus, 2 1/4 in., \$3.50 per 100.

KENTIA Belmoreana, 4 in. \$25.00 per 100.

Standard varieties of carnation cuttings at popular prices.

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My list gives you a choice of 70 varieties. Varieties now ready are **KATIE COVELL, ROB ROY, HELEN TOTTY, HAROLD BISHOP, MRS. UNTERMEYER**, etc., all at **\$2.00 per dozen; \$15.00 per 100**, 2 1/4 in. pots. Buy now and increase your stock.

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Asparagus Plumosus Nanna, 2 1/4 in. pots, \$3.50 per 100, \$31.00 per 1000.

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In the following sizes, extra good value: 2 1/2 in. 50c., 75c and \$1.00. GRAND SPECIMEN PLANTS at \$3.00, \$4.00, \$5.00 and \$6.00.

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ADIANTUM FOR SPRING SALES

A. Hybridum, 2 in., \$3 per 100; 3 in., \$7.00 per 100. The finest of

MAIDENHAIR FERNS
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FERNS

BOSTON, 3 in. \$6.00; 4 in. \$12.50; 5 in. \$25.00; 6 in. \$40.00 per 100; 7 in. 90c. each.

PIERSONI, 3 in. \$5.00; 4 in. \$12.50 per 100.

ASPARAGUS PLUMOSUS or SPRENGERI, 2 in. \$3.00; 3 in. \$6.00; 6 in. \$40.00 per 100.

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WHITMANI, 2 1/4 in. \$5.00 per 100; 3 1/4 in. \$25.00 per 100.

FERNS, Boston, 2 1/4 in. \$3.00 per 100.

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Araucarias

Nice plants from 5 in. pots—
4 to 5 Tiers
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We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices. Write us for information as to kinds and prices.

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We shall receive this Spring large quantities of imported ORCHIDS, namely: *Cattleyas*, *Dendrobiums*, *Oncidiums*, *Laelias*, *Vandias*, etc. Our facilities for handling large consignments are second to none. We have four collectors, including our Mr. Carrillo, who collect exclusively for us. Our quality and price are too well known to need further comment—a trial order will prove it.

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California Plant Notes.

HARDENBERGIA MONOPHYLLA.—Of the many hardy vines grown on this coast, *Hardenbergia monophylla* is one of the most beautiful. The flowers are borne in racemes three or four inches long, in great profusion, for the three or four first months of the year. They are of a dark violet color, and set seeds freely which grow readily. A native of Australia, it fits our climatic conditions to perfection, even in the interior valleys where the Winter temperature is lower, Summer temperature higher and the atmosphere more arid than along the coast.

GELSEMIUM SEMPERVIRENS, the yellow jessamine of the South Atlantic States, does well here if planted in partial shade. It is one of our pretty Winter bloomers, though not so fragrant, nor does it make so vigorous a growth as in its native habitat. It is difficult to root from cuttings. While it should have a place on all large establishments, there are other vines quite as attractive and better adapted to our climate, notably *Bignonia Tweediana*, that are more suitable to small places.

SAXIFRAGA LIGULATA, VAR. RUBRA is now in its glory and will so continue for the next three months. If planted in partial shade and well fed, it is one of our most attractive border plants, yet few gardens about here have a plant of it in their collections.

CHORIZEMA VARIUM.—A half-climbing shrub of surpassing beauty at present is *Chorizema varium*. Why this plant is not extensively grown in Southern California is one of the strange things in our horticultural efforts for fine Winter-blooming effects. Not a difficult subject to propagate, and perfectly adapted to our climate as most Australian plants are, I know of but one specimen in this town, which is worth going a long way to see.

GARDENIA FLORIDA.—One of the failures on this coast is Cape jessamine, *Gardenia florida*, or, to be correct, *G. jasminoides*. Of the many attempts at acclimatizing this desirable subject the writer does not know of a single successful effort. The fact is, our atmosphere is too arid most of the year to get a good green leaf.

THE CALIFORNIA FUCHSIA.—Reference has been made in these notes to our California fuchsia, *Zauschneria californica*. Observations and experiments last Summer lead to a knowledge of the following facts: It is a difficult subject to transplant from the wild state successfully. In its wild state it began to bloom as my notes show, June 22 and continued so to do until October; this without rain or irrigation, while the one in Botanic Garden, University of Southern California, where with other plants it was watered freely, did not bloom until September and then but sparingly. This plant suckered freely; the suckers rooted readily, and proved to be a more desirable method of propagation than from seed. A beautiful evergreen with delicate, silvery gray foliage, it should be found in every collection of plants in sections of the country with a dry climate, and where water is scarce for irrigating purposes.

P. D. BARNHART.

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ASPARAGUS Plumosus, 2 in., \$2.25 per 100; \$20.00 per 1000.

STOCKS, double white, 5 in., 10c.

REX BEGONIA, separate varieties, 2 in., strong, \$3.00 per 100.

ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100.

GERANIUMS, S. A. Nutt, *Heteranthe*, *Gloire de France*, strong plants, 2 in., \$2.00 per 100; \$15.00 per 1000. Mixed, strong plants, \$1.75 per 100; \$17.00 per 1000.

ARACARIA, 20 in., four tiers, \$1.00.

FERNS, *Scottii*, 4 in., 10c.; 5 in., 15c.

CANNAS, two eyes, Duke of Marlborough, *Clous Henderson*, *David Harum*, *Italia*, *America*, \$2.00 per 100.

Will exchange for *Geraniums*, *R. C.*, *Carnations*, *R. C.* Write us.

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Rooted Cuttings; Fine Healthy Stock
READY NOW:

Winsor	Per 100	Per 1000
White Enchantress	\$6.00	\$50.00
Helen M. Gould and Beacon	6.00	50.00
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Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson 3.00 25.00
Have a few hundred in 4 and 5 in pots of above varieties. Write for list.

ASPARAGUS

Sprenger, from 8 in. pots \$5.00
Plumosa Nenus, from 24 in. pots 4.00

VERBENAS

Best Mammoth, Per 100 Per 1000
\$1.00 \$8.00

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Strong Dormant Roots in 30 varieties \$2.00
and \$3.00 per 100; \$18.00 and \$25.00 per 1000.

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Grafted and Own Roots, orders booked for early delivery.
Killarney, Richmond, Kaiserin, Carnot, Bride, Bridesmaid, Golden Gate, Perles, Sunrise, Sunset, etc.

ROOTED CHRYSANTHEMUMS CUTTINGS

50 fine varieties: \$1.50 and \$2.00 per 100.
Send for list.

MISCELLANEOUS

Per 100	Per 1000
Ageratum, Cope's Pet, White Cap, P. Pauline, S. Gurney, L. Bonnett	\$1.00 \$8.00
Achyranthes, best varieties	1.00 8.00
Ampelopsis Viticili, pot grown	8.00
Coleus, best bedding and fancy sorts	1.00 8.00
Cuphea Platycotra	1.25
Fuchsia, double and single	2.00 15.00
Feverfew, double white	1.50 12.00
Geraniums, best double and single	2.00 15.00
Heliopsis, light and dark	1.25 10.00
Ivy, German	1.50
Moon Vine, true, white	2.00 15.00
Salyia Splendens and Bedman	1.25 10.00
"Five early flowering sorts	1.50 12.00

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Rooted CARNATION Cuttings

CUTTINGS are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

WHITE:	100	1000
WHITE ENCHANTRESS	\$6.00	\$50.00
WHITE PERFECTION	3.00	25.00
WHITE LAWSON	2.00	18.00
QUEEN LOUISE	2.00	18.00
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WINSOR	6.00	50.00
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Add \$1.00 per 100, \$10.00 per 1000, to above prices for 2-in. pot plants.

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AFTERGLOW \$1.25 per 100
LLOYD (from 2-in. pots.) a very promising variety, \$10.00 per 100; \$75.00 per 1000. Prompt delivery.

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Rooted Cuttings of the following now ready:

100	1000
WINSOR	\$6.00 \$50.00
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WHITE LAWSON	2.50 20.00
M. A. PATTEN	
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\$50.00 at 10 0 rate. Cash with order please. Our stocks are O. K. in every way.

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GROWERS OF CARNATIONS WHO HAVE MORE PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

ROOTED Carnation Cuttings

PINK 100 1000
ARISTOCRAT \$6.00 \$50.00
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ROSE PINK ENCHANTRESS 3.50 30.00
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WHITE
WHITE PERFECTION 3.00 25.00
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BEACON 6.00 50.00
VICTORY 3.00 25.00
ROBERT CRAIG 3.00 25.00
FLAMINGO 2.50 20.00

MISCELLANEOUS
PATTEN 2.50 20.00
HARRY FENN 2.50 20.00
HARLOWARDEN 2.50 20.00

Stock guaranteed. Prompt deliveries.

THE LEO NIESSEN CO.
Wholesale Florists,
1209 Arch St., Philadelphia, Pa.

Selected Rooted Carnation Cuttings

WHITE 100 1000
White Enchantress \$6.00 \$50.00
White Perfection 3.00 25.00
The Queen 2.00 15.00

PINK
Winsor 6.00 50.00
Rose Pink Enchantress 3.50 30.00
Enchantress 2.50 20.00
Lawson 2.00 16.00

RED
Beacon 6.00 50.00
Victory 3.00 25.00
Flamingo 2.00 18.00

CRIMSON
Harlowarden 2.00 16.00
Henry Fenn 1.75 15.00

All cuttings guaranteed clean and true to name.

B. F. BARR & CO., Keystone, Lancaster, Pa.

UNROOTED Carnation Cuttings

WINSOR, PINK IMPERIAL 1000 \$50.00
VICTORY, WHITE PERFECTION 15.00
ENCHANTRESS 10.00
Can fill any size order same day as received.

ROOTED 100 1000
WINSOR, PINK IMPERIAL \$6.00 \$50.00
VICTORY, WHITE PERFECTION 3.00 25.00
ENCHANTRESS 2.50 20.00
An unusually fine lot of SCOTCH FERNS in 7-in. pans, \$6.00 per dozen.

LARCHMONT NURSERIES, Larchmont, N. Y.

ROOTED CUTTINGS OF THE PUREST WHITE ENCHANTRESS

We believe we have the largest and best stock in the country. The reason for this statement is that we were first in the market with this grand pure White. Orders now being booked for January and later delivery at \$6.00 per 100, \$50.00 per 1000. Also a large stock of Winsor, Pink Enchantress, Lawson and other commercial varieties.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
38-40 Broadway, DETROIT, MICH.

ROOTED CARNATION CUTTINGS

Per 100	Per 1000	Per 100	Per 1000
LAWSON	\$1.50 \$15.00	VICTORY	\$7.00 \$70.00
WINSOR	6.00 50.00	BEACON	6.00 50.00
ENCHANTRESS	2.00 15.00	JOOST	1.50 12.50
LADY BOUNTIFUL	2.50 20.00	HARRY FENN	1.50 12.50
NAVILOR	1.50 12.50	FLOREDA DO	1.50 12.50
		MRS. PATTEN	2.50 20.00

GRAFTED ROSES

\$12.00 per 100; \$100 per 1000. If you can furnish the plants we can quote you lower prices in any quantity you wish.

EDWARD J. TAYLOR, Greens Farms, CONN.

CARNATION CUTTINGS

WELL ROOTED. READY NOW. SPECIAL PRICES
To clean out benches while this lot lasts.

1000	100	1000	100
ENCHANTRESS	\$15.00	\$2.00	PINK IMPERIAL
LAWSON	10.00	1.50	PINK PATTEN
J. E. HAINES	15.00	2.00	WHITE PERFECTION
			WINSOR

ALBERT M. HERR, Lancaster, Pa.

CARNATIONS

100	1000
White Enchantress R. C. this stock originated with and grown by me as the very best	\$6.00 \$50.00
Enchantress, light pink	2.50 20.00
Lawson	2.00 15.00
Lord, light pink	2.00 15.00
Queen, white	2.00 15.00
The Belle, white	2.50 20.00

250 at 1000 rate. Express prepaid on orders of 1000 or more.

Get your R. C. early and have blooms when others have none.

Frank H. Kimberly
631 Townsend Ave., NEW HAVEN, CONN.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.

Enchantress, White Perfection, White Lawson, Lady Bountiful, \$2.50 per 100, \$20.00 per 1000.

Queen, Boston Market, Pink Lawson, H. Goddard, \$1.50 per 100; \$15.00 per 1000.

Victory, \$2.50 per 100; \$22.50 per 1000.

Craig, \$2.50 per 100; \$20.00 per 1000.

Cardinal, \$2.00 per 100; \$17.50 per 1000.

Harlowarden, \$1.50 per 100; \$15 per 1000.

Cash with order or satisfactory references.

SMITH & GANNETT, Geneva, N. Y.

WELL ROOTED Carnation Cuttings

100	1000
Rose Pink Enchantress	\$3.00 \$25.00
Enchantress	2.50 20.00
Mrs. Lawson	2.50 20.00
Genevieve Lord	2.00 15.00
White Perfection	3.00 25.00
Lady Bountiful	3.00 25.00
Boston Market	2.00 15.00
White Enchantress	6.00 50.00
Winsor	6.00 50.00
Aristocrat	6.00 50.00
Mabelle	6.00 50.00
Beacon	6.00 50.00
Victory	3.00 25.00

THE FLORIST'S EXCHANGE, Baltimore, Md.
Franklin and St. Paul Sts.

CARNATIONS

100	1000
White Enchantress	\$5.00 \$50.00
Rose Pink Enchantress	2.50 20.00
Enchantress	2.00 15.00
Victory	2.25 20.00
Harlowarden	1.50 15.00
Prosperity and Gaebele, rooted, to order Strong, undivided DAHLIA CLUMPS.	

Per 100	Per 1000
White Swan	\$3.00
Prince Bismarck	5.00
Clifford Brulton	5.00
Glowing Coal	5.00

KRAMER BROS., FARMINGDALE, L. I., N. Y.

The American Carnation Price \$3.50
A. I. De La Mare Ptg. & Pub. Co., 2 Duane St., New York

100	1000
White Enchantress	\$6.00 \$50.00
Winsor	6.00 50.00
Beacon	6.00 50.00
Rose Pink Enchantress	3.00 25.00
White Perfection	3.00 25.00
Enchantress	2.50 20.00
Lady Bountiful	2.50 20.00

Healthy Rooted Cuttings
SCRANTON FLORIST SUPPLY CO., Scranton, Pa.

CARNATIONS

Rooted Cuttings of all the new and standard market varieties. Send for price list.

WM. SWAYNE
Box 226 Kennett Square, Pa.

WHITE ENCHANTRESS ROOTED CUTTINGS

\$6.00 per 100; \$50.00 per 1000.

E. SCHRADER,
New Springville, Richmond Borough, N. Y.

CARNATION CUTTINGS AND PLANTS

ONLY THE BEST VARIETIES
SEND FOR OUR LIST

CHICAGO CARNATION CO.
A. I. PYLER, Mgr., JOLIET, ILL.

Rooted Carnation Cuttings

It will pay you to send for my catalogue and price list of the best novelties and standard varieties before buying.

A. F. LONGREN, Des Plaines, Ill.

ANNOUNCEMENT

Our new seedling carnation **TORADOR** will not be disseminated until January, 1909. For further particulars address

THE H. WEBER & SONS CO., OAKLAND, MD.

CARNATIONS ROOTED CUTTINGS

100	1000
The Queen	\$1.00 \$10.00
Harlowarden,	1.50 12.50
Mrs. Patten, Best Var	1.00 10.00
Lady Bountiful	1.00 10.00
Enchantress	1.00 10.00

S. G. BENJAMIN, FISHKILL, N. Y.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set sold, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cents per line, count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]

Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—As assistant, experienced in roses, carnations and greenhouse plants. Address, W. W., care The Florists' Exchange.

SITUATION WANTED—For general greenhouse work by middle-aged man, able to take charge. Address, George, 203 East 18th street, New York City.

SITUATION WANTED—Experienced grower of roses, carnations, chrysanthemums and general stock is open for first-class engagement, sober. Address, O. O., care The Florists' Exchange.

SITUATION WANTED—German, 30 years' experience, good grower of cut flowers and pot plants. South preferred. Address, E. Zell, 349 65th street, care Mrs. Larson, Brooklyn, N. Y.

SITUATION WANTED—German florist, 25 years of age, wants position in general greenhouse work; 10 years' experience. A. Motel, care Rubinick, 1237 Avenue A, New York City.

SITUATION WANTED—By experienced grower of roses, carnations, chrysanthemums and general stock. Capable of taking charge, married. Address, C. H., care The Florists' Exchange.

SITUATION WANTED—By assistant gardener, Austrian, 22, on first-class private or commercial place; eight years' experience in all branches. Address, H. G., care The Florists' Exchange.

SITUATION WANTED—As foreman, thorough experience in growing cut flowers and pot plants; capable of handling help to advantage. Best of references. Address, Florist, care The Florists' Exchange.

SITUATION WANTED—By young man with ten years' experience in roses, carnations and general greenhouse stock. Single; disengaged March 15. Address, H. J., care The Florists' Exchange.

SITUATION WANTED—As propagator and grower of high-grade florist flowers and plants, also bedding stock and forcing. Life experience; good reference. Address, M. E., care Murlock Conservatories, Cambridge, Mass.

SITUATION WANTED—German, aged 29, practical rose grower and all-around florist, wants position in general greenhouse work, able to do anything. Best of references. Frank Weiss, 726 Anselme street, West Hoboken, N. J.

SITUATION WANTED—As foreman, grower, wholesale or retail. Best experience and references. Married. Eastern States preferred. Address, R. G., care Marshall & Company, 144 West 23d street, New York City.

SITUATION WANTED—As head gardener on private place by Swede, aged 31. Life experience in this country and Europe. Thoroughly experienced under glass. Address, L. C., 231 N. Garnet street, Philadelphia, Pa.

SITUATION WANTED—As foreman on commercial place by practical, all-around German florist, as grower of cut flowers, bedding plants and general stock. 20 years' experience, single, middle aged, references. Address, A. A., care The Florists' Exchange.

SITUATION WANTED—By German grower and florist, married, 30 years of age, 16 years' experience in landscape gate-keeping and greenhouse cultivation, wishes position as foreman on first-class private or commercial place; good references. Julius Bauer, Fernbrook, Bredentown, N. J.

SITUATION WANTED—By a thoroughly up-to-date grower of sturdy first-class cut roses, carnations, bedding stock, pot plants and Easter goods. Good pay for good service. A card to my present place will be a pleasure. I desire a change. Address, L. P. B., care The Florists' Exchange.

Thirty cents is the minimum charge for advertisements on this page.

SITUATIONS WANTED

SITUATION WANTED—As gardener on private estate single, aged 34, thoroughly experienced in all branches under glass and outside. First-class references. Please state particulars and salary in first letter. Address, P. N. E., care The Florists' Exchange.

SITUATION WANTED—Good, reliable florist, single, 38 years of age, No. 1 cut flower grower, good, faithful worker and a hustler, with life experience, wishes to engage with good, responsible firm. Competent to take full charge. State wages, etc. Address, N. N., care The Florists' Exchange.

SITUATION WANTED—By single man, 27 years of age, Swede, able to take full charge of private place, will also consider assistant position on first-class private place, Eastern state preferred; very best of references. State full particulars in first letter. Address, Emil Strand, Abenda, Lake George, N. Y.

SITUATION WANTED—By Hollander as foreman on commercial place; 18 years' European and American experience in the growing of plants and cut flowers, forcing bulbs, valley, etc. Three years in present place. Good reference, aged 34, single. State full particulars in first letter. Address, J. P. Nullen, The Highlands, Newton Square, Pa.

SITUATION WANTED—By practical all-around florist, as grower of roses, carnations, bedding plants, etc.; commercial or private. Capable of taking charge, 20 years' experience, aged 35, best of references as to character and ability. Only those who require the services of a competent man need answer. Address, A. B., care The Florists' Exchange.

SITUATION WANTED—As foreman or manager, by sober, industrious, ambitious, young man, with long experience on some of the best wholesale and retail places in America. Good grower of carnations, roses and general all-around stock. Familiar with steam and hot water, pipe fitting, greenhouse building, etc. Only those having a first-class place, wanting No. 1 stock grown and who are willing to give a competent man a chance to have success, need answer. Good salary expected. References state full particulars. Address, X. Y. Z., Bridgeport, Conn.

HELP WANTED

WANTED—Good carnation and rose grower, state wages. Muskegee Carnation Company, Muskegee, Okla.

WANTED—Gardener, one who understands growing of general bedding plants, etc. References from last employer. Address, Chas. Krombach, 191 25th street, Brooklyn, N. Y.

WANTED—At once, rose grower to take charge of a section. Permanent position to a competent man. Call or write to Edgar C. Hoppen, Flechman Park, N. J., near Madison R. R. station.

WANTED—Experienced gardener with some store experience; young man preferred. Good appearance and fair knowledge of English absolutely necessary. Call between 3 and 4 p. m. C. A. Dards, 111 West 73d street, New York City.

WANTED—A New York Wholesale Cut Flower House wants an all-around, energetic young man, familiar with the New York trade. A good opening for the right party. State salary and references to H. W. H., care The Florists' Exchange.

WANTED—By April 1, a working foreman, married, to take charge of 35,000 feet of glass, where roses, carnations, chrysanthemums and a general line of bedding and pot plants are grown for retail store. Must be capable of producing first-class material and also fully able to handle help to best advantage. John Beck & Son, Bridgeport, Conn.

MISCELLANEOUS WANTS

WANTED—Offers of large plants of Hybrid Rhododendrons and Azaleas for outdoor planting. A. E. Wohlert, Merion, Pa.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED To buy, commercial place of several thousand square feet of glass near some good town on easy terms \$1,000 cash. Address, B. A. B., care The Florists' Exchange.

WANTED To lease, by two experienced growers, greenhouses, any amount up to 20,000 square feet, after Easter. Central States. Full particulars. Address, J. B. M., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED—I have a splendid opening for a good florist and gardener as a partner. Want to plant eight or ten acres of tomatoes besides doing other gardening; have 14,000 feet of glass. Must commence by April 1. State just how situated in first letter and full information will be sent. Address, S. J. McMichael, Box 183, Findlay, O.

MISCELLANEOUS

Rather Than Throw Them Away

We have some unbound sets of American Gardening, weekly, published in 1892, '95 and '96, which we offer to subscribers in good standing, and will deliver, carriage paid, until sold out, at fifty cents per volume, which amount simply pays the expense of its delivery into your hands.

These volumes contain a vast amount of good practical information, and we thought our subscribers might appreciate them, this is our reason for offering them at postage cost rather than throw them away. They were published during the period that magazine was owned by this company. Cash with order, please. A. T. De La Mare, Ptg. & Pub. Co., Ltd., No. 2 Duane st., N. Y.

A Long Felt Want Supplied

The Greater New York Employment Agency can furnish help of all kinds for florist and greenhouse work. Any nationality. Address

A HULSEBOSCH, Prop. 51 Greenwich St., NEW YORK CITY Telephone 4839 Rector

FOR SALE OR RENT

FOR SALE—Four greenhouses, all stocked, seven acres land, dwelling house, etc. Situated on Long Island. Will sell at a bargain. Box 201, Farmingdale, L. I., N. Y.

FOR SALE—Nicely fitted up florist store, ready to do business, in 75th street and Madison avenue, corner. Lease, 4-5 years, best private neighborhood in New York City. Immediate possession. Address, W. D., care The Florists' Exchange.

WRITE for particulars. Greenhouse, 2500 feet of glass, stocked with bedding plants, good demand for cut flowers. Sixteen roomed double dwelling. Rents for \$30.00 per month. Geo. F. Heath, Florist, Bennington, Vt.

FOR SALE—Florist and seed business, store well furnished with ice-box, counters, show cases, seed drawers, etc. Will sell at a reasonable price. Address, Stead, Florist, Broadway and Walker avenue, Woodhaven, L. I., N. Y.

FOR SALE—The bankrupt estate of Howard A. Chase, of Philadelphia, late treasurer of The R. G. Chase Nursery Company, of Geneva, N. Y., offers for sale 130 shares of the stock of The R. G. Chase Company of Geneva, N. Y., full paid and non-assessable, the said shares being now in the hands of the trustee for the bankrupt. The trustee will receive sealed proposals for the purchase of the said stock up to and including February 26, 1908. This offer is made by the trustee subject to the approval of the District Court of the United States for the Eastern District of Pennsylvania, the trustee reserving to himself the right to reject any and all bids if the same in his judgment should not be satisfactory. Address bids to Chester N. Farr, Jr., Trustee, 415 Real Estate Trust Building, Philadelphia, Penna.

FOR SALE or to LEASE

Located fifty miles from Boston on the main line of Boston & Albany R. R., forty acres of land with house and stable; two rose houses 20x36; plant-house 14x36; two steam boilers. Rose houses are at present producing exceptionally fine flowers. This place will be sold for very reasonable figure. Possession given any time after April 1st. Apply to

P. WELCH, OF WELCH BROS. 226 Devonshire St., BOSTON, MASS.

STOCK FOR SALE

MOON VINES—Strong rooted cuttings, \$1.25 per hundred, postpaid. Cash with order. Wachendorf Bros., Atlanta, Ga.

HEALTHY, strong cuttings, unrooted, Enchantress, \$3.00; Queen Louise, \$5.00 per 1000; Wm. S. Herzog, Morris Plains, N. J.

CANNAS—Fine roots, two or more eyes, 70 varieties. Inside prices. Ask for list. Binghamton Seed Co., Box 42, Binghamton, N. Y.

TOMATOES—6000 Comet and Lorrillard Forcing, good size, healthy, \$15.00 per 1000. J. H. A. Hutchison, Prop., Locust Street Greenhouses, Oxford, Pa.

DRACENA INDIVISA—Thirty young plants, from 3-inch pots, \$3.50 per hundred. Fine for growing on. Cash with order. Wachendorf Bros., Atlanta, Ga.

GERANIUMS, Mme. Salleron, Ageratum, German Ivy, Mesembryanthemums, Cigar Plants, \$2.00 per 100. Geo. E. Talbot, Putnam, Conn.

GIANT PANSY PLANTS (Rupp's Giant selected), strong, from open ground, 75c. per 100, postpaid, per 1000, \$3.00, by express. Miss Ada J. Brooks, Sorrento, Fla.

GERIS THUNBERGII SEEDS, \$1 per pound; Ligustrum lbota seeds, 50c. per pound. Cash please. Francis Hadden, 270 Dudley street, Roxbury, Mass.

1000 DRACAENA INDIVISA, 3-inch, ready for 4-inch; 10,000 good clean flower pots, all sizes; wagon heater, 3 drawers; 1500 feet of 1-inch steam piping. C. D. Zimmerman, Buffalo, N. Y.

CANNAS—Chas. Henderson, The Express, Rutledge, Buttercup, Mad. Berat, Kate Gray, Austria Strong, two and three eye divisions, \$2.50 per hundred. Cash with order. Wachendorf Bros., Atlanta, Ga.

FIRST-CLASS Primula obconica grandiflora seed, hand fertilized, something extra fine, 90 per cent finest dark colors, 50c. trade pkg. Henry Krinke, 43 West Jessamine street, St. Paul, Minn.

DAILIA ROOTS—Undivided field clumps, Lyndhurst, Maid of Kent, William Agnew, White Swan, Kreimbild, John Walker, Catherine Duer and A. D. Livonia. Write for low prices. Wood & Healey, Hammonon, N. J.

SHAMROCKS—Genuine Irish shamrock, original plant coming from cemetery, Downpatrick, Ireland. Without pots, \$4.00 per 100; \$35.00 per 1000; with pots, \$1.50 per 100, \$15.00 per 1000; 250 at 1000 rate. Order early. Terms, cash. J. D. Harcourt's Son, Wappingers Falls, N. Y.

SAND-ROOTED Carnation Cuttings, A No. 1 stock, express paid. Victory, \$22.00; Pink Lawson, \$18.00; White Enchantress, \$48.00; Rose Pink Enchantress, \$30.00; Winsor, \$48.00; Lady Bountiful, \$25.00 per 1000. A. Lamb & Son, Hughsonville, Dutchess County, N. Y.

TWENTY Thousand Rooted Chrysanthemum Cuttings, \$8.00 per 1000. Enguehard, Major Bonaffon, Jerome Jones, Perrin, Polly Rose, Pacific, Halliday, White Bonaffon, Nonin, Eaton, Cullingford and other varieties. Cash with order. Newtonville Avenue Greenhouses, Newtonville, Mass.

FOR SALE

FOR SALE—A large consignment of 16x24 double thick Americo glass, A and B quality. For further information write Parschelsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE—One tubular steam boiler, 60 horse-power, in excellent condition; price, \$150.00. One Kroschell hot water boiler, No. 1, will heat 6000 feet of glass. Used only three seasons, price, \$100.00. Write Graser & Humphreys, Mt. Sterling, Ky.

THE OCEAN COUNTY MOSS & PEAT CO., WARETOWN, N. J. Dealers in Sphagnum Moss and Fibrous Peat. Also peat in its natural state, live moss in sacks containing 2 1/2 bushels. For further information call or write to W. H. Stackhouse, Prop. Prompt attention given to all correspondence. Good reference on demand.

FOR SALE—Second-hand boilers. One No. 5 Weathered, capacity 1,000 feet, 4 inch pipe; one No. 5 Hitchings, capacity 900 feet, 4 inch pipe; one No. 57 Hitchings, sectional, capacity 2,600 feet; two eight-sectional Weathered boilers. Write for information and prices. Wm. H. Lutton, Opp. West Side Avenue Station (C. R. R. of N. J.), Jersey City, N. J. Telephone 412 Bergen.

FOR SALE

New greenhouse glass, very cheap for cash. Send inquires. Address C, care The Florists' Exchange.

CYCLAMEN

Splendens Giganteum Hybrids

This strain has no equal or superior. Perfect flowers of Giant type in five true colors, twice transplanted from flats \$3.00 per 100, \$25.00 per 1000; plants in bud and bloom from 4 in. pots \$15.00; from 5 in. pots \$20.00 per 100.

PRIMULA OBCONICA GRANDIFLORA

The celebrated Ronsdorfer & Lattmans Hybrids all colors in bud and bloom from 3 in. pots \$5.00; from 4 in. pots \$10.00, from 5 in. pots \$15.00 per 100.

ASPARAGUS PLUMOSUS NANUS

Special offer for first class grown stock from 2 1/2 in. pots \$3.00 per 100; from 3 in. pots \$5.00 per 100.

CINERARIAS HYBRIDA MAXIMA GRANDIFLORA

No better strain from 2 1/2 in. pots \$2.50 per 100.

CANNAS. Standard varieties, dormant roots \$2.00 per 100, \$17.50 per 1000.

SATISFACTION GUARANTEED

PAUL MADER, East Stroudsburg, Pa.

A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.

Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.

ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.

Dracaena Indivisa, 2 in., \$3.00 per 100.

FERNS, Scotch, 5 in. 30c. each.

Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100.

Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poltevine and Viaud, 2 in. pots, \$3.00 per 100. Rooted Cuttings, \$1.50.

VINCA VAR., 2 in. \$2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.

GEO. H. IMMAN, NEWTON, N. J.

VINCAS

Vinca var., fine large plants out of 4 in., \$6.00 per 100; 2 1/2 in., \$2.00 per 100

ALYSSUM, double, in bloom, fine 2 1/2 in., \$2.00 per 100.

PRIMULAS, Obconica, baby and Chinese, in bloom, 4 in., \$5.00 per 100; 2 1/2 in., \$2.00 per 100.

J. C. SCHMIDT, BRISTOL, PA.

AMPELOPSIS VEITCHII

50 strong well-rooted, transplanted, 18 to 24 inch tops, heavy roots, \$3.50 per 100, 10,000 well-rooted, 20 to 30 inch, \$2.50 per 100; \$20.00 per 1000. 1000 one-year seedlings, 12 to 24 inch, \$1.50 per 100; \$12.00 per 1000. In pots of 2000 and over, \$10.00 per 1000; fine for transplanting; packed free of charge. For samples by mail send 25c. in stamps.

Address, CHARLES BLACK, Hightstown, N. J.

NEW VIOLET BOSTON

Entirely distinct, a strong grower, a free bloomer, and the finest single violet in cultivation. Ready for distribution in April and May.

\$12.00 per 100; \$100.00 per 1000.

WILLIAM SIM, CLIFTONDALE, MASS.

AZALEA INDICA, 10-15-20-25 in. across, \$12.00 \$20.00 \$40.00 \$100.00 per 100

RHODODENDRON HYBRIDS, well budded, 2 ft x 2 ft, \$30.00 per 100; 3 ft x 3 ft, \$50.00 per 100

BAY TREES, standard, 21-27-31 in. across, \$2.00, \$3.50, \$1.50 per pair. Pyramids equally cheap.

Also Araucarias, Aspidistras, Kentias, Dracaenas, etc. Prices on application.

J. WAELKENS, SAFFELAERE, BELGIUM near GHEENT.

EASTER ANNOUNCEMENT CARDS

We have in preparation, and will issue in ample time for the Easter season, six different designs in Easter Announcement Cards, prepared specially for those who sell Easter stock at retail. These Announcements are simple but effective, and very inexpensive. For a set of samples, etc., address

Te La Mare P. & P. Co., P. O. Box 1697, New York

FORMOSA LILIUM LONGIFLORUM

Ask your dealer for our own special grown stock or write us direct for quotations. Only a limited quantity available for the coming season 1908. Delivery will be made the first part of August.

The bulbs are thoroughly ripened one month before the Bermuda Harrisii and are considered far superior in quality, as they are entirely free from disease.

Careful trials were made for two years and were so successful that we imported over 300 cases last season.

Our cases will be marked Y. N. Co.

YOKOHAMA NURSERY CO., Ltd., 31 Barclay St., NEW YORK

PANSY PLANTS

Giant Flowering	1000	100
COLEUS, 10 var, 2 1/2 pot		2.00
CANNA Henderson, dry bulbs		2.00
GERANIUMS, 10 var, 2 1/2 pot		25.00
VINCA Variegated, 2 1/2 pots		2.50

CASH

JOS. H. CUNNINGHAM, DELAWARE, O.

Rooted Cuttings

HELIOTROPE (dark) 60c. per 100; \$5.00 per 1000. FINEST DOUBLE FUCHSIAS, 75c. per 100, \$6.00 per 1000. NEW DOUBLE PETUNIA, The Queen. A fine bloomer, white mingled with purple, requires no staking. \$2.50 per 100. SALVIA Zurich, new dwarf ever-blooming variety. \$2.00 per 100. SALVIA Bonfire, 90c. per 100. AGERATUMS, S. Gurney and P. Pauline, 50c. per 100; \$4.00 per 1000. GERMAN IVY, 50c. per 100; \$4.00 per 1000.

Strong and well-rooted. Cash with order.

J. P. CANNATA, Mt. Freedom, N. J.

Alternantheras

Strong rooted cuttings, red and yellow, 50c. per 100, or \$4.00 per 1000. Brilliantissima, 60c. per 100, or \$5.00 per 1000.

DAVIS BROS., Morrison, Ill.

ASPARAGUS SPRENGERI

1-inch, \$6.00 per 100.

CARNATIONS

Unrooted cuttings, Joost, Hartowarden, Genevieve Lord, \$8.00 per 1000.

Cash with order.

C. A. PETERSON, MAIN STREET, MADISON, N. J.

SMILAX

Cool Strings of Smilax, 7 ft., extra heavy in flower, 12 ets. per string, C. O. D.

George H. Benedict, Yorkville, N. Y.

STOCK YOU NEED NOW.

GERANIUMS

A. H. Trego, John Doyle, S. A. Nutt, Bertha de Pressilly, Masl. Barney, \$2.50 per 100.

Our choice of varieties in pink, red and white, \$2.00 per 100.

BEGONIAS

Marjorie Daw, Thurston, Metallica, Rubra and Argentea Guttata, \$1.00 per 100.

Tuberous-Rooted—Single: In named colors, white, pink, scarlet, crimson and yellow, \$3.00 per 100; Mixed, \$2.50 per 100.

Fibrous-Rooted—Double: In named colors, white, pink, scarlet, crimson and yellow, \$5.00 per 100; Mixed, \$4.00 per 100.

CANNAS. We have a large list of standard varieties including: Chas. Henderson, Crimson Bedder, Beate Poltevine, Florence Vaughan, Queen Charlotte, Souv. de Antoine Crozy, etc., strong 2-eye divisions, \$3.00 per 100; \$25.00 per 1000.

DAHLIAS (Field-grown roots), Wm. Agnew, Countess of Lonsdale, Nymphs, Mrs. Wellesley, Admiral Dewey, A. D. Lyoni and Fern-Leaf Beauty, \$5.00 per 100; Grand Duke Alexis and Kriemhilde, \$7.00 per 100.

MARGUERITE, Queen Alexandra, \$3.00 per 100; Coronation, \$3.00 per 100.

BOSTON FERNS. Plants well established in 2 1/2-inch pots, \$1.00 per 100; \$30.00 per 1000.

SMALL FERNS for dishes, \$2.50 per 100 ASPARAGUS PLUMOSUS NANUS, 2 1/2-inch pots \$3.00 per 100, \$25.00 per 1000

BOLGNIVELLE GLABRA SANDERLINA, 2 1/2 inch, \$1.00 per 100; 4 inch, ready to bloom, \$20.00 per 100.

BOXWOOD, Pyramids, 36 inches high, \$1.75 each.

BOXWOOD, Bush form, very heavy, 30 to 36 inches high, \$2.00 each.

RHODODENDRONS, Short, well-formed plants for pots, full of buds, 18 inch size, \$9.00 per dozen; 21 inch size, \$12.00 per dozen.

AZALEA MOLLS, Bushy plants, full of buds and easy to force, 12 to 15 inches high, \$25.00 per 100; 15 to 18 inches high, \$35.00 per 100.

KENTIA PALMS in all sizes

LAFANIA BORBONICA, 7-inch pot plants 5 to 6 leaves, 18 to 20 inches high, 75c. each; 8 inch pot plants, 6 to 7 leaves, 20 to 22 inches high, \$1.25 each.

THE STORRS & HARRISON CO., Painesville, Ohio

ORDER NOW

Genuine Irish Shamrock

FROM COUNTY MONAGHAN, IRELAND

Fine stock in pots \$4.00 per 100; 4 1/2 in. pans \$12.00 per 100, Delivered early in March. Stock limited

HUGH GRAHAM CO., York Road and Loudon Street, Logan, Philadelphia.

ASPARGUS, BOSTONS, AZALEAS

PLUMOSUS, 2 1/2 in., \$3.50 per 100; \$30.00 per 1000; 3 in. 60c. 3 1/2 in. 1.00; 4 in. 1.25; 5 in. 1.50; 6 in. 2.00. Common roots, 2 in. 50c.; 2 1/2 in. 75c.; Sprengeri, 2 1/2 in. 30c.; 3 in. 40c.; 4 in. 50c.

Long Distance Bell Phone, Lackland.

Terms Cash. J. W. DUNFORD, Clayton, St. Louis Co., Mo.

PLANT CULTURE Price \$1.00

The best book for the Plant Grower.

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THE NEW CARNATION

Afterglow

Winner of the following prizes at the Washington Exhibition of the A. C. S. held last week:

The A. C. S. Silver Medal.

The S. A. F. Bronze Medal, for best 100 blooms of Lawson shade of pink.

The Silver Cup, offered by W. J. Vonderheide for the best 100 blooms of any variety to be disseminated in 1908.

Also awarded

GOLD MEDAL by the Rhode Island Horticultural Society at Providence, Nov., 1907. (Exhibited by Wm. Nicholson)

FIRST PRIZE by the St. Louis Horticultural Society at St. Louis, Mo., Nov., 1907. (Exhibited by E. G. Hill Co.)

SCORED the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S., Jan., 1907, after arriving 24 hours late from Framingham, Mass.

ASIDE from these honors, the fact that it has been grown successfully wherever it has been tried, is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation, for well grown, well rooted cuttings at **\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000.**

WILLIAM NICHOLSON, THE E. G. HILL CO., DAILLEDOUZE BROS., R. WITTERSTAETTER.
Framingham, Mass. Richmond, Ind. Flatbush, Brooklyn, N. Y. Originator, Sta. F. Cincinnati, O.

not in houses covered by improperly laid glass and heated by smutty, ill-drawing soft coal firing. A washing of pots will also brighten up things and becomes necessary when scummed over, slimy and harboring snails. Brown scales on palms are bad and should not be present in a good gardener's palm house or, for that matter, in any of his other houses. Brush and whale oil soap, diligently applied in a tedious chase among spines and fronds by a patient but bright-eyed person is the remedy. A badly infected plant is hard to clean of this pest and should never be placed back among others free of it. Mealy bug, or the little white scale, sometimes found on closely crowded palms after the Winter is gone, can more easily be got rid of, as also red spider, should hard firing have caused its inroad in isolated spots. Forceful syringing alone will usually end the trouble, if repeated several times. If the plants are not too large to admit of being immersed in whale oil soap suds, stood up for half a day and then given a hard syringing with clean water, this process will be found to be the most satisfactory. The sides of the cleared bench, as the good work proceeds, should also receive a going over with brush and soap, and the bench itself, the sand, tanbark or coal ashes on which the plants are to be set up again in re-arranged order, should either be replaced with clean, fresh material, or be drenched once or twice with boiling water. The use of kerosene in any form or, in fact, of whale oil preparations also, where ordinary kinds of soap could just as well be used, leaves a disagreeable odor in the house for weeks. This, therefore, as the often needless use of lime wash, warning customers from entering and unsightly at all times, are not attractive features to be added in trying to improve upon conditions in a show house. It is now time to provide for some convenient scheme in the matter of shading which will afford protection against unseasoned of soft young growth. The permanent covering of the entire outer glass surface with a coating of paint, lime, whitening or some such substance should be delayed until June.

Transplanting Palms.

When a palm has reached a certain limit in height and spread, encouragement of further growth by whatever means is not desirable, not in a place where palms must often be handled as decorative material in back and forth transit to and from halls and churches. So also is there a limit to the size of salable palms as most readily disposed of by retail florists, beyond which they cease to be desirable stock, and any further increase in size means a decrease in value commercially, when actual profits form the basis of figuring. It is not at all impossible to keep a good sized palm in perfect condition for even a number of years, if need be, if denied high temperatures and frequent transplanting; a pot apparently too small for its size does not impair relative symmetry to the extent that one proportionally too large would. At the same time the smaller pot restricts to a great extent root action and consequent exorbitance in growth, and thus the weight of both pot and plant is not needlessly increased as it certainly would be in a very rapid shifting from pot to pot as seemingly required by healthy, vigorous palms of advanced size, were the grower to humor them in this particular. In doing what now seems most urgent about the house, containing larger sized palms, transplanting is the least pressing, and only specimens needing it so badly that further delay would seem to impair their health, cause stunted or unbalanced appearance or render watering or proper treatment henceforth difficult, should undergo the operation. A rather heavy and liberally enriched soil is the kind to use and it should be well firmed all around the old ball of roots, which in the case of palms resent any kind of cutting in or severe trimming down.

Young palms, grown in blocks by themselves under a regular warm house treatment, present quite a different proposition as regards transplanting. A frequent repotting in their case is a means that of all others must be adopted when speed in sturdy growth is to make them salable stock in the shortest possible time. If sprightly growing on in a congenial atmosphere and temperature, not much below 60 degrees at any period during Winter, a shift of the most advanced will even have been

THE WEEK'S WORK

Timme's Timely Teachings.

The Palms.

Now when the season of diminished daylight and artificially maintained temperature is gradually nearing its close, palms are among the first to feel the influence of lengthening days. To enforce complete rest during the dreary months of Winter is only possible in the case of the hardiest species and not even then when palms form only a part of the various kinds of stock the retail grower is compelled to carry through the Winter. An entire stand-still in growth at any time is not even desired in the case of species usually handled in quantity at the present state of plant commerce. The smaller grower, who in his efforts to keep himself well supplied in this line, confines himself to kentias, arecas, phoenix, latania and a few cocones in varying sizes, is entirely up-to-date. If his business requires the carrying along of large specimens for decorative purposes, and if his sales in palms amount to anything at all worth considering, he will have a house especially chosen for the display of palms, arranged for effect. This is proper, and if ferns are used in connection with palms this part of the establishment can be made to be none the least attractive of any. But when the welfare of the stock so displayed is considered, the culture of palms and ferns by following this plan has its disadvantages, and the necessity of lessening evil results as much as possible becomes apparent.

House Cleaning.

There is no house exclusively given over to effective display of palms, ferns or decorative stock of any kind, either by themselves or in combination, that could year out and year in be maintained in a condition creditable to the management without being thoroughly gone over from time to time.

Private and park gardeners realize this and they are continually kept busy to maintain respectable appearance of conservatories and contents. Neither does in a house, frequently invaded by the stir of business, the oft-recurring disposal and subsequent replacement of some of the plants, render needless occasional re-arrangement from end to end and top to bottom. Pleasing effect in arranging plants of different sizes, spread and character cannot be brought about without favoring but a few and depriving the greater number of every chance to develop into perfect specimens—not in a house where all available space must be utilized, as is the case wherever stock is grown for profit. At the same time, every opportunity is offered for scale, red spider, mealy bug, snails, woodlice, scum and filth to come right in and have a good time. Nothing but a thorough-going clean-up will forestall permanent injury being done to valuable stock. It is well to undertake the unavoidable job at this time and before Spring begets new life.

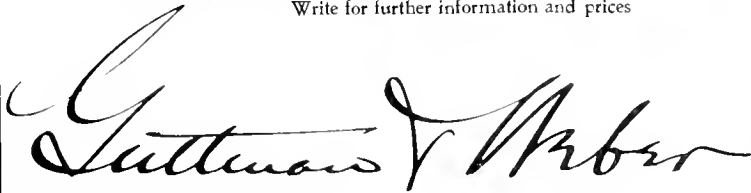
It will be found that the appearance of specimen palms is wonderfully improved by a good sponging—an operation never too often repeated, especially

CARNATION CUTTINGS

DEPEND

on receiving only **STRONG** and **HEALTHY** cuttings when you order from US
We have only the **NICEST** and **BEST** varieties

Write for further information and prices



The Wholesale Florist of New York
43 West 28th Street

Grower
Lynbrook, L. I.

Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome,
White Perfection, Lieut. Peary, Rose Pink Enchantress, Etc.

The Test ^{is} Tells The Story

When growers, who buy by the hundred the first season, order thousands the next **IT MEANS MERIT**

BEACON CARNATION

Occupies this enviable position. As an all Winter Blooming Scarlet

IT HAS NO EQUAL

Strong, vigorous, healthy cuttings ready now, per 100 \$6.00, per 1000 \$50.00

WINSOR	\$6.00	\$50.00	ROSE ENCHANTRESS	\$1.00	\$5.00
WHITE PERFECTION	1.00	5.00	ENCHANTRESS	5.00	25.00

Make all Money Orders payable on NORWOOD, MASS.

PETER FISHER, - - Ellis, Mass.

AS a matter of Business Policy it pays to satisfy a customer. This I am aiming to do in order to have your good will as well as your trade. Rest assured that I will do all in my power to satisfy you, for I am well equipped (better than ever) to supply you.

CARNATION ROOTED CUTTINGS

of high grade and can give prompt delivery. Pure **WHITE ENCHANTRESS**, **BEACON**, **WINSOR**, **ARISTOCRAT**, **PINK IMPERIAL**, \$6.00 per 100, \$50.00 per 1000. **ROSE PINK ENCHANTRESS**, **WHITE PERFECTION**, **VICTORY**, \$3.00 per 100, \$25.00 per 1000. **ENCHANTRESS**, **M. A. PATTEN**, **HELEN GODDARD**, **HARLOWARDEN**, \$2.50 per 100, \$20.00 per 1000.

Also all the best novelties of the season's introduction at the introducer's prices.

Drop me a line.

S. S. SKIDELSKY, 1741 No. 18th St., PHILADELPHIA, PA.

JOHN E. HAINES

BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908

John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress light pink \$6.00 per 100 \$50.00 per 1000

Place orders early for December delivery

CARNATIONS

Winsor, \$6.00 per 100; \$50.00 per 1000. White Perfection and Robert Craig, \$4.00 per 100; \$35.00 per 1000. Harry Fern, Oerloon, Lawson and Patten, \$3.00 per 100; \$25.00 per 1000. Maceo, Fair Maid and Boston Market, \$2.00 per 100; \$15.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

DEFIANCE

JENSEN & DEKEMA,

674 W. Foster Ave.,

CHICAGO.

The only scarlet to grow for quality and quantity. Let us have your order at once so as to secure early delivery.

\$12.00 per 100. \$100.00 per 1000.

W. N. RUDD,

MORGAN PARK, ILLS.

found to be necessary before this in the case of most species as now grown extensively for retailing; but for the regular Spring transplanting it is now time to begin.

Ferns.

When once a retail florist has fallen into the habit of using ferns from little pots for every description of made-up plant or floral piece, it is hard to break him of it, should this seem necessary. The practice is beyond criticism if in his own combined make-up the true artist and the wise economist are equally well represented. Much depends on the kind and character of his trade and on the resources at his ready command to fill all sorts of short notice orders. At all events the work turned out, where this practice prevails, thereby loses nothing in artistic finish, more often outranks in grace of contour and combined effect anything of similar design but in the construction of which the various kinds of cheaper greens were used.

Small ferns are extremely serviceable for a great variety and number of purposes and if lavishly made use of, it is a matter of importance to be at all times well supplied with this kind of stock. There is no difficulty to raise all or most of what is needed in this line from spores, and the grower who confines himself in his efforts to work up stock for his particular trade to but a limited number of kinds, will derive as much profit from an attempt on this tack as any other. The majority of retail florists, however, who grow many things handled in their business but cannot think of growing all, also include small ferns in what they are compelled to buy in stock already started. The retailer, not fitly equipped for a variety of cultures, but having a good local trade, is of necessity less of a grower than a plant merchant, and as such he cannot raise his young stock, ferns in particular, as cheaply as he can buy them from specialists. Much of the fern stock thus obtained, coming from trays or out of pots, needs but little in the way of continued culture to be right for the purposes small ferns are to serve. But if grown on with proper care, many of the little plants will develop into good-sized fine specimen ferns that sell readily at all seasons, the available supply in properly grown plants of this character never being within hailing distance of the demand in many localities, where nephrolepis is all and everything to be had in marketable potted ferns.

Nephrolepis is everywhere in evidence, is the leading fern and on many retail florists' places the only kind grown, even to the entire exclusion of anything not just the old original Boston fern. That nephrolepis is extensively cultivated by everybody is not to be wondered at, for it is easily multiplied and easily grown into ready money, the sales still keeping pace with production despite the annual increase in output. This is to be accounted for in great part by a cheapening of prices, the inevitable consequence of widespread production and sharp competition, which enables all classes of people to freely make use of it, so that now the Boston fern is conspicuous in every household, adorning the interior in the Winter, and front and back porch in the Summer, is to be seen in nearly every show window, that of butcher and barber as well as the undertaker's, whose living trademark it has been from the time of its first introduction. And more than ever was believed possible are Boston ferns now employed in the filling of veranda boxes, vases and even garden borders, not only where flowering plants fail to thrive, but in the most freely exposed situations, effective in every instance, and, if properly cared for, defying wind and weather and remaining in good shape all Summer through. No wonder, therefore, that the great number of Boston ferns, as grown every year, find good uses. But it is less easily explained why many of the retail growers persist in handling only the old type, when the beautiful sports of later origin, especially those of recent introduction, are no more

WINONA

The True Pink Carnation for 1908.

A color that attracts attention. Once seen, always wanted.

Comes nearest to Defiance, but is a different type flower. Never Bursts—Every Calyx Perfect. Good, shape active growth. Blooms early and in quantity. A grand commercial variety. See it at a trial and compare the returns. We have a large stock clean and healthy. Will guarantee every cutting to be first class. Order now for early delivery. Price, \$12.00 per 100; \$100.00 per 1000. Larger lots, prices on application. With our additional glass we have more than doubled our stock our stock of carnation plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER:

	100	1000	100	1000	
RED CHIEF, bright scarlet	\$5.00	\$40.00	ROSE-PINK ENCHANTRESS, pink	\$3.00	1000
BONNIE MAID, pink, edged white	5.00	40.00	ENCHANTRESS, light pink	3.00	25.00
ARISTOCRAT, cerise	6.00	50.00	LADY BOUNTIFUL, white	3.00	25.00
WINSOR, pink	6.00	50.00	VICTORY, scarlet	3.00	25.00
BEACON, orange scarlet	6.00	50.00	DOROTHY WHEENEY, yellow	4.00	30.00
WHITE ENCHANTRESS, white	6.00	50.00	MRS. PATTEN, variegated	3.00	
WHITE PERFECTION, pure white	3.00	25.00	HARRY FENN, crimson	3.00	

F. DORNER & SONS CO., Lafayette, Ind.

difficult to grow than the seemingly indomitable Boston fern.

Treatment of Ferns.

There is probably no other class of plants more readily responding to judicious treatment than ferns, or any more easily ruined by improper culture. Conditions such as over-fertilized soil, excessive heat and a stagnant atmosphere, heavily charged with moisture and constantly overshadowed by a dense coating of paint on the glass, afford the sort of high living to which many species of ferns are only too willing to yield. It is not the treatment that will build up the commercial fern. It is the excess in all these details of culture which works mischief, promotes soft growth, favors insects, causes disease, twists and cripples hastily pushing fronds and ultimately leads to premature exhaustion and death. The grower of ferns for his home trade or for the market, whether potted plants or cut fronds, if he is not a specialist, will come as near to being right in the culture of such kinds as he is apt to grow as is consistent with proper management, if he subjects all the varieties to one and the same treatment as regards soil, temperature and moisture. As to replanting, propagation and shading the methods to be adopted must differ.

The soil for small ferns should be a mixture of sandy peat or turfy loam one part, and two parts of leaf mold. As they attain size, beginning with the 4-inch pot, a heavier soil is used and instead of leaf mold, well rotted old hotbed manure is added and the pots are well crooked. Very firm planting is not good for ferns; but stirring the surface of the soil occasionally is a good plan. Root-bound large specimen ferns need copious watering and in their case a light dose of liquid food from time to time will be of benefit. On the other hand, ferns newly divided or transplanted or weak and sickly, must be watered with the greatest of care, although at no time should fern roots ever become dust dry.

The temperature is right if held at the point of 60 degrees as near as possible the whole year through with a slight lowering at night and a corresponding rise through the mid-day hours. Well-established pot plants of nephrolepis, polypodium, adiantum, nephrodium, some varieties of lastrum, pteris, aspidium and a few others will safely endure quite a cool and fairly dry atmosphere; but the hardening off should be accomplished gradually; a sudden removal from out of a congenially humid temperature of probably 65 degrees to one perhaps not higher than 40 is likely to spoil them as salable stock; and to get them back into fair condition after that is extremely slow work.

Healthy ferns, mounting new fronds in continuous succession or a fresh crown growth periodically, need for perfect development of growth a reasonable amount of atmospheric humidity, never to the extent of showing condensation in the form of dripping moisture on the plants or about the house at nightfall.

VICTORIA

NEW SEEDLING, crossed by Lawson and Harry Fenn, the color of Lawson and the long stem of Harry Fenn; it is more profuse than either. Lawson is past. Victoria is better than Lawson ever was, and gave us last Winter from 20 to 95 per cent, more blooms each month. It is very healthy and a nice grower. I have two houses of it, and it is a sight to see the buds and blooms. It brings more money in the market than Lawson. Read below what J. A. Budlong & Sons Company of Auburn, R. I., say of it. They are growing it this Winter. J. A. Budlong & Sons Company are one of the largest market gardeners in New England also the largest rose and carnation growers in Rhode Island.

Mr. J. H. Cushing, Quidnick, R. I.
Dear Sir: We have 1175 plants of your new seedling Victoria carnation which we planted in house the last of July. They

ROOTED CUTTINGS

	100	1000
Queen	\$1.50	\$12.50
Perfection	3.00	25.00
PINK		
Winsor	5.00	
Aristocrat	5.00	
Enchantress	2.00	15.00
Rose Enchantress	3.00	25.00

QUIDNICK GREENHOUSES

have made fine plants and we think now will produce as many flowers, if not more than any carnation we ever grew. The stems are stiff and good length. The flower is also a good keeper.

We have sold these flowers in several instances to some of our best trade in Boston, who thought they were a long-stemmed Lawson.

Up to date, we have cut 4768 flowers from the 1175 plants, and there are as many buds in sight to-day as there have been any time since we started to cut. In other words, the cut has been very uniform and looks as if it would continue so throughout the Winter.

We do not think that you will make any mistake by putting this carnation on the market. Yours truly,

THE J. A. BUDLONG & SONS CO.
Price of Victoria rooted cuttings, \$75.00 per 1000; \$8.00 per 100; 250 at 1000 rate

RED

Red Chief	4.00	
Victory	2.50	22.50
Robert Craig	2.50	22.50
Harry Fenn	2.00	15.00

VARIEGATED

Mrs. Patten	2.00	17.50
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J. H. Cushing, Prop., Anthony P. O., QUIDNICK, R. I.

HEADQUARTERS in Western New York

For

PRICES FROM SAND

Winona	\$12.00 per 100
Defiance	\$100.00 per 1000
Afterglow	

White Enchantress	Two good things \$5.00 per 100
Winsor	
Helen Gauld	
Beacon	
Aristocrat	
Red Chief	

CARNATION

PRICES FROM SAND

White Perfection	\$4.00 per 100
Rose Pink Enchantress	\$35.00 per 1000
Melody	
Victory	
Vari. Lawson	\$4.00 per 100
White Lawson	\$25.00 per 1000
Red Lawson	
Mrs. Patten	
Enchantress	\$2.50 per 100
Harry Fenn	\$20.00 per 1000
Mrs. Lawson	\$2.00 per 100, \$15.00 per 1000

CUTTINGS

We beg to call your special attention to Winsor and White Enchantress. We have an immense stock of these two grand carnations and can give immediate delivery on cuttings, from soil or pots, strictly first-class stock, absolute satisfaction guaranteed. No order too large, no order too small. Try us.

White Bros., Gasport, N. Y. Cash with order, or satisfactory reference.

Air also is necessary to counteract stagnation; strong drafts are death to tender, young fern-growth during the months of Winter and at no time especially good for ferns. Shading is necessary for newly planted or repotted ferns, and beneficial, though not absolutely needful, to established and growing ferns. It all depends whether it is employed heavily and continually or with reason. A light shading during the brightest hours of cloudless days from about now until the end of October is good for all ferns, a point in the proper culture of

most evergreen, glass-houses-grown species, even including nephrolepis, if appearance counts as much as endurance in estimating their commercial value.

In propagating ferns by division it is best to cut up or pull apart only such old plants as are still in active growth or just beginning to show new life. Those multiplied by runners from under or over the ground are more apt to send forth an abundance of these in all directions, if given free play under bench culture, as in the case of Boston fern, polypodium, etc. FRANK W. TRIMM

THE FLORISTS' EXCHANGE

A. L. YOUNG & CO.

WHOLESALE FLORISTS
54 WEST 28th STREET, NEW YORK.
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

NEW YORK.—The cut flower market shows little, if any, improvement over last week. Conditions continue very unsatisfactory, and a fixed price along any line is out of the question. Roses are more plentiful and prices are tending downward. The supply of carnations shows no abatement, and \$2 per 100 seems to be an outside price for the very best standard varieties. Lilies are in abundance, as are callas, lily of the valley, narcissus in many varieties and tulips. Sweet peas are not so plentiful as they have been in other years; still, there are enough to meet all demands. The supply of freesias is becoming heavier, but gardenias and catleyas do not show much increase in quantity as yet. A limited supply of snapdragons and cornflowers is coming in daily.

To say the least, business is very unsatisfactory for both growers and dealers. The retail store men do not seem to be burdened with too much work, and the weather has been too cold for the sidewalk peddlers to get busy. As soon as we get a little warm weather, no doubt the surpluses will be moved off to the street men at some price or other. With present conditions, it is impossible to clear out satisfactorily the increasing stock that is reaching the city every day.

CHICAGO.—While the market is not characterized by pronounced activity in any line it is, nevertheless, in a fairly satisfactory condition. The weakest spot is in the carnation quarter, and carnations are still close to the glut point. The oversupply in these flowers does not, as usually, affect only the poor grades, but many of the fancy sorts. Eucharis is particularly affected among the higher grades, being most common. There is hardly a question about the fact of this variety being too extensively grown, its sacrifice in the market this week furnishing sufficient evidence. White carnations are overabundant and move slowly, excellent stock going off at a dollar a hundred. Reds are more fortunate, and on the whole sell well, but at times exhaust all the wiles of the salesman.

Roses are still the strongest commodity in the market. American Beauty are scarcer than ever, and prices in consequence are again advanced. There is very little probability of an easier supply for a week or two yet. Bride and Bridesmaid are not too plentiful, the crop now due not having materialized, owing to the long spell of dull weather recently experienced. Killarney among the teas is commanding the best prices.

Bulbous stock is still in oversupply, and movement at times is on a sacrificial basis. There are more daffodils coming in than the market will absorb, therefore the sales made are confined mostly to selected stock; low grade flowers await the bargain hunter, and not infrequently the ash barrel Tulips are also overplentiful, but the better sorts, if they have long stems, move fairly well. Short stock is not wanted at any price. Sweet peas sell well, and there is plenty of good flowers to be had. Lilies are in better supply, and clean up nicely; but lily of the valley does not fare very well, much of it being forced out at minimum prices. Orchids are in good demand, but the supply is meager, particularly cattleyas. Violets are plentiful; eastern violets have been running somewhat light in color, though otherwise good, and this has kept prices of Hudson stock below the local scale. The bright weather now being enjoyed should have a wholesome effect on the market before many days are passed. J. H. P.

ST. LOUIS.—Business has been good here the past week. Most of the retailers report a very good day's trade on St. Valentine's Day; violets sold very well and the wholesale market was loaded down with them—all California. There has been a great deal of funeral work, and all the wholesale salesmen had large demands for white flowers every day during the week. On violets, carnations and roses prices remained steady, as only a limited quantity of stock is coming in. Specials in roses realized from \$10 to \$12 per 100; firsts, \$6 to \$8, and shorts, \$4 to \$5; American Beauty, long fancy, \$4 per dozen, \$2 to \$3 for next choice, and from \$4 to \$5 per 100 for shorts. Carnations, extra fancy, 3 to \$4 per 100; next grade, \$2 to \$2.50, and common, \$1.50 per 100. Bulb stock lily of the valley, \$3 to \$4; tulips, \$3; jonquils, \$3; Roman hyacinths, \$1 to \$2; Paper White narcissus, \$3; Von Stern, \$3; freesias, \$1 to \$2; callas, \$10 to \$12.50; violets, \$50 to \$60; sweet peas, 50c. to \$1 per 100. ST. PATRICK.

BOSTON.—There is little change in business, it is dull, yet there seems to be a little doing, but the good prices which generally prevail are not to be had. Roses, which have been the best selling of any flowers recently, are now more plentiful and prices have dropped although an effort is making to maintain the high figures on such fancy varieties as American Beauty, Richmond and Killarney. Carnations in colors are selling better than they were a week ago but prices are low. Lilies are still plentiful. Violets are good and sell fairly well. Dutch hyacinths have made their appearance; Roman hyacinths are not so plentiful. Paper White narcissus have shortened up in supply somewhat. Golden Spur and other large narcissi are selling well. Sweet peas are plentiful but clean up fairly well. Lily of the valley finds a fair demand. J. W. D.

BUSINESS DIFFICULTIES.

WINCHESTER, TENN.—J. W. Shad-dow, proprietor of the Cedar Hill Nursery and Orchard Company of this place, has made a voluntary assignment in favor of Hugh Morton, trustee, for the benefit of his creditors. The estimated cash value of the assets is \$60,000, and liabilities are \$42,000. Included in the assets are twenty-two peach orchards in Alabama and Georgia. The Cedar Hill Nursery did an average annual business of \$250,000, and employed a large number of hands. The business will be continued by the trustee, and it is said the obligations can be met within a year.

FIRMS WHO ARE BUILDING.

WYOMISSING, PA.—Frank Shearer has begun the erection of another greenhouse.

LAFAYETTE, IND.—Herman Roth will add another greenhouse this Spring.

OTTAWA, KAN.—A new greenhouse, 86x21 1/2 feet, is being added to the Lester plant; this will increase the firm's space to 10,000 square feet.

CHANGES IN BUSINESS.

RIDGEFIELD, CONN.—George I. Haight has purchased the lot owned by J. L. Dauchy, on the Danbury road. Mr. Haight expects to build on this site and remove his greenhouses there also.

DES MOINES, IA.—The Guthrie-Lorenz Company has opened a flower store at 420 Sixth avenue. The members of the company lately organized are Mr. Guthrie, formerly of the Iowa Seed Company; Miss L. E. McMillen and Oliver Lorenz, who is at present with the Baker-Trister Company.

FARGO, N. D.—The firm name of Shotwell & Graver has been changed to that of the Shotwell Floral Company. Winthrop E. Shotwell purchasing the interest of J. L. Graver, and will continue the florist and nursery business with A. T. Shotwell under the name given above.

MOBILE, ALA.—The Minge Floral Company has been incorporated with a capitalization of \$20,000. The officers of the company are: Maria Minge, president; Wyndham Lyon, secretary and treasurer; and W. M. Bailey, manager. Miss Minge and Mr. Bailey have selected and the new company has purchased a ten-acre tract of land and has also secured options on lands adjoining for the enlargement of its greenhouses and gardens as the same becomes necessary. Orders are in and the manufacturers will soon have ready to ship a battery of sixty-horsepower boilers, with steel tubing for steam heat to supply ten Foley greenhouses that are now ready for shipment, and will be set up upon arrival, and when ready for use will enclose 26,000 feet of ground with glass. The office of the company will be at 100 St. Joseph street.

FIRES.

BRAINTREE, MASS.—On Tuesday, February 4, 1908, fire caught in one of the four large greenhouses of George Henry Arnold, on Middle street, and damaged the building and destroyed the plants and vegetables. The blaze started from overheated pipes in the boiler room and was confined to the building where it started, and damaged that structure \$500. Mr. Arnold valued the plants and vegetables at between \$2,000 and \$3,000.

Always in Demand

ARAUCARIA ROBUSTA COMPACTA and GLAUCA

JUST LOOK! An ARAUCARIA ROBUSTA COMPACTA OR EXCELSA GLAUCA, worth a ten dollar bill, perfect shape and color, 6-7 in. pots, 6-year-old, 4-5-6 tiers, 20 to 40 in. height, the same in width, only \$3.00; 6-7 in. pots, 6-year-old, 4-5-6 tiers, 25 to 28 in. height, \$2.00 and \$2.50; 6-7 in. pots, 6-year-old, 3-4 tiers, 18 to 25 in. high, \$1.50 to \$1.75. Excelsa, 6 in. pots, 5-year-old, 5 tiers, 22 to 25 in. high, \$1.00; 6 in. pots, 4-5 tiers, 4-5-year-old, 18-20-22 in. high, 75c.; 2-year-old, 2-3 tiers, nice little plants, 6-8 in. high, 40c. WHITMANI, larger than 8 in. pot, planted in 7 in. pots, made up in June, three plants in a 7 in. pot, now as large as a bushel basket, price, \$1.25 to \$1.50 per pot. PIERSONI FERNS, 4 in. pots, 35c.-40c.-50c.; 5-5 1/2-6 in. pots, 75c.-1.00.

AZALEA INDICA. Have an immense stock now planted in 6 in. and 7 in. pots, were grown for us under contract by an Azalea Specialist in Ghent, Belgium. Have only the leading varieties such as, Mme. Van der Cruyssen, (2500 of this well known variety of the finest shape, full of buds), Niobe, Bernard Andrew Allen, Deutsche Perle, Simon Mardner, Empress of India, Prof. Wolters, Apollo, and 1/2 doz. more popular sorts, price, 50c., 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75, \$2.00, \$2.50 each.

SCOTTI FERNS, 5 in. pots, 50c. to 75c.; 7 in. pots, \$1.00 each.

BOSTON FERNS, 8 in. pots, made up of 3 plants, as big as a wash tub, \$1.25 to \$1.50 each; 7 in. pots, 75c. to \$1.00.

each; 6 in. pots, 50c. each; 5 and 5 1/2 in. pots, 30c., 35c. and 40c. each.

FERNS FOR DISHES, 2 1/2 and 3 in. pots, 5c. each.

KENTIA Forsterlanni and Belmoreana, 4 in. pots, 8 to 20 in. high 35c. 5 1/2 in., 5 1/2 in., and 6 in. pots, bushy stocky plants, 60c., 60c., and 75c.

LATANIA Borbonica, 4 in., strong, 25c. each.

COCOS Weddelliana, 3 in. pots, 10-12-15 in. high, 15c.

FICUS ELASTICA or RUBBER PLANTS, home grown and Belgium stock, 18-20 to 40 in., 5-5 1/2 to 6 in. pots, 25c.-35c.-40c.-50c. and 60c. each; 7 in. pots, 75c.

ASPARGAGUS plumosus nanus, 4 in. pots \$10.00 per 100; all bushy plants.

HYDRANGEA OTAKSA, in bud, just right for Easter. Now is the time to force Hydrangea Otaksa for Easter blooming. Remember only pot grown will form successful for Easter; we grow ours in pots in the summer and plant them in cold frames (now inside); have about 500 to spare, 6 in. and 7 in. pots 25c., 35c., 50c., and 75c. each.

BEGONIA, new improved Erford, 4 in., strong, 20c.; 5 1/2 in., 25c. each.

CINERARIA Hybrid for Easter flowering, best strains, 4 in. pots, \$10.00 per 100; 5 in. pots, \$2.00 per doz.

CYCLAMEN Giganteum, in bud and bloom, 4 in. pots, 20c. to 25c. each.

PRIMUM obconica, in bloom, 5 1/2 in. pots, 25c. each.

Please mention if plants are to be shipped with or without pots. All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN, Importer, Wholesale Grower and Shipper of Pot Plants
1012 West Ontario Street, PHILADELPHIA, PA.

2-Year-Old Everblooming Roses

OWN ROOTS
These are strong, well branched plants. They have been potted for some time and are well equipped with roots. Packing can be done very light and they will carry safely to any part of the country.
\$1 per doz.; \$8 per 100; \$75 per 1000.

Baby Rambler	Hermosa
Clothilde Soupert	Helen Gould
Marie Van Houtte	Papa Gontier
Rio de Lyon	Queen's Scarlet
Mme. Chateaux	Meteor
Mme. Grolez	C. G. Kaiserlin
Snowflake	R. M. Henriette
Climbing Meteor	Strip'd Henriette
Bessie Brown	Safrano
Isabella Sprunt	White La France
Con. de Lyon	Pres. Carnot
Perle des Jardins	Etiole de France
Yellow Cochet	Sunrise

HYBRID PERPETUALS
Paul Neyron
Mrs. Jno. Laing
A. Diesbach

Mme. Chas. Wood
Magna Charta
Yick's Caprice

100 varieties; 2 1/2-inch pots.
WHITMANI FERNS, pot grown, 6 to 8 fronds, \$1.25 per doz., \$10.00 per 100; 2 1/2-in. pots, \$4.00 per 100.

JOHN A. DOYLE, Springfield, Ohio

CANNAS

Our stock is true to Name. Extra Selected, plumb, sound, 2, 3, 4-eyed roots.

Austria	Per 100	Martha Washington	Per 100
Allemania	\$1.20	Mont Blanc	\$2.00
Alba Rosea	1.75	new	2.00
Alphese Bouquet	2.00	Musaeolia, new	1.50
Brandywine, new	3.00	Mrs. Kathie Gray	2.00
Buttercup, new	4.00	Oscoda, new	3.00
Burbank	1.20	Pennsylvania	2.00
Black Prince	2.00	Premier, gold	2.25
Black Beauty	2.75	Coronet	2.00
Chas. Henderson	2.00	Pres. Meyers	2.50
Egandale	2.00	Queen Charlotte	2.50
Express, dwarf	4.00	Robusta, red	1.50
Flora	2.00	leaf	1.50
Gladator, new	2.00	Secretary Chatter	2.00
Itala	2.00	banne	2.00
King Humbert	12.00	West Virginia	3.00
Louise, pink	2.00	All kinds mixed	1.00
Mallicia	1.50	ed	1.00
Dahlia, field-grown, leading kinds for cut flowers, all named, per doz. 40c.; per 100 \$3.50.			
Caladiums escul Elephant's Ear	Per 100		
6-8 in. circumference	\$1.50		
8-10 in. circumference	3.50		
10-12 in. circumference	5.50		
Tuberose, Pearl, 1st size	.90		
Tuberose, Pearl, 2d size	.50		
Caladiums gand., mixed	.80		
All other bulbs, etc., see catalogue.			

Shellroad Greenhouse's, Grange, Baltimore, Md.

CANNAS

5000 Extra fine bulbs of Louisiana Orchid Flowering Dark Red Cannas, 6 to 7 feet high, three and four eyes to each division, \$6.00 per 100; or exchange for ranted Cuttings of Isante Pattevine and Double General Grant Geraniums.

THE CEDAR HILL GARDENS, Sea Cliff, L. I.

DETROIT, MICH.—Late reports just received showed that last week's thaw caused a dangerous flood in the low lying district in Woodmere. At Chas. Warnke's place they worked all night to keep the water from flooding the fire-box. A Steinke & Son had to call the assistance of a fire engine to pump the water from the firing pit. Many others in this section toward Grosse Pointe, had a hard night keeping the water from the boilers. Car service between Detroit and Grosse Pointe was suspended, on account of the flood, which made the usual Sunday morning delivery to the fashionable customers at the latter place very irksome. F. D.

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Wholesale Prices of Cut Flowers, New York, Feb. 19, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special	40.00 to 50.00	Carnations	10 1/2 grades, all colors	.50 to .75
	" extra	20.00 to 40.00		STANDARD White	1.00 to 1.50
	" No. 1	12.00 to 15.00		" Pink	1.00 to 1.50
	" No 2	6.00 to 8.00		VARIETIES Red	1.00 to 1.50
	" No 3	3.00 to 4.00		" Yel. & Var.	1.00 to 1.50
	Bride, Maid fancy-special	6.00 to 8.00		*FANCY—White	1.00 to 2.00
	" extra	5.00 to 6.00		(*The highest grades of standard var) Pink	1.00 to 2.00
	" No. 1	3.00 to 4.00		" Red	1.00 to 2.00
	" No. 2	2.00 to 3.00		" Yel. & Var.	1.00 to 2.00
	Golden Gate	3.00 to 10.00		(NOVELTIES	2.00 to 3.00
RICHMOND	3.00 to 15.00	GARDENIAS, per doz.	1.00 to 3.00		
Mme. Abel Chateauy	3.00 to 10.00	LILAC, per bunch	.50 to .60		
AOIANTUM	.50 to .75	LILIES	6.00 to 8.00		
CROWNEANUM	1.00 to 1.50	LILY OF THE VALLEY	1.00 to 2.00		
ASPARAGUS	25.00 to 50.00	MIGNONETTE	3.00 to 6.00		
" Plumosus, bunches	15.00 to 25.00	NAISSUS (Paper White)	1.00 to 1.00		
" Sprengerl, bunches	15.00 to 25.00	" Yellow	1.00 to 1.00		
CALLAS	6.00 to 8.00	POETICUS	1.00 to 1.00		
CARTHYAS	35.00 to 60.00	SMILAX	8.00 to 12.00		
CYPRIPEDIMS	2.00 to 8.00	VIOLETS	.25 to .40		
DAISIES	2.00 to 3.00	CORN FLOWERS	1.00 to 1.50		
FREESIA, per bunch	.10 to .20	HYACINTHS, Roman	.50 to 1.00		
		SWEET PEAS (per doz. bunches)	1.00 to 2.00		
		TULIPS	1.00 to 2.00		

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American Beauty, Bridesmaid, Bride, Liberty, Lilies, Lily of the Valley, Carnations
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Washington, D. C.
News Notes.

This city has experienced many kinds of weather the past week, including torrential rains and a flood which still prevails in the Potomac. The thermometer rose steadily from close proximity to zero, and for several days fire heat was an annoyance. There was a good deal of business done in all branches of the trade and a brisk demand with some of the market stands for funeral work.

On Thursday night one of the boiler houses of the American Rose Company on Bladensburg road was completely destroyed by fire, but fortunately the large steam boiler was not seriously injured. About 30 feet of the 240-foot house of carnation Helen Gould, which connected directly with the boiler house, was badly damaged by fire and smoke, and some 25 or 30 boxes of glass were broken. The total loss is estimated at \$1,000. It is not known how the fire originated.

We learn with regret that John Clark, owing to some difficulties encountered with his heating system, has had a setback in the dissemination of his new red rose, a few flowers of which were shown and widely admired at the convention of the American Rose Society, held here last March.

Bowling Notes.

The ladies' auxiliary of the bowling team of the Florists' Club of Washington rolled four games on February 13, with the following results:
Mrs. Geo. Cooke, 59 56 67 93
Mrs. Siddens, 116 80 105 132
Miss Cooke, 70 99 75 100
Mrs. McCauley, 111 119 95 123
Mrs. Shafter, 153 100 101 80
This team is distinguishing itself among local female bowlers.
JAS. L. CARBERY.

Exhibitions.

ST. LOUIS, MO. The Rules and Prizes for the second Spring exhibition of the St. Louis Horticultural Society have been issued by Secretary Otto Koenig. The show will be held in the Grand Avenue Masonic Temple, Grand and Finney avenues on March 10, 11 and 12, day and evening. Competition is open to all.

THE FLORISTS' EXCHANGE

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CHOICE CARNATIONS in lots of 500 or more \$2.50 per hundred, including fancy varieties such as Enchantress, Lawson, white and red. A trial order will convince you of the extra values in this offer.

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BEAUTIES

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Boston. The Week's News. John Dunbar, assistant superintendent of parks, Rochester, N. Y., was the speaker at the weekly meeting of the Massachusetts Horticultural Society on Saturday. His subject was "Hardy Conifers for Private Estates," and as Mr. Dunbar has had a wide experience among these trees he handled it in a very able manner. There was a good attendance and a lively discussion followed. There will be no meeting at Horticultural Hall to-day (Saturday) on account of Washington's Birthday, but next week the speaker will be Robert Craig of Philadelphia, his subject being "The Private Gardener."

CARNATIONS A SPECIALTY CARNATIONS ROSES VIOLETS, VALLEY. GEO. B. HART, Wholesale Florist, 24 Stone St., ROCHESTER, N. Y. Mfr. Hart's Handy Handle.

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PLANT CULTURE Price, - - - \$1.00. A. T. De La Mare Ptg. & Pub. Co. 2 to 8 Duane Street, New York

Wholesale Prices of Cut Flowers—Per 100

Boston Feb. 17, 1908	Buffalo Feb. 17, 1908	Detroit Feb. 2, 1908	Cincinnati Feb. 17, 1908	Baltimore Feb. 10, 1908	NAMES AND VARIETIES	Milwaukee Feb. 10, 1908	Phil'delphia Feb. 17, 1908	Pittsburg Feb. 17, 1908	St. Louis Feb. 17, 1908
30.00 to 50.00	40.00 to 50.00	..... to .....	..... to 40.00	..... to	A. BEAUTY, fancy-special	..... to 25.00	40.00 to 50.00	40.00 to 50.00	20.00 to 25.00
20.00 to 30.00	25.00 to 30.00	25.00 to 30.00 to 30.00 to		extra	18.00 to 20.00	20.00 to 30.00	25.00 to 35.00	12.50 to 15.00
10.00 to 20.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	No. 1	12.50 to 15.00	15.00 to 20.00	10.00 to 15.00	6.00 to 8.00
4.00 to 10.00	4.00 to 10.00	8.00 to 15.00	50 to 1.00	..... to	Culls and ordinary	4.00 to 8.00	6.00 to 15.00	..... to 5.00	3.00 to 5.00
8.00 to 12.00	12.00 to 15.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	BRIDE, 'MAID, fancy-special	..... to 8.00	8.00 to 15.00	..... to 12.00	8.00 to 10.00
6.00 to 8.00	10.00 to 12.00	6.00 to 8.00	6.00 to 8.00	7.00 to 8.00	extra	..... to 6.00	8.00 to 10.00	..... to 10.00	4.00 to 6.00
4.90 to 6.00	8.00 to 10.00	..... to .....	..... to 4.00	6.00 to 7.00	No. 1	..... to 4.00	6.00 to 8.00	..... to 8.00	..... to 5.00
2.00 to 4.00	4.00 to 6.00	..... to .....	..... to 3.00	4.00 to 5.00	No. 2	..... to 3.00	..... to 8.00	..... to 6.00	..... to 5.00
..... to	4.00 to 10.00	6.00 to 10.00	3.00 to 6.00	5.00 to 10.00	GOLDEN GATE	4.00 to 6.00	3.00 to 8.00	..... to 8.00	..... to 12.50
..... to	4.00 to 7.00	6.00 to 10.00	..... to	6.00 to 10.00	K. A. VICTORIA	4.00 to 8.00	3.00 to 6.00	..... to 15.00	..... to
..... to	5.00 to 15.00	6.00 to 10.00	6.00 to 10.00	..... to	LIBERTY	4.00 to 8.00	3.00 to 15.00	6.00 to 15.00	..... to
..... to	5.00 to 7.00	..... to .....	..... to 4.00	4.00 to 6.00	PERLE	4.00 to 6.00	..... to	6.00 to 8.00	..... to
..... to	2.00 to 3.00	35.00 to 50.00	..... to .....	..... to 1.00	ORCHIDS—Cattleyas	..... to .....	..... to 50.00	60.00 to 75.00	..... to
1.00 to 2.00	..... to	2.00 to 4.00	..... to 2.00	2.00 to 2.50	Interior grades, all colors	..... to 2.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
1.00 to 2.00	2.00 to 3.00	2.00 to 4.00	..... to 2.00	2.00 to 2.50	White	..... to 2.00	1.50 to 3.00	..... to 2.00	1.00 to 1.50
1.00 to 2.00	2.00 to 3.00	2.00 to 4.00	..... to 2.00	2.00 to 2.50	Standard	..... to 2.00	1.50 to 3.00	..... to 2.00	1.00 to 1.50
1.00 to 2.00	2.00 to 3.00	..... to .....	..... to 2.00	2.00 to 2.50	Varities	..... to 2.00	1.50 to 3.00	..... to 2.00	1.00 to 1.50
2.00 to 3.00	3.00 to 4.00	..... to .....	..... to 3.00	3.00 to 4.00	White	..... to 3.00	5.00 to 6.00	..... to 3.00	3.00 to 4.00
2.00 to 3.00	3.00 to 4.00	..... to .....	..... to 3.00	3.00 to 4.00	Fancy	..... to 3.00	5.00 to 6.00	..... to 3.00	2.50 to 3.00
2.00 to 3.00	3.00 to 4.00	..... to .....	..... to 3.00	3.00 to 4.00	Varities	..... to 3.00	5.00 to 6.00	..... to 3.00	2.00 to 3.00
2.00 to 3.00	3.00 to 4.00	..... to .....	..... to 3.00	3.00 to 4.00	White	..... to 3.00	5.00 to 6.00	..... to 3.00	2.00 to 3.00
4.00 to 5.00	..... to .....	..... to .....	..... to .....	..... to	Yellow and var	..... to 3.00	5.00 to 6.00	..... to 3.00	2.00 to 3.00
.75 to 1.00	50 to 1.50	1.00 to 2.00	..... to 1.00	..... to 1.00	Pink	..... to 3.00	5.00 to 6.00	..... to 3.00	2.50 to 3.00
..... to	50.00 to 60.00	30.00 to 50.00	..... to 50.00	25.00 to 50.00	Red	..... to 3.00	5.00 to 6.00	..... to 3.00	2.00 to 3.00
..... to	10.00 to 20.00	30.00 to 50.00	..... to 35.00	25.00 to 50.00	Yellow and var	..... to 3.00	5.00 to 6.00	..... to 3.00	2.00 to 3.00
5.00 to 10.00	10.00 to 12.00	..... to .....	..... to 15.00	8.00 to 12.50	CARNATIONS	..... to 3.00	5.00 to 6.00	..... to 3.00	2.00 to 3.00
..... to .....	..... to .....	..... to .....	..... to .....	..... to	Novellas	..... to 1.00	1.00 to 1.50	..... to 1.50	1.00 to 1.50
..... to .....	..... to .....	..... to .....	..... to .....	..... to	ADIANTHUM	..... to 1.00	1.00 to 1.50	..... to 1.50	1.00 to 1.50
..... to .....	..... to .....	..... to .....	..... to .....	..... to	ASPARAGUS, Plum and Teo	..... to 20.00	30.00 to 50.00	75.00 to 50.00	25.00 to 50.00
..... to .....	..... to .....	..... to .....	..... to .....	..... to	" Sprenger, bunches.	..... to 20.00	30.00 to 50.00	20.00 to 40.00	25.00 to 50.00
..... to .....	..... to .....	..... to .....	..... to .....	..... to	CALLAS	..... to 12.50	18.00 to 15.00	10.00 to 12.50	10.00 to 15.00
..... to .....	..... to .....	..... to .....	..... to .....	..... to	CHRYSANTHEMUMS	..... to .....	..... to .....	..... to .....	..... to
8.00 to 10.00	12.00 to 15.00	20.00 to 25.00	..... to 15.00	10.00 to 12.50	DAISIES	..... to .....	..... to .....	..... to .....	..... to
2.00 to 4.00	3.00 to 4.00	3.00 to 4.50	..... to 4.00	3.00 to 4.00	GLADIOLUS	..... to .....	..... to .....	..... to .....	..... to
1.00 to 4.00	2.00 to 5.00	..... to .....	..... to .....	..... to	LILIES	..... to 12.50	18.00 to 15.00	12.50 to 15.00	..... to
..... to 12.50	..... to 15.00	..... to .....	..... to 12.00	15.00 to 20.00	LILY OF THE VALLEY	..... to 2.00	3.00 to 2.00	5.00 to 4.00	..... to 5.00
.35 to .50	.40 to .75	1.00 to 1.50	.25 to .75	.50 to .75	MIGNONETTE	..... to 2.00	6.00 to 1.50	5.00 to 2.00	6.00 to 5.00
..... to .....	..... to .....	..... to .....	..... to .....	..... to	SMILAX	..... to 15.00	15.00 to 20.00	10.00 to 12.50	..... to 12.50
..... to .....	..... to .....	..... to .....	..... to .....	..... to	VIOLETS	..... to .50	1.00 to .25	1.00 to .50	..... to .75
..... to .....	..... to .....	..... to .....	..... to .....	..... to .....		..... to .....	..... to .....	..... to .....	..... to .40

BOSTON, MASS. Asparagus Plumosus Killarneys Richmonds Brides, Maids American Beauties Keiserin WELCH BROS. PROPRIETORS CITY HALL CUT FLOWER MARKET 226 Devonshire Street. Carnots Orchids Valley Carnations Violets

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Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS EXCHANGE.

MADISON, WIS. The Wisconsin State Horticultural Society passed a resolution requesting that a bill be introduced into the next Legislature to establish a chair of plant pathology at the Wisconsin University. Another resolution was adopted, instructing the secretary to tender the congratulations of the society to P. K. Phoenix of Delavan, one of the pioneer nurserymen and fruit growers of Wisconsin, on the event of his eighty-third birthday.

LOUISA, VA.—The violet raisers of Louisa have had great trouble with aphids and other parasites on their plants, and the quality of the flowers is much injured and quantity nothing like so abundant as last season. Many of the growers are abandoning the industry.

NEW BEDFORD, MASS.—At a recent meeting of the Horticultural Society H. A. Jahn was awarded a silver medal for his new white carnation Lloyd. The society voted to hold a flower show in September next, the date of which will be announced later.

During the last cold snap one of the greenhouses of Wm. E. Mosher was badly frozen; he reports his loss well up in the hundreds. The house contained carnations, azaleas, etc. Horrico.

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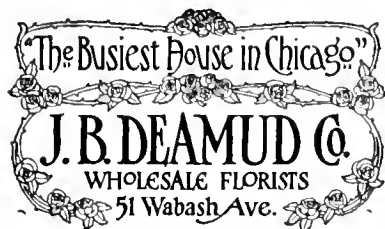
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CUT FLOWERS AND SUPPLIES

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NASHVILLE, TENN.—The Tennessee Horticultural Society elected the following officers for the ensuing year: President, R. A. Wilkes, Colleoka; vice-president for East Tennessee, W. H. Fox, Gravesville; Middle Tennessee, J. W. Garrett, Lawrenceburg; West Tennessee, W. P. Wade, Kenton; secretary and treasurer, Chas. A. Keffer, Knoxville.

HOLTON & HUNKEL CO.

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Wholesale Prices of Cut Flowers, Chicago, Feb. 19th, 1908

Prices quoted are by the hundred unless otherwise noted

Table with columns for ROSES (American Beauty, 36-inch stems, etc.), CARNATIONS (White, Pink, Red, etc.), and ORCHIDS (Fancy, The highest grades of Sta'd varieties, etc.). Prices are listed per hundred.

Violets

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CHICAGO, ILL.

Club News. There was a well attended meeting of the Chicago Florists' Club at Handel Hall on Thursday evening, February 13. President Leonard Kill presided. The report of the committee having in charge the procuring of quarters for the forthcoming exhibition and meeting of the American Rose Society in Chicago was received. The committee has secured the use of Blackstone Hall for the exhibition, and Fullerton Hall for the meetings, both in the Art Institute. Arrangements have been made for the admission of the public to the exhibition, both on the free day, and following days, and for the equitable disposition of the admission receipts when the Institute is not open to the public. The president announced his standing committees as follows: Finance—H. N. Bruns, chairman, Wm. Kidwell, George Asmus; transportation—F. E. Bentley, chairman; sports and pastimes—P. C. Schupp, chairman, George Asmus; good of the club—T. E. Waters, chairman, Ed. Emders, H. B. Howard. The following were nominated for membership: John Kruchten, John Schills, J. H. Pepper, Herman Schiller and H. C. Lenington, of Chicago, and L. G. Hening, of Blue Island. A motion that the sum of \$15 be placed in the hands of the Good of the Club committee for purposes of enter-

tainment at the next meeting was carried. Fritz Bahr, Highland Park, Ill., exhibited a fine vase of Lucille, a new seedling carnation, the result of a cross between White Cloud and a seedling of Prosperity. It is a beautiful white with a shell pink center, large flowers, with good stem and foliage. The president appointed Jas. S. Wilson, Andrew Benson, and W. J. Palinsky a jury of award, and after examination they scored the variety 85 points and recommended the certificate of the club. A motion was made and carried that the president appoint a committee of three to arrange for the entertainment of the officers and visiting members of the American Rose Society. August Poehlmann, who is the society's accredited representative, will act as the exhibition manager. News Items. Weiland & Risch have secured a tract of land adjoining the site of their greenhouses at Evanston, and are planning to erect a new range of greenhouses on the same soon after Spring. H. F. Halle is erecting a 25-foot conservatory at the rear of his Sheridan road store. Wm. Breitmeyer, Detroit, was in town on Monday, en route to the Springfield convention. J. H. PEARL. DENVER, COLO.—J. A. Valentine is on a trip to California.

Cincinnati.

News Notes.

We were in hopes that our city would escape a flood this February, but such does not seem to be the case. Valentine's Day, February 14, was the rainiest kind of a rainy day, and to-day, February 15, all small streams are out of their banks and churning toward the great Ohio at about ten miles an hour. The truck gardeners and some of the florists in Millerock Valley will be heavy losers, to say nothing of losses to families living in these immediate parts. Loss, distress and misery always go with these floods, and people living high and dry who have never seen them, have no conception of what they are like.

It rained all day St. Valentine's Day, but the retail florists never did more business for this occasion. The men were the buyers, and as all the men have at least one sweetheart, that sweetheart was not forgotten. The wholesale trade was only fair and all of us could have done better. Our stocks were quite large, and many carnations and violets were carried over. Carnations have surely been "it" as regards quantity this week; as Spring draws nigh we shall probably see more of them, for, with all our experts trying to teach the carnation new things, it is a Spring bloomer and always will be; but, with all that, it is the divine flower and graces all occasions, even if we have to sell it at job lot prices at times. But the queen of flowers—the rose—meets no better fate at times.

Our gripe subjects are all improving. J. A. Peterson is able to attend to business once more. R. P. Critchell is also on the mend, but he finds it difficult to use his feet—they are not mates at the present time.

C. J. Ohmer has opened a wire-work factory at 113 East Third street, with office at 114 East Third street. He has a large force of skilled workmen and is prepared to handle any kind of an order on short notice. Give him a trial and see. The firm name is Florists' Wire Design Company. We now have three wire-work shops—R. A. Betz, Frank Ball and the above.

I am in receipt of a souvenir album from Atlanta, Ga., compliments of Dr. Frank R. Howald. Atlanta is one of the busiest and handsomest cities in the South and the florist business is active there. The Atlanta Floral Company, of which Dr. Howald is the owner, does an exceptionally fine business, and grows the greater part of its flowers.

James Allan, of George & Allan, left for Boston Sunday evening, being called there by the death of his father.

C. J. Ohmer is home for a few days with a case of tonsillitis.

Later reports from up the river districts are very discouraging. The Ohio is rising fast and will pass the danger line before Tuesday, the 18th. At Cincinnati fifty feet causes all merchants in the bottoms to move. The truck gardeners, who at this writing, the 17th inst., are out of water, are removing all their holdups to places of safety, but the loss and suffering will be great. The weather this morning is favorable, but future reports are for rain and snow. E. G. G.

Baltimore.

News and Trade Notes.

There is an overabundance of good carnations and they have been, and are yet, a glut on the market. There is also an increase in surplus stock in almost everything but roses. Quantities of cut flowers were given to hospitals during the past week.

Major Richard M. Venable has resigned from the park board on account of ill health; in all probability ex-Mayor General Ferdinand C. LaTrobe, one of the present park commissioners will be selected as the next president of the board. Both Mayor Mahool and General LaTrobe are advocates of the Greater Baltimore Park System in accordance with the designs and suggestions of the Olmsted Brothers.

At the last meeting of the Florists and Gardeners' Club, the members discussed the advisability of holding a Spring show, but little enthusiasm was manifested. The committee is about to drop the idea of holding and maintaining a show during the National Sculpture Exposition, unless more encouragement is accorded the proposition. C. L. S.

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BRONZE GALAX, best quality \$8.50 case of 10,000.
GREEN GALAX, best quality \$7.50 case of 10,000.
DAGGER and FANCY FERNS, \$1.50 per 1,000.

Laurel Festooning, Boxwood, Sphegnum and Green Moss, Southern Wild Smilax Leucothoe Sprays, etc.



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Fancy or dagger, \$1.00 per 1000.
Extra fine **BOXWOOD**, \$8.00 per case.
Brilliant **Bronze or Green Galax**, \$1.00 per 1000 or \$7.50 per case of 10,000. **Wild Smilax** 50 lb cases, \$6.00. Fresh made **LAUREL FESTOONING**, 4c., 5c., and 6c. per yard.

Send us your orders and be pleased
LEUCOTHOE SPRAYS, bronze, or green, 40c. per 100. **Ground Pine**, 7c. per lb. or 5c. per yard.

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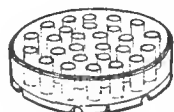
FANCY and DAGGER. Extra fine, \$1.50 per 1000. **BRONZE and GREEN GALAX**, \$1.25 per 1000, \$7.50 per case of 10,000. **LEUCOTHOE SPRAYS**, \$1.00 per 1000; \$7.50 per case of 10,000. **SPHAGNUM MOSS**, extra large bales, per bale, \$1.25. **BOXWOOD**, per bunch, 35c.; 50 lbs., \$7.50. **FANCY and DAGGER FERN** our specialty. A trial order will convince you that we ship only first class stock. Headquarters for Florists' supplies and wire work. All cut flowers in season.

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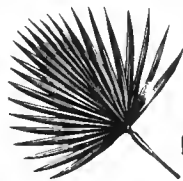
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New York.

News of the Week.

One hears these days quite a little talk on the subject of the cut flower supply of this city. The question arises quite often as to whether the increase in glass area has not been larger of late years than the augmentation in the demand for cut flowers would warrant. Taking the present season as a basis, there is no doubt whatever that the supply of cut flowers is in excess of the needs of the city, and such a thing as a general clean-up seems to be an utter impossibility. Of course, there are a great many flowers coming to the New York market this season that would not be here if business throughout the surrounding territory was normal. Many growers who in ordinary seasons find a good local trade that uses up most of their products, are this season sending their flowers here for the simple reason that their local trade does not materialize; they have to get rid of their products to the best advantage, and the New York wholesale market is the one that offers that opportunity, though it cannot be said to be a very good one this year at least.

It is with profound regret that we chronicle the death of William McManus, father of the well-known wholesale florist, James McManus, 42 West Twenty-eighth street. Mr. McManus was taken suddenly ill with bronchial pneumonia on Tuesday, February 11, and died on Friday morning, February 14, interment being in Calvary Cemetery on Sunday, February 16. Mr. McManus was born in County Cavao, Ireland, sixty-eight years ago and came to this country when a young man. In 1861 he enlisted in the United States Army and went through the Civil War. He leaves a widow, who at present is too ill to be informed of her husband's death, and two sons.

We have also to record the death of a well-known character in New York florist trade circles; namely, James Daly, better known to his many acquaintances as "Jimmie Roan," who died at his home, 419 East Seventeenth street, Friday morning, February 14, interment being in Calvary Cemetery on Monday, February 17. Mr. Daly had worked for James Weir's Sons, the Brooklyn florists, for over twenty-five years, and, with John Weir, had attended the flower markets almost daily during the whole of that period. At the time of his death he was forty-three years of age. He leaves a widow and two children.

John T. Withers will shortly leave for Minneapolis, Minn., where he will deliver a series of lectures on economic forestry, shade trees, etc. Mr. Withers calls attention to a slip in our report of his lecture before the New York Florists' Club. He does not recommend the

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Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

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beech as a street tree, but it is very suitable for lawns and small parks.

The Huntington Horticultural and Agricultural Society will hold its annual carnation exhibition on Tuesday, February 25, in the large school building, Huntington, L. I.

It is generally supposed that the beautiful Magnolia grandiflora, or, as it is called in Washington where it is planted so extensively, the hull bay, is not hardy in New York State, but we recently saw a specimen growing in Brooklyn that would seem to contradict the general impression relative to its hardiness. The tree referred to stands in front of the residence of Wm. Lemken, 679 Lafayette avenue, Brooklyn, and is a most beautiful specimen. At the present time it is some thirty feet high, with a trunk diameter of about five inches. It is of pyramidal shape and very symmetrical; in fact, a more perfect specimen we would not wish to look upon. The plant was brought from the South eighteen years ago and is planted directly in front of the house, having a full Southern exposure. It flowers every year; last season it carried twenty-five beautiful clusters. It would be interesting to know if there are any more specimens of this Southern favorite grown in near proximity to New York City.

Samuel B. Parsons, Jr., landscape engineer for the Park Department of New York City, has been invited as one of the speakers at the annual dinner of the New York Florists' Club, which will be held in the St. Denis Hotel next Saturday evening, February 29. Mr. Sheridan says the outlook for a gratifying attendance at the dinner is very bright. A most enjoyable time is assured, and all who intend being present should secure their tickets at the earliest opportunity.

The A. J. Fellouris Company has been incorporated with a capital stock of \$5,000. Directors, Antonio J. Fellouris, 245 East Thirtieth street; Spiro J. Loupy, 233 West 107th street, New York; Gabriel G. Malhami, 452 Fifteenth street, Brooklyn.

Buffalo, N. Y.

Club Notes.

The Florists' Club last week held a most enthusiastic meeting at the hall of Wm. F. Kastig; it was presided over by President Louis H. Neubeck. Twenty new applications for membership were received and accepted. The nomination of officers for the ensuing year resulted as follows: President, Charles Sandiford and Charles Reichert; vice-president, David Scott and George E. McClure; financial secretary, Emil Bruecker; treasurer, Wallace Eiss. The election will take place March 6 at Kastig's hall, 383 Ellicott street. Messrs. Cloudsley, Higgins and Grever are on the entertainment committee, and are making arrangements for the election banquet and entertainment on that night; they promise a good time for all.

Trade News.

St. Valentine's Day trade was the best in years. Violets were all sold out by noon; many of the dealers were caught unprepared for so large a demand for this flower, which is becoming more popular every year as a valentine gift.

Now that the members of the Florists' Club have awakened, things are expected to hum in the social line. Several of the members have suggested a progressive potra party to be held at Kastig's hall. He has offered the use of the hall gratis to the members for a social, which we are sure will be attended by a large crowd of florists. This will also give the ladies a good opportunity to become acquainted.

GLEN COVE, N. Y.—The Nassau County Horticultural Society held its regular monthly meeting February 12 at the Oriental Hotel. There was a large attendance. One new member was elected. In the competition for points the awards were as follows: S. J. Trepass for Cattleya Triana 89; H. F. Mayer, carnations, 84; Valentine Clereze, narcissus, 83.

Henry Matz tendered his resignation as treasurer of the society, as he intends going into business in Connecticut. He was given a vote of thanks for his services. E. J. Brown was elected unanimously to fill the vacancy. G. M. K.

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56 Pine St., New York
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

St. Louis. News Notes.

We had with us the past week the following traveling salesmen: A. Hans of Ghent, Belgium, selling palms, azaleas, bay trees and araucarias; Joseph Rülker of August Rülker & Sons, New York, looking after bulb orders; and Mr. Lempe, representing W. W. Barnard Company, Chicago, selling seeds, bulbs and taking advance orders for their famous holly.

John Steidle lost his big smokestack in last week's storm. Luckily it fell just right and no other damage resulted. He reported at the club meeting that all repairs had been made.

Harry Young's many friends in the trade will be pleased to learn that his title is now "grandpa"—the first in the family, so Harry says.

Charles Young, son of James Young, president of the C. Young & Sons Company, has selected Washington's Birthday for his wedding day. He will, on that day, lead to the altar Miss Katherine Courtney. Our best wishes are with the young couple.

Francis Fillmore and Carey Sanders, two of our oldest florists in the city, attended the club meeting last Thursday. Both are over eighty years of age and are enjoying the best of health.

William F. Adles, well known among the local trade and for many years with M. M. Ayers Floral Company on Grand avenue, died last week Tuesday after a short illness. The funeral took place Thursday afternoon from his mother's residence. He leaves a widow and child. Mr. Adles was formerly a member of the Florists' Club and of the Florists' Bowling Club. Quite a few in the trade attended the funeral.

C. C. Sanders, who was recently elected chairman of the executive committee of the St. Louis Horticultural Society, reports that the Spring flower show will be a much larger affair than last year. An admission of 25c. will be charged this year. Should the attendance be as large as last Spring, the show will be a great financial success.

Fred. Ammann of Edwardsville, in a speech at the Florists' Club last Thursday, invited all the members to attend the third annual meeting of the Illinois State Florists' Association, which takes place February 18 and 19 at Springfield. Ex-President H. C. Irish of the local club will read a paper on "Summer Bedding" during the afternoon. Twenty members were on his list to make the trip. W. N. Radd, E. G. Hill, G. A. Kuhl, W. C. Brown, A. T. Hey and A. C. Beal are all down for addresses. A good time is anticipated.

Club Meeting. The Florists' Club held its regular yearly carnation meeting on Thursday afternoon, and it proved to be the largest in point of attendance the club has ever had. Secretary Bentzen reported that, including the visitors, over fifty were present. The local carnation growers outdid themselves in making exhibits and in the quality of the blooms they staged; better displays were never before seen at any of our carnation meetings.

Among those who exhibited new varieties were The Chicago Carnation Company, Joliet, Ill., a large vase of Andrew Carnegie; Richard Witterstaetter, Cincinnati, O., a grand vase of Afterglow; Stevenson Brothers, Govanstown, Baltimore, Md., a splendid vase of Splendor; and the St. Clair Floral Company, Belleville, Ill., a vase of their new pink seedling No. 20, a cross between Mrs. T. W. Lawson and Mrs. E. A. Nelson. Those, of course, were the center of attraction. Of our local carnation growers, who were out in full force, among those who exhibited standard varieties for prizes were James W. Dunford, Clayton, one vase each of Aristocrat, Rose Pink Enchantress, White Perfection and Enchantress; Pierre Schneider, Kirkwood, one vase each of Lady Bountiful, Mrs. T. W. Lawson, Enchantress and Rose Pink Enchantress; J. W. Pilscher, Kirkwood, a fine vase of Beacon; Henry Johan, Collinsville, a vase of well-grown Aristocrat; Chas. Beyer, vase of Enchantress; J. F. Ammann, Edwardsville, one large vase of mixed varieties; E. W. Guy, Belleville, vase each of Lady Bountiful and Rose Pink Enchantress; and John Steidle, two large vases of mixed varieties.

The meeting was promptly opened by President Young, with all his assistants present. The Pottery Committee reported through Chairman Sanders that \$2,000 had been subscribed to date, and that

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they would report at each meeting until the time expired in May. The club's trustees reported that the club had to look for new meeting rooms, as the present building was to be closed for repairs in May. They were instructed to look for new quarters and report at the next meeting. The treasurer was instructed to pay the first 20 per cent. call on the subscription for the National Flower Show. A letter was received from the secretary of the St. Louis Horticultural Society asking the support of the members for its Spring flower show, to be held next month; this was referred to the trustees, who will act on the matter. On motion, the club's yearly rose meeting will be held March 12, at which growers of new varieties will be asked to make exhibits. President Young appointed F. W. Ide, A. J. Bentzen and F. J. Fillmore as judges of the flowers on display; they reported as follows: Best Rose Pink Enchantress, J. W. Dunford, first; E. W. Guy, second. Best vase white, J. W. Dunford, first with White Perfection; Pierre Schneider, second with Lady Bountiful; E. W. Guy also with Lady Bountiful. Red, W. J. Pilscher, Aristocrat, J. W. Dunford, first; Henry Johan, second. Mrs. T. W. Lawson, Pierre Schneider, Enchantress, J. W. Dunford, first; Pierre Schneider, second, and Charles Beyer, third. In the mixed vases, which contained very fine quality blooms, J. F. Ammann was first; John Steidle, second and third. Of the new varieties on exhibition Witterstaetter's Afterglow received the club's certificate of merit; Splendor, Andrew Carnegie and Seedling No. 20, honorable mention.

The question box contained inquiries, nearly all of which pertained to carnations. After adjournment supper was served at which forty were seated. Next month the rose meeting will be followed by a similar event. ST. PATRICK.

Kalamazoo.

News Items. For cold and storms the present month creates a record for this Winter and several others past likewise. In fact thus far storm has succeeded storm, the intervals being zero temperature and as low as 19 below zero being reached on the morning of the 8th.

Funeral work has been extremely brisk and a fair amount of shipping trade is done, so it is not quite as bad as it might be. Lincoln's Birthday and St. Valentine's Day also brought some extra demand, the latter especially being marked. Stock increases in quantity a little each week, but not sufficiently to reduce values perceptibly. Violets are, however, in abundance and cheap, so that a great many are disposed of daily.

G. Van Bochove & Brother are figuring for the erection of another addition to their Rose Hill plant the coming season. James Fraser at Mountain Home Cemetery reports business as averaging up pretty fair so far, and is preparing for a big bedding plant trade this Spring.

The Central Nursery Company is cutting sweet peas and violets of fine quality which sell readily at sight. The firm also reports orders for nursery stock, etc., in excess of last year.

Mr. Krill of the Prudential Nursery Company likewise reports the nursery business brisk. S. B.

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Detroit.

Trade Notes. Business is considerably improved with steady prices at wholesale and retail. A good deal of funeral work and several large banquets helped to make the stock move more lively. The visit of Secretary Taft also called for a considerable lot of flowers.

Valentine's Day, while anything but propitious for buyers from the weather point of view, exerted its old-time influence and helped us to dispose of many floral gifts. Spring flowers and violets were first in line.

Chas. Warnke, Woodmere, broke his leg on February 5, but is now slowly on the way to recovery. FRANK DANZER.

FREEWATER, ORE.—A horticultural society has been permanently organized here and will be called the Milton-Freewater Horticultural Society. Following are the officers elected: President, T. L. Ragsdale; vice-president, C. E. Simons; secretary, D. C. Sanderson; treasurer, W. Forsythe; directors, A. Tanke, E. P. Jensen and Howard Evans. A series of meetings is to be held in the near future in Milton, Tum-a-Lum grange, Ferndale and Bienville hall, in the interests of horticultural education.

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BEATRICE, NEB.—A local daily in a recent issue, gives an interesting illustrated account of the establishment of the Dole Floral Company, which was started in 1891, "with a capital investment of \$175 and an old hotted sash," located on West Mary street, West Beatrice, until 1905, when, becoming cramped for quarters, the firm purchased seventeen acres of land on North Fifth and moved their greenhouses there. The greenhouses were enlarged and now occupy 10,000 square feet of space. Another palm house, 35x100 feet, is to be built this Spring.

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REDLANDS, CAL.—George G. Southard, a nurseryman, has decided to establish in the city a nursery for growing Luther Burbank's spineless cactus. Mr. Southard has made a study of the thornless cactus and has been conferring with Mr. Burbank on the subject. He believes that from the showing the cactus has been making in recent years the plant will in a few more years become one of the leading food products for cattle and other stock and that there will be a demand for the plants for use on the desert.

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LITTLE ROCK, ARK.—The directors of the Arkansas State Floral Society met recently to make preliminary arrangements for next year's flower show. Applications are already coming in from exhibitors for a place in the next show.

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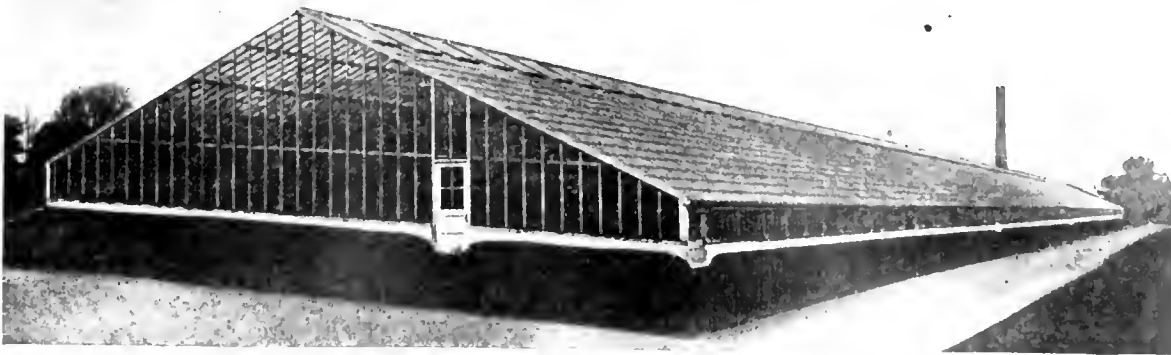
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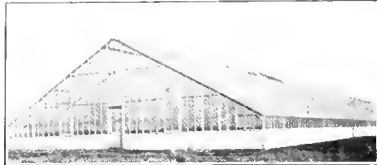
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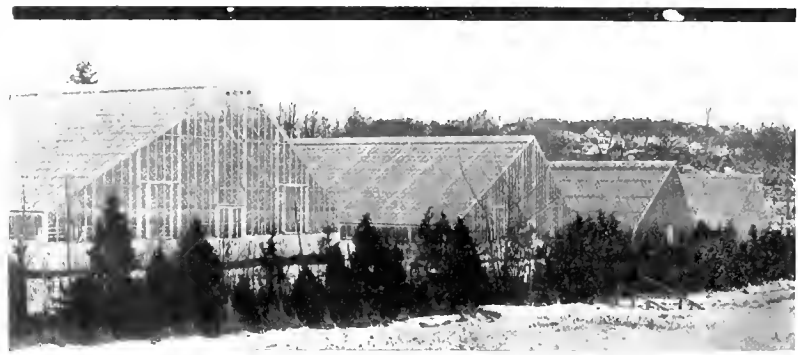
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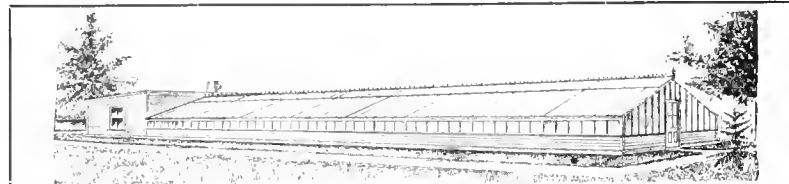
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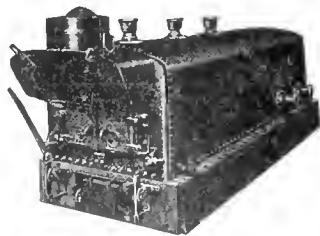
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VOL. XXV. NO. 9

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DAVIS PERFECT CUCUMBER

I have a quantity of fine stock of this seed to offer the trade. When first introduced, I secured a quantity of the seed from the introducer and from the crop I grew, selected the finest for stock seed. From this I grew the seed I now have to offer. Let me make you prices.

My contract list for 1908 on the finest specialties in vine seeds will be ready in a few days. If you wish quotations, let me know.

D. V. BURRELL, Rocky Ford, Colorado

Landreth's Seeds

NONE are BETTER

Try Landreth's Red Rock Tomato, the best Large Red Sort
Wholesale price \$2.75 per pound.

Or Shipper's Pride Cantaloupe, \$1.20 per pound.

BLOOMSDALE SEED FARMS, BRISTOL, PA.

CAULIFLOWER SEED

We are now prepared to furnish the best strain of Cauliflower Seed in the world—grown in Denmark and personally selected by Mr. Gundestrup during his recent visit to that country.

KNUD GUNDESTRUP, 4273 Milwaukee Ave., CHICAGO

Conway's White Branching Aster

The flower is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season till late. Considered by the leading florists to be the best and most profitable flower ever grown.

Trade Packet \$1.00, Half-Ounce \$3.00, Ounce \$5.00

Cash with order please

F. A. CONWAY & CO. INDIANAPOLIS, IND.

QUALITY BEST GLADIOLUS PRICES LOWEST

	Per 100	Per 1,000	
AMERICA. The finest pink; cannot be beaten	\$7.00	\$60.00	All bulbs are guaranteed sound and the very best in the market.
AUGUSTA. white	2.00	17.50	
MAY. white and rose	1.75	15.00	Special low prices on all other Spring bulbs, plants and roots.
BRENCHLEYENSIS. Brilliant scarlet	1.50	10.00	
WHITE and LIGHT. The finest in the country.	1.50	12.00	
UNCLE SAM. Extra fine, all colors	1.00	9.00	

F. W. O. SCHMITZ, Prince Bay, N. Y.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

THINKING

of new effects for your Easter sales? Let us help you. Nothing makes Flowers so attractive as the big ribbon bow of some perfect blend or startling contrast. The new shades of ribbon now weaving on our looms are wonderfully attractive. The Coral and Geranium shades—the Mountain Rose and American Beauty colors—the golden and melon tints—the foliage hues—these are colorings not heretofore used, but which combine exquisitely with flowers and plants. We weave these colors in our many standard grades. Satin, Taffeta, Messaline, etc.

The prices are no higher than our regular qualities, and these, as you know, are lower in price than what these ribbons are sold for elsewhere, for you buy direct from the mill and

SAVE ALL BETWEEN PROFITS

The Pine Tree Silk Mills Company
Philadelphia

Office and Salesrooms: 806-808-810 ARCH STREET
Address Dept. E, 52-54 N. EIGHTH STREET

A postal brings samples of these new colors. They cost you nothing.



ESTABLISHED 1802

Send for our wholesale list of seeds for Florists and Market Gardeners, ready in a few days.

GLADIOLUS PRIMULINUS

\$8.00 per doz.; \$60.00 per 100

PRIMULINUS HYBRIDS

\$3.00 per doz.; \$20.00 per 100

J. M. THORBURN & CO.

33 Barclay St., through to
38 Park Place, New York.

Everything of the highest grade.

—Established 1824—

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

Tel. 4235 Gramercy NEW YORK CITY

NEW CROP

FLOWER SEEDS

Verbena Mammoth, in colors or mixed,
1/4 oz. 30c., oz. \$1.00.

Salvia Splendens, 1/4 oz. 35c., oz. \$1.25.

Salvia Bonfire, 1/4 oz. 75c., oz. \$2.50.

Lily Valley, Early Foreing, to close out,
per 1000, \$11.00.

Fresh Tobacco Stems, Bale of 300 lbs.
\$1.50.

W. C. BECKERT, Pittsburg, N. S., Pa.

PANSIES

THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses. All transplanted. A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500. PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce.

Cash with order.

E. B. JENNINGS,

Lock Box 254, SOUTHPORT, Conn.

Grower of the Finest Pansies

W. & D.'S SPECIALTIES FOR 1908

Tomato, "The Don," best for forcing. Cauliflower, First and Best. Onion, Alisa Caul. Lettuce, "ideal," unequalled for indoor purposes. Mushroom Spawn, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready. Free on application. WEEBER & DON, SEED MERCHANTS AND GROWERS
114 Chambers St., NEW YORK

TUBEROUS BEGONIAS

LARGE PLUMP BULBS FROM A PRIZE STRAIN

DOZ.	100	1000
SINGLE MIXED	\$0.30	\$2.00 \$18.00
SINGLE SEPARATE COLORS	.35	2.25 20.00
DOUBLE MIXED	.50	3.50 33.00
DOUBLE SEPARATE COLORS	.60	3.75 35.00

GIANT GLOXINIAS

DOZ.	100	1000
CHOICE MIXED	\$0.50	\$3.25 \$30.00
SEPARATE COLORS	.60	3.50

COLD STORAGE VALLEY
Highest Quality, special offer to reduce Surplus Stock. \$1.25 per 100, \$11.50 per 1000, \$100.00 per 10,000.

Write for Florists' Wholesale List.
JOHNSON SEED COMPANY,
217 Market Street, Philadelphia, Pa.



Stock Seed

GIANT BRANCHING
85% to 90% Double Flowers
Pure White
1 1/2 oz. 75c.
Oz. \$5.00

Other Colors, 1/2 oz., 60c.; oz., 4.00

H. E. FISKE SEED CO.
12 and 13 Faneuil Hall Sq., BOSTON, MASS.

S.M. ISBELL & CO.
JACKSON, MICH.

CONTRACT SEED GROWERS
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn
Correspondence Solicited
Write for Prices on Surplus Stocks for Immediate Shipment



Colored Vegetable
SEED BAGS

LARGE STOCK ALL VARIETIES
Rush orders shipped day received

IRVING, IESHER & IVLY CO.
RICHMOND, VA.

HYDRANGEA and PRIVET CUTTINGS

HYDRANGEA CUTTINGS \$3.00 per 1000.
PRIVET CUTTINGS \$1.35 per 1000.
THE ELIZABETH NURSERY CO., ELIZABETH, N.J.

C. C. Morse & Co.
SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 43 to 65 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara, Farms and Farm Headquarters, Carmadero, near Oroloy.

BURPEE'S SEEDS

PHILADELPHIA
Blue List of Wholesale Prices mailed only to those who plant for profit.



A. MITTING
Calla Lily Bulb Co
WHOLESALE
17 to 23 Kennan Street
Santa Cruz, Cal.
U. S. A.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
George S. Green, Chicago, Ill., president; M. H. Durycia, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

A bill has been introduced into the Maryland State Legislature providing for the inspection of seeds. It was offered by Mr. Duvall of Anne Arundel County.

Import of Seed.—February 18.—J. M. Thorburn & Company, eight packages seed; H. Nungesser & Company, 43 bags grass seed; Rickards Brothers, 21 bags grass seed; W. E. Marshall & Company, 16 bags grass seed; McIntosh & Company, 123 packages plants; H. F. Darrow, 14 cases plants; F. B. Vandegrift & Company, 19 packages seed, etc. February 19.—Peter Henderson & Company, one case seed. February 20.—Peter Henderson & Company, 27 packages seed; W. R. Huntington, three boxes bulbs; G. W. Sheldon & Company, 19 packages plants; J. M. Thorburn & Company, 20 packages seed; H. Frank Darrow, 81 packages lily of the valley pips; Peter Henderson & Company, two packages flower seed; J. W. McCullough's Sons, six bags seed; F. G. Mills, one case seed; H. Phillips Seed Company, one case seed; S. Stern, eight cases lily of the valley pips.

THE IOWA PURE SEED LAW.—This law went into effect July 4, 1907. The following information regarding same is furnished for the guidance of all concerned:
"This law, which is quite stringent, forbids the sale, or offering for sale, of any agricultural seeds that are below a certain high standard of purity and germination, and places a heavy penalty on any one selling it, if it contains certain weed seeds. The exact per cent. of impurities contained in said seeds must be stated on the outside of the bag, with each sale of one pound or more. The law applies to all kinds of clover, grass seed, and farm seeds, including seed corn, oats, wheat, cane, etc. It names seven varieties of weed seeds that are absolutely forbidden to be contained in any seeds and also mentions fourteen other weed seeds, which are permitted only in small amounts; the total of all of these combined must not amount to more than 2 per cent. Seeds sold must be up to a high standard of purity. In

What You Want Now

BEGONIA Single Tuberos Rooted

Per	Per	Per
12	100	1000
In separate colors, white, blush, rose, yellow, orange, scarlet, crimson	\$0.35	\$2.50 \$22.00
All colors mixed	.30	2.25 20.00

BEGONIA Tuberos Rooted Double

Per	Per	Per
12	100	1000
In separate colors, white rose, scarlet, crimson, yellow and orange	.60	4.50 40.00
All colors mixed	.55	4.00 38.00

CALADIUM ESCULENTUM
(Elephant's Ears) With fine center shoots

5 x 7	.30	2.00	18.00
7 x 9	.50	3.50	30.00
9 x 11	.75	5.00	
11 x Monster	2.00	12.00	

CALADIUM Fancy Leaved
Fine for decoration, centers in fern-dishes and vases. Our named sorts contain the most brilliant colors.

1.50	10.00
Mixed sorts	1.25 8.00

DAHLIAS, Whole Roots, Field

Named Cactus, fine assorted	2.00	15.00
Decorative and Show	1.25	8.00

GLOXINIAS

In separate color, white, red, tigered, blue, violet. Named	.50	3.75
All colors mixed	.45	3.00

Send for our 1908 List Address **70 WARREN STREET H. H. BERGER & CO. NEW YORK CITY**

GLADIOLUS

Per	Per	Per
12	100	1000
America, New Rose	\$1.00	\$7.00 \$60.00
Augusta, Pure White	.35	2.50 20.00
Brenchleyensis, scarlet	.25	1.25 10.00
Success Mixture, all White and Light	.30	1.75 15.00
Berger's XXX Mixed Gladiol, all colors	.25	1.25 10.00

IRIS KEMPFFERI
White, blue and purple, red and maroon, or variegated in separate colors 1.50 10.00

LILIES

Per	Per	Per
12	100	1000
Auratum, 8-9	.75	5.00
9-11	1.25	8.00
Ruhrum, 8-9	.85	6.00
9-11	1.25	8.00
Alhgm, 8-9	1.25	8.00
9-11	2.75	12.00
Magnificum, 8-9 New sort, Speciosum type. White with dazzling carmine red stripes and spots	1.50	10.00

TUBEROSES

Per	Per	Per
12	100	1000
Dwarf Pearl, 4 x 6	.20	1.00 9.00
2nd size	.10	.60 5.00

SEEDS
Asparagus Plumosus Nanus
Northern Greenhouse Crop, TRUE, per 100 50c., per 1000 \$3.50, per 5000 \$15.00.

Fresh ASTER, all sorts, Petunia, Salvia, Bellis, Sweet Pea, Centaurea, Carnations, Stocks, in BEST quality.

Vick Quality Asters

INTRODUCED BY US GROWN EVERYWHERE

SEND FOR OUR NEW Illustrated and Descriptive Aster Book for Florists

It describes in detail, not only the varieties originating with us, but also all other leading sorts.
The largest and handsomest work of its kind ever issued.

EVERY FLORIST OUGHT TO HAVE
Vick's Wholesale Catalogue
which gives prices on all the best varieties of flower and vegetable seed; plants for greenhouse and outdoors; splendid assortment of bulbs.

Both of these catalogues are free.

JAMES VICK'S SONS
ROCHESTER, N. Y.
The Leading Specialists and Largest Growers of High-Grade Asters in the World.

How to Grow Asters, Revised
Full of information for Aster Growers.
Price 10c.
Free with an order of Aster seed.

FLORISTS' NOVELTY COLLECTION
Six of our latest introductions including Sunrise (New) and Early White Branching (New).
Price
Vick's Early White Branching \$0.25
Vick's Imperial Aster Sunrise .25
Vick's Violet King .20
Vick's Cardinal .25
Vick's Lavender Gem .25
Vick's Rosy Carmine .25
How to Grow Asters .15
\$1.55

All of the above, including our "Aster Book for Florists" for 90c.

Gladiolus "America" FOR FORCING

Strong bulbs, \$60.00 per 1000.
Florists' white and light, mixed, \$12.00 per 1000.
Iris Kaempferi, named, \$50.00 per 1000.
Iris Kaempferi, mixed, \$30.00 per 1000.
Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.
Phoenix Roebeleni seedlings, \$4.00 per 100.
Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for Illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

some cases the law calls for 99 per cent. purity and 94 per cent. vitality, so that low grade seeds will hereafter be practically unsalable. In some varieties of seeds, if there is more than 5 per cent. of other seeds mixed with them, they are deemed to be adulterated and their sale is forbidden.

It seems to be the opinion of some that the law applies only to seed dealers, but this is not the case, as seeds sold by country merchants and farmers will have to stand the test of the law, and if an inspector finds seed being sold which does not come up to grade or comply with the requirements, the party selling the seeds is subject to a fine of \$100, no matter if the seed was of his own growing, unless it is sold to some person who comes to the farm where the seed was grown, and purchases it there. A farmer cannot deliver it to a neighbor unless it conforms to the law, nor ship it out by freight to any one in Iowa except to a dealer in seeds who will be obliged to reclean it before selling it.

Hon. H. R. Wright, the State food and dairy inspector, of Des Moines, is charged with the enforcement of the law, and he has six inspectors traveling over the State, whose duty it is to see that the law is strictly enforced.

BELLINGHAM, WASH.—The enterprising citizens of Bellingham have undertaken the work of securing a permanent government bulb farm for that city. They have interested farmers and business men in the proposition, and raised sufficient funds for purchasing a site for the new industry. That was done at the suggestion of representatives of the Department of Agriculture at Washington, and was considered a donation for the establishment of the farm. Different sites have been examined by experts, and pronounced not suitable for the purpose. With that report the work has been temporarily dropped, and there is considerable dissatisfaction among the people giving money and time to the enterprise. Bellingham has long ago demonstrated its possibilities as a place for growing various commercial bulbs. For years an experimental garden has been kept up at great expense, and the results have been highly satisfactory. The bulb producing work has passed beyond the experimental stage. It has been shown that superior bulbs, such as florists annually import from Holland, can be grown in Whatcom County. There is a combination of soil and climate that insures success. The transportation facilities are all that could be desired.—Seattle Post-Intelligencer.

THE ADULTERATION AND MISBRANDING OF AGRICULTURAL SEEDS.—The United States Department of Agriculture has issued Circular No. 26 concerning the adulteration and misbranding of alfalfa, red clover, and grass seeds, wherein the names of firms and individuals who have supplied the Department with adulterated seed are published, together with the percentages of the various adulterant materials in each instance.

In the case of red clover 1,217 samples were secured in the open market of which 405, or one-third, contained seed of dodder, 424 contained traces of yellow trefoil seed, and 155 bore evidence of having originated in Chili. The highest percentage of adulterants found in red clover seed was 27.27, the foreign materials being green foxtail and German millet. Burkhorn was also present in some samples.

Of 330 samples of alfalfa seed secured, 191, or about one-half, contained seed of dodder, 135 contained a trace of yellow trefoil seed, 120 contained a trace of sweet clover seed, and 16 contained a trace of bur clover seed. The highest percentage of adulterant (yellow trefoil) in alfalfa was 11.29.

With respect to meadow fescue seed, of the 64 samples obtained, 20 contained chaff in amounts varying from a trace to more than 19 per cent., 4 contained seed of rye-grass, 4 were misbranded, being Canada blue-grass, 1 was misbranded, being orchard grass, and another was misbranded, being a mixture of orchard grass and fescue.

Of the 55 samples of *Bromus inermis* seed obtained, 15 contained seed of cheat, or chess, 28 contained from 2 to 3 per cent. of seed of the wheat-grasses, several contained seed of meadow fescue, and one contained more than 24 per cent. of meadow fescue and rye-grass seed together.

Of the 129 samples of Kentucky blue-grass seed obtained, only 8 were found to be free from any trace of Canada blue-

grass. In most of these samples the trace of Canada blue-grass found was immature seed, showing that it was harvested with the Kentucky blue-grass seed. The seeds of the two plants not ripening at the same time, it is improbable that mature seed of Canada blue-grass would be harvested with Kentucky blue-grass seed. In 110 samples, however, Canada blue-grass seed was found in quantities exceeding 5 per cent., 32 of these being Canada blue-grass seed misbranded as Kentucky blue-grass seed.

It is worthy of note that among the names listed are those of several well-known seed houses. The circular adds: "As has been previously stated in these publications, this Department will examine and report promptly as to the presence of adulterants and dodder in any samples of seed submitted for that purpose." This opportunity should be more taken advantage of than it evidently is; then, probably, the long list of names published as supplying adulterated seed would be considerably curtailed, and public censure and condemnation thereby greatly avoided.

Seed Trade Notes.

As regards the mail-trade, it is about the same as during the last weeks of January. The wholesale orders to the larger houses are in good volume, and the best feature of the seed business of the week.

There would seem to be a very general stiffening of contract seed rates for crops to be planted the coming season; this is very apparent from the fact that while the growers are very generally calling upon their trade, as is usual at this season, they (the growers) are not forcing matters with low prices. One reason for this would most assuredly seem to be that a general feeling pervades everyone interested in seeds that the average prevailing rates obtained for some years past have been entirely too low. Another reason why seed contracts for 1906 sales are not being forced is the fact that almost all our growers have sold more or less heavily from their reserve seed planting stocks at the present attractive high rates. The growers therefore feel that to take care of their regular trade will be about all they can comfortably do, without pushing for many extra orders.

As has been expected would be the case, many varieties of seeds are already running low, or entirely sold out with many seedsmen. I refer to such things as Country Gentleman sweet corn, Chinese giant pepper, Southport white globe onion, several varieties of lettuce, and a few other items in both the vegetable and flower seed lists. We shall be obliged to push the sales of other standard sorts; there is a total quantity of seeds among the trade amply sufficient to go around, but a few varieties cannot be expected to stand the whole brunt of the business. V.

European Notes.

It is a cheering sign of a revival of prosperity on your side that quite a rush of contract orders has reached us during the past ten days. The wisely conservative spirit which animated purchasers in making arrangements for 1905 crops is strongly to be commended, but it grieves us to have to turn down the orders emanating from such reliable sources. At the same time we cannot do otherwise so far as biennial crops are concerned.

Since the stock seed for brassicas was put into the ground it has met with nothing but disaster, the result being that the acreage now standing is not more than one-fifth of the average. Even now we do not know that the acreage left standing is safe, for if one severe frost should follow the present warm spell, fully one-half of the acreage would be destroyed. Of course the opening up of the Puget Sound cultures has also helped to diminish our plantings.

Beets also are in very great demand, showing that the heavy surplus of 1904-05 has been worked off. If the plants have kept sound in the silos, a very fair crop may be looked for; but this culture is more or less in peril until harvested. Forage beets, although damaged in some places by frost, are, in general, satisfactory; the warm weather during the past ten days has improved them wonderfully.

The heavy crops of some of the later peas last year (50-60 bushels per acre)

have left a larger surplus than was anticipated. It is probable that the falling market for grain will cause market growers to plant peas once more even at this late date, and in this way the surplus may be reduced to reasonable proportions. At the same time, as the samples are on the whole, good, dealers on your side who supply an early market might find it to their advantage to invest in serviceable varieties.

Visitors to London for the annual meeting of the Royal Horticultural Society were treated to magnificent displays of *Primula sinensis* by Cannell, Sutton and Veitch. It was admitted on all hands that the quality of these exhibits has never been excelled.

Sutton & Sons also made a fine display of potatoes, more than 100 different varieties being staged in perfect condition. One shudders to think what the results would be if some of the labels got mixed.

A most interesting feature of Messrs. Sutton's exhibit was a case containing many varieties of solanums, more or less allied to the useful if humble tuber which adorns the table of rich and poor alike. Some of these promise to be of great commercial value in the near future. A paper on the subject of solanums is to be read by Arthur W. Sutton, V. M. H., at the next meeting of the Linnean Society.

The worthy secretary of the Royal Horticultural Society was justly proud when he reported that his beloved society has now more than 10,000 Fellows on its roll and the cry is, "still they come." EUROPEAN SEEDS.

CATALOGUES RECEIVED.

S. J. McMICHAEL, Findlay, O.—Wholesale Trade List of Vegetable, Greenhouse and Bedding Plants.

JAMES KING NURSERY, Elmhurst, Ill.—Price List of Peonies; this firm has 50,000 plants in choice varieties.

ROSS BROTHERS Wichita, Kan.—Illustrated Catalogue of Field, Vegetable and Flower Seeds, Supplies, etc.

S. L. LAMBERD COMPANY, Baltimore, Md.—Illustrated Catalogue of Farm Machinery, Seeds, Fertilizers, Buggies, etc.

CONNOR FLORAL COMPANY, Hamilton, Ont.—Wholesale Price List of Bedding and House Plants, Roses, Shrubs, Vines and Perennials.

EASTERN NURSERIES (M. M. Dawson, Manager), Jamaica Plain, Mass.—Wholesale Trade List of Evergreens, Trees and Shrubs, Vines and Climbers, Hardy Herbaceous Plants.

MOORE & SIMON, Philadelphia, Pa.—Catalogue of Vegetable and Flower Seeds, Bulbs, Small Fruits, Tools, etc. Cosmos Lady Lenox, and Moore's New Early Pink Tomato figure as cover designs.

GOLD MEDAL "LONG BRANCH" SEEDLING CANNA

A cross between Queen Charlotte and Italia, tough, leathery, green foliage. The flowers resemble a giant flowering Queen Charlotte in the Orchid-flowering class, being bright crimson with wide, irregular border of yellow. Exhibited at Jamestown, where we were awarded a Diploma and Gold Medal. Price 30c. each, \$3.00 per doz., \$25.00 per 100.

NEW "NEIL CAMPBELL" SEEDLING CANNA

Of special worth on account of its color, which is a deep orange yellow. Good size flower and very free and early. Foliage is dark purple and with the orange flowers make a fine show. Price 30c. each, \$3.00 per doz., \$25.00 per 100.

W. G. EISELE, West End, N. J.

CANNAS

Fine stock, all good, 2 and 3 eye, 10,000 mixed Cannas, all green-leaved varieties, \$15.00 per 1000.

J. E. Sambrook Co., - Berlin, N. Y.

DAHLIA ROOTS

Strong field grown, all good cut flower varieties. Also KALMIAS and other native plants.

J. M. BASSETT, Hammonton, N. J.

Surplus Holland Plants

at Greatly Reduced Prices

Roses Dwarf H. P., Hybrid Teas, Standards.

Rhododendrons Parsons, Catawbiense.

Azaleas Mollis, Pontica (hardy Ghent)

Boxwood Bush form, pyramid, standard

H. M. HARDYZER, Boskoop, HOLLAND

American Agent:

H. FRANK DARROW

P. O. Box 1250, NEW YORK

If you prefer the finest and freest flowering

Tuberous Begonias

send your order for BULBS to

T. H. Haertjens, Overmeire, Ghent, Belgium

We also are large growers of Araucarias, Kentias, Cocos Wed., Phoenix Roebelenii, etc.

Established 1800

POAT BROS.

(Formerly of Ettricks, Va.)

BULB GROWERS

HIGHLAND PARK

RICHMOND, VA.

NARCISSUS, TULIPS, IRIS

PAEONIES, CROCUS

SEND FOR CATALOGUE

CUT FLOWERS

FROM MARCH TO MAY

GLADIOLUS BULBS

100,000 from 11 inches up at \$4.00 per 1000, 100,000 1 to 11 inches at \$2.00 per 1000. Cash with order. Description given on request. Nice block of CALIFORNIA PRIVET, \$10.00 per 1000 and up as to quality, write for particulars.

Nice lot of AMERICAN CHESTNUT TREES at a bargain 35 large SUGAR TREES, most of them sample trees.

I. & J. L. LEONARD, Iona, N. J.



FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 10c. in postage stamps. Address American Spawm Company, St. Paul, Minn.

CLEARY'S HORTICULTURAL CO.

AMBROSE T. CLEARY, Management
WHOLESALE, JOBBING, CONTRACTING,
AUCTION, HORTICULTURAL PRODUCTS

62 Vesey Street, New York
Telephone, 7313 Cortlandt
Correspondence Solicited. Surplus Stock
Converted

TWELVE ACRES OF PEONIES

FESTIVA MAXIMA, \$20.00 per 100;
QUEEN VICTORIA, WHITTELEY, \$9.00 per
100; FRAGRANS (Late Rose), \$6.00 per
100. For 1906 rates and other varieties,
write

GILBERT H. WILD, SARCOXIE, MO.

DREER DAHLIAS

We can still furnish in strong undivided field-grown roots the following varieties of Dahlias. All of these are first-class sorts of their respective types and colors and strictly true to name.

Varieties specially suited for cut flower purposes are marked with an asterisk (*)

CACTUS DAHLIAS

- *Albion. A large, long straight petalled pure white flower with creamy centre of approved form... \$2.50 \$15.00
*Aegir. Rich, warm cardinal-red, with peculiarly twisted petals... 1.00 8.00
*Amos Perry. Flowers very large, with long, tubular petals. Color fiery red, one of the earliest and freest flowering... 2.50 15.00
*Attila. Tender mauve pink on the edges passing to a creamy white centre; a beautiful Dahlia of large size and excellent form... 2.50 15.00
*Alt Heidelberg. Fine orange-scarlet... .85 6.00
*Arachne (The Spider Dahlia). White edged crimson with peculiarly twisted petals; very variable... .85 6.00
*Bessie Mitchell. A fine flower on stiff stems, apricot orange shading to a reddish centre... 1.25 10.00
*Coronation. Glowing red; a medium-sized flower of fine form; splendid for cutting... 2.50 15.00
*Comet. Delicate lilac, pencilled, spotted and striped with tyrian rose... 1.25 10.00
*Carmen Sylva. Soft, rosy-carmine, shading lighter to the centre... 1.25 10.00
*Charm. Centre petals white-edged with pale yellow, the outer petals gradually changing to a light bluish edged with salmon... 1.25 10.00
*Chira G. Stredwick. A splendidly formed flower of very large size, color shrimp pink shading to salmon-red in centre... 1.25 10.00
*Capstan. Soft orange-scarlet, shaded apricot, remarkably free flowering... 1.00 8.00
*Coronopia. Vermillion with carmine shadings, long, narrow petals... 1.00 8.00
*Dainty. Ground color lemon-yellow, shading to a soft, glowing gold rose with tip of yellow; truly dainty... 1.25 10.00
*Else. A charming variety, with a combination of delicate colors. The base of the petals is of buttercup-yellow, gradually passing to amber, finished with a tip of tyrian rose... 2.50 15.00
*Earl of Pembroke. Bright plum color; a royal shade... 1.00 8.00
*Equisite. Fine pure orange-scarlet with salmon shadings... 1.00 8.00
*Firebrand. Rich, glowing vermilion, shading deeper... 1.00 8.00
*F. A. Wellesly. Brilliant blood-red suffused with carmine... 1.25 10.00
*Floradora. A remarkably free-flowering, bright blood red... 1.25 10.00
*Florence M. Stredwick. Pure white, of large size and perfect form... 1.25 10.00
*Fruite. Peaches and cream describes the color of this beauty; a pleasing soft rose-pink passing to a cream centre... 1.25 10.00
*Freigibigkeit. Rich glowing scarlet... .85 6.00
*Frau Hermine Marx. Beautiful La France pink, a fine cut flower... 2.50 15.00
*Flora. An ideal white Cactus Dahlia. A large, heavy flower, produced on stout, stiff stems, makes it valuable for cutting... 2.50 15.00
*Gabriel. Creamy white, edged with vermilion; an improvement on the "Spider Dahlia" Arachne... 1.25 10.00
*Gen. French. A good-sized flower of good form, of a pleasing terra-cotta... 1.25 10.00
*Galliard. Rich, glowing scarlet, with long, tubular petals... 1.00 8.00
*Gellert. Full, double, of fine form; scarlet, shading to ruby at base of petals... 1.00 8.00
*Gen. Buller. Cardinal red, each petal tipped with white... 1.00 8.00
*Gottelinde. Primrose-yellow, of fine form... 1.00 8.00
*Graf Waldersee. Delicate rose suffused with pink... .85 6.00
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*Hohenzollern. Rich bronzy orange-red, with gold sheen... 1.00 8.00
*Horn of Plenty. Deep carmine-purple; flowers large, long, narrow, twisted petals cleft on ends... 1.00 8.00
*Imperator. Large-sized flower of deep currant-red, with deeper shadings... 2.50 15.00
*Island Queen. Soft lavender pink... .85 6.00
*J. Bruyat. Deep yellow at base, passing to pale yellow with reddish streaks... .85 6.00
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*Lenau. Ground color coral-red, suffused with apricot, shading to salmon-rose on the edges as the flower matures... 2.50 15.00
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*Mabel Tulloch. Soft violet-rose with yellow shadings at the base of the petals... 1.25 10.00
*Mary Seret. Apricot, shaded orange, shading to purplish-rose at the tips; a well-formed flower, and a free and continuous bloomer... 1.00 8.00

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Darkness. Deep velvety maroon.
Elegante. Soft pink, tipped deep pink, reflex light pink.
*Gold Hanchen. Pure primrose yellow.
Kleine Domitea. Orange buff; always in flower.
Little Bessie. Creamy white, quilled petals.
Little Herman. Deep carmine, shaded garnet; tipped white.
Little Naid. White, tipped amaranth red.
Little Prince. Deep currant red, tipped white.
Lou Kramer. Amber, heavily tipped crimson.
Red Piper. Beautiful deep red of fine form.
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*Maroon Century. Rich, velvety maroon with yellow disc. 25 cts. each; \$2.50 per doz.; \$20.00 per 100.
*Pink Century. Delicate soft pink, flower very large. 20 cts. each; \$2.00 per doz.; \$15.00 per 100.
*Scarlet Century. Brilliant scarlet with golden disc. 25 cts. each; \$2.50 per doz.; \$20.00 per 100.
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*Twentieth Century. Early in the season, intense rosy crimson, shading gradually to almost white on the edges and a light halo around the disc. As the season advances the flowers become lighter, changing to almost pure white, suffused with soft pink; not variegated but blended in the most beautiful manner. 15 cts. each; \$1.25 per doz.; \$10.00 per 100.
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STANDARD SINGLE DAHLIAS

- *Alba Superba. Fine large white, with a dash of canary yellow at base of petals. 15 cents each; \$1.25 per doz.; \$10.00 per 100.
*Advancement. Fine deep ruby-red with rose halo and yellow centre.
*Ami Barillet. Rich pure garnet, with fine dark foliage.
*Blackbird. Black velvety maroon, with a bright red spot at the base of each petal.
*Fashion. Crimson-maroon with darker shadings.
*Gaillardia. Golden-yellow with a broad red band around a golden disc. 15 cts. ea.; \$1.25 per doz.; \$10.00 per 100.
*Gracie. White, delicately suffused with bluish and a primrose halo around the disc.
*Mrs. Bowman. Sofferingo, a large showy flower.
*Polly Eccles. Pure apricot with yellow shadings, a halo of poppy red surrounding the Indian yellow disc.
*St. George. A pretty primrose yellow of large size. 15 cts. each; \$1.25 per doz.; \$10.00 per 100.
*Striking. Deep garnet, each petal with a white spot on the tip.
*Wildfire. Brilliant poppy-scarlet, of large size. Price: Except where noted, 10 cts. each; \$1.00 per doz.; \$8.00 per 100.
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*Clifford W. Bruton. A fine bright yellow. 1.00 8.00
*Fire-rain. Cardinal red. A fine cut flower. 1.00 8.00
*Gigantea. A large creamy white. 1.00 8.00
*Henry Patrick. A fine pure white. 1.00 8.00
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*Marchioness of Bute. White tipped with rosy carmine. 1.00 8.00
*Mrs. Roosevelt. Delicate silvery rose. 2.00 15.00
*Olan. Rosy lavender, suffused and overlaid silvery fawn. 1.00 8.00
*Souvenir de Gustave Bonzon. The most sensational Dahlia of the season; a decorative variety of mammoth proportions, which, under ordinary cultivation, will produce flowers 6 inches across, and can be grown to measure full 9 inches. It is of free growth, remarkably profuse-flowering, and pure scarlet in color. 3.50 25.00
*Sylvia. Soft, pleasing mauve-pink, gradually changing to white in the centre; a fine cut flower. 1.00 8.00
*Win. Agnew. Rich dazzling carmine red; a grand flower. 1.00 8.00
*Zulu. Deep maroon with black shadings. One each of the 16 varieties for \$1.75. 1.00 8.00

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Street Planting of Oriental Planes.

Florists and gardeners are often asked by customers to plant oriental planes in the street in front of their dwellings. This the planter should endeavor to dissuade their patrons from doing, unless it be on streets of great width. This plane is entirely unsuited for use in such a position. It grows to an immense size, and no system of pruning will ever succeed in keeping it within bounds. It is really a pity to see so many streets of but 30 to 40 feet width lined with these trees, as is so often the case.

Both planes, the oriental and our native one, are alike objectionable for this purpose, though the latter is rarely used, as it is liable to fungous attacks of the foliage.

There are many trees better suited for street planting—the sugar and the Norway, for instance; while one more unsuited than the plane could not be named. The place for the plane is in our parks and public grounds, where wide avenues exist. These avenues, when so planted, are of imposing appearance when the trees are well developed; and the popularity of the tree for this purpose is attested by the very large demand nurserymen find for it.

Myrobalan Plum Hedges.

Myrobalan plum as a hedge plant has not met with the favor with us it has in England. It is common there, we suppose, from the fact that nurserymen advertise it as a specialty, just as our firms do the privet or others of our well-known hedge plants. Aside from evergreen hedges there is not much interest in others. There is far less desire for seclusion here than there is in England. There every place owned by one is sacred to the owner only, and even a sight of the grounds is prevented as far as walls and hedges can do it. With us it is the other way—too much so in fact—for very many places are so open as to appear like a public common. This is what makes the demand for such hedge plants as the myrobalan plum next to nothing in this country.

Another point is, that since the advent of the San José scale all shrubs, trees, and hedge plants that are liable to be attacked by the pest are planted as little as possible, thus excluding the myrobalan plum, the *Pyrus japonica*, the osage orange and like hedge plants. Even farmers are using fewer hedge plants than in former years, none, practically, wire taking their places.

Beautiful flowering shrubs are used a great deal for forming boundary lines—not to serve as a hedge, but for ornamental purposes.

Should Trees Ever be Pruned?

One of our local horticultural societies had recently before it the question of pruning trees, the subject being presented mainly to emphasize the importance of careful pruning from the very start, which would, practically, remove all necessity of heavy pruning in later years. That intelligent pruning at the outset would do this is certain. There must always be some pruning, for let grow as they will many trees, fruit trees for example, will so interlace their branches as to greatly interfere with the well doing of growth and the bearing of good crops of fruit. No matter how small the twig may be that is cut away it is pruning, but it is assuredly better to cut away a twig less than a ¼-inch in diameter than to let it grow until a saw is needed to reduce it. A properly cared for tree never requires heavy pruning when planted where it should be to fit its growth. A shade tree though properly pruned when young will sometimes get beyond a desired height and a cutting back is necessary; but take a fruit tree, for example, and plant it in an orchard, and with good judgment in its shapening when young it should need but very little when it becomes a large tree; and this is where the pruning education of young gardeners is often lacking.

With the question of transplanting trees it is different. There must be pruning done then to make up for the general disturbance of the tree in its removal. Roots are lost; those remaining are bruised and dried often, and the air may be of a character that the branches are calling on the roots—roots that are not ready to respond—for a supply of moisture and all these things call for a reduction of branches to equalize the loss of roots and the shock to the tree in its removal. Those who contend that a tree which requires heavy pruning when of good size is evidence of neglect when young are right.

Propagation of Horse Chestnuts.

Horse chestnuts are among the most beautiful of flowering trees. They are desired by some, but it is by those who have seen them planted in unsuitable places. They need coolness of the soil, such as that of a lawn; and if in a half shaded place, so much the better. Near lakes and other large bodies of water they thrive admirably.

The common species of horse chestnut are easily raised from the nuts, which should be gathered as soon as ripe and sown at once, covered lightly with leaves first, then a light covering of soil, or they may be preserved until Spring by placing them in a box mixed with sand, put in some cool building, or even buried up outdoors until sowing time in Spring.

Varieties have to be propagated by budding or grafting them on the common European horse chestnut, though perhaps our American species would do as well, but better stick to the European if the other has not been tried. Even the beautiful red flowered horse chestnut has to be increased in this way, as it seeds so rarely that dependence on the seed plan for propagation would give but few plants.

A popular way to increase these chestnuts is to pot a lot of seedlings in Spring and graft them under glass in late Summer; or it can be done by

other willows have pretty catkins, but none of them as pretty as those of the *S. caprea*.

To get good stock for grafting, strong plants of this willow are cut down in early Spring; the shoots that succeed the cut down plants will make a height sufficient in one season. These shoots can be allowed to grow as will for the Summer. The grafting is done the following Spring, about the time the buds are showing signs of swelling, which indicates activity of the sap.

Shrubs for Forcing.

The presence of hardy shrubs in flower in collections of indoor plants in the same condition always gives pleasure by their early appearance in bloom as well as by the contrast they afford when in connection with the others. There are quite a number of such shrubs that could be used in addition to *deutzia*, *snowball*, and a few other sorts not now uncommon. In the following list are included the names of many hardy shrubs, all of which could be forced to bring them into flower in late Winter or for Easter time: *Forsythia*, of sorts; *Japanese Judas*, flowering almond, flowering peach, flowering cherry, *Magnolia stellata*, *Daphne Mezereum*, *Pyrus arbutifolia*, *Spiraea Reevesii* and *S. Van Houttei*, *Staphylea colchica*, *Weigelia*, in variety, and *Salix caprea*, the pussy willow. These are not all, for any of the Spring-flowering shrubs would answer, as it takes but a short time to bring them into bloom.

Those who have not tried the forcing of these or any other hardy shrubs would hit the time required to bring them into bloom by remembering the number of days it takes them to do it when outdoors. Take *Magnolia stellata*, for example; it flowers outdoors in four weeks; the *Spiraeas* named require about six weeks, while the Japanese snowball and *Weigelia* take a week or more longer—nearly seven to eight weeks. When under control in a greenhouse a week or two less or more can be given as may be desired, so that, practically, any one of the list desired could be brought into flower as wanted.

By proper pruning as soon as flowering is over these shrubs could be had available for several years; all that is necessary to ensure flowers is to have the plants make a good supply of new shoots every season, and this the pruning brings about.

Cutting down Privets.

Florists as well as nurserymen are interested in all that relates to privets, for in their line of work they find the setting out and caring for hedges of these bushes something often coming before them.

Early Spring is the time to cut back all privets that need it. All hedges that are out of shape, perhaps bare at the base, and single specimens as well should have a cutting back at this time. It is a great merit in privets of all kinds, especially in the Californian, the one used for hedges, that they may be cut down in Spring without any risk whatever, which cannot be said of many other shrubs. The cutting back makes them grow the better and stronger, as they never fail to break afresh even from the oldest branches. A hedge well cared for from the start and free from any mishaps should require no cutting down. When it does, then do the work when Winter closes, cutting the hedge down to about six inches of the ground. A growth of a strength to make shoots many feet in length will result, but this length must not be permitted. The shoots must be pinched off when of about nine inches in length, to cause the side shoots to break, to form a bushy base; and later on still another pinching back, when by the time growth ends in September, there should be a bushy line of green of about two feet in height.

The shapening of the hedge will need attention, too, especially in the second year of growth. The shape which all writers mostly urge is the conical one, or, at least, one in which the lower branches have the most length. This advice is good; at the same time a hedge of a perfectly flat shape, like a wall, answers very well, and in many cases harmonizes nicely with its surroundings.

The best evergreen privet for the Middle States is the well-known ovalifolium, Californian, so-called. It is, in fact, quite evergreen where severe froezings do not catch it. *Hota* and *Regelianum* are also used, and both are considered desirably hardy; *Regelianum* is deservedly popular because of its beautiful drooping style of growth.

To come back to pruning, all privets that are freshly planted should be cut back freely, as recommended for the older hedges and single specimens.

JOSEPH MECHAN.

Nut Notes.

The proceedings of the Jamestown convention of the National Nut Growers' Association will be ready for distribution about April 1.

Owing to the drought, the Texas pecan crop was seriously injured during the past season. The nuts failed to attain their usual size.

The pecan crop of 1907 was less than a fourth of the usual yield. The shortage was general throughout the entire pecan producing belt.



Catkins of Pussy Willow (*Salix caprea*).

Photo by John E. Johnston.

Winter grafting, as so many other trees are. A great many of the choice kinds, such as the double flowered and the red flowered, are increased by budding, the work being done in Summer. When this method is contemplated the stocks should be watched closely previous to budding them, as the growth of the horse chestnut is soon over, and the bark becomes too tight to lift to receive the bud. July would see some of the stocks in condition to receive the buds.

Pussy Willows.

Florists who have sale for cut flowers always like to have something out of the ordinary to place with their goods, and so look with favor on almost any kind of hardy shrub or tree that can be enticed to flower from cut branches. The old pussy willow is one of these. Hardly a person but recollects this harbinger of Spring, as it pushes forth its catkins in the earliest days of the season. Its earliness suggests how easily it can be forced into flower in advance of its outdoor efforts. Cut some shoots of it and place them in a jar of water, setting the jar in a warm, dark place for a week or so, then bringing it into a still warmer place, and very soon the flowers will develop. It takes but about three weeks to bring out the flowers; and they last for several days in good condition.

The pussy willow is often called goat willow as well; its botanical name is *Salix caprea*. It is always used as a stock for grafting the Kilmarnock weeping willow on, the Kilmarnock being a variety of it, in fact. There is no other pussy willow, though

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Careful trials were made for two years and were so successful that we imported over 300 cases last season.

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GOOD TUBERS 2 TO 3 EYES

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Red and Crimson Cannas

Louisiana, 7 ft. high, Doz.	100	1000
10c. each	\$1.00	\$10.00
A. Bouvier, 5 ft.	.35	2.25 20.00
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J. D. Eiseler, 5 ft.	.35	2.25 20.00
Explorateur Grampel, 5 1/2 ft.	.30	2.00 17.50
Express, 2 to 2 1/2 ft.	.60	4.50 40.00
Flamingo, 4 1/2 ft.	.30	2.00 17.50

Pink Cannas

L. Patry, 4 1/2 ft.	.35	2.25 20.00
Lurray, 3 ft.	.35	2.25 20.00
Louise,	.35	3.50 25.00
Mlle. Berat, 4 1/2 ft.	.35	2.25 20.00
Tennyson, 5 1/2 ft.	.50	3.00

Orange Scarlet Cannas

Pres. Cleveland, 4 ft.	.35	2.25 20.00
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Red, Gold-Edged Cannas

Indiana, 3 to 4 ft. high, 15c. each	1.50	10.00
Mme. Crozy, 5 1/2 ft.	.40	2.75 25.00
Souv. de A. Crozy, 4 ft.	.40	2.75 25.00
Premier, 2 1/2 ft.	.35	2.25 20.00

Yellow Cannas

Buttercup, 3 1/2 ft.	.75	4.25 40.00
Comte de Bouchard, 4 1/2 ft.	.35	2.25 20.00
Florence Vaughan, 5 ft.	.50	2.75 25.00
L. E. Bailey, 4 1/2 ft.	.30	2.00 17.50

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Brandywine, 4 to 5 ft.	.35	3.50 25.00
Black Beauty, 5 ft.	.50	2.75 25.00
David Harum, 3 1/2 ft.	.50	3.25 30.00
Egandale, 4 ft.	.50	2.75 25.00
Leonard Vaughan, 4 1/2 ft.	.50	2.75 25.00
Musafolia, 8 ft.	.35	2.25 20.00
Robusta, 6 to 8 ft.	.30	1.75 15.00
Shenandoah, 6 ft.	.35	2.25 18.00
Stadttrath Heidenreich, 4 1/2 ft. 20c. each	2.00	15.00

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Allemania, 4 to 5 ft.	.35	2.25 20.00
Austria, 5 ft.	.30	1.75 15.00
Italia, 4 1/2 ft.	.35	2.25 20.00
King Humbert, 4 ft.	1.25	10.00 80.00
Kronus, 5 ft.	.35	2.25 20.00
Mrs. Kate Gray, 6 ft.	.35	2.25 20.00
Pennsylvania, 5 ft.	.50	2.75 25.00

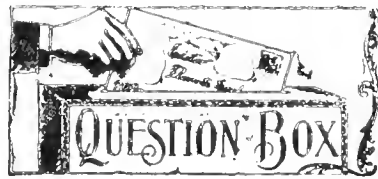
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Bulbs measuring 6 to 8 in. Doz.	100	1000	
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(41) **Trouble with Adiantum hybridum.**—I send you some fronds of Adiantum hybridum. The plants are scorched-like; some of them very much so, while others are perfectly good. This trouble has been present all Winter. The plants were planted last August from 2 1/2-inch pots on raised benches, using four-fifths soil and one-fifth cow manure and leaf mold. The house is run at from 60 to 64 degrees at night, and 70 to 78 degrees during the day. I fumigate regularly with nicotine paper, and maintain a general moist atmosphere, but never syringe. How soon should the plants have shade? **SUBSCRIBER.**
Penn.

—Without a doubt the trouble with the fronds arises from the fumigating. Ferns for commercial purposes should be grown in a house by themselves, then fumigating will be unnecessary, as they are never troubled with aphids when grown alone. A very light shade will be necessary early in March, and as the sun gets more powerful along toward the end of that month, the shade will need to be given heavy enough to break the sun's rays, and should be maintained all Summer.

(42) **Propagating Columbian Raspberry.** How is the Columbian raspberry propagated? **INQUISITIVE.**
New York.

—This raspberry can easily be propagated from the suckers. Any time in the Fall, after growth has ceased, dig out the suckers and replant them wherever a new plantation is desired.

(43) **To Make a Rust Joint.**—How can I make a good rust joint? **NEW YORK.** **INQUISITIVE.**

—To make a good rust joint, use sal ammoniac one-half pound, sulphur one-quarter pound, iron filings or borings 50 pounds; mix with water to a paste and pack thoroughly.

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Vinca var., fine large plants out of 4 in., \$6.00 per 100; 2 1/2 in., \$2.00 per 100.
ALYSSUM, double, in bloom, fine 2 1/2 in., \$2.00 per 100.
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LETTUCE PLANTS
Grand Rapids, Boston Market and Big Boston, 25c. per 100, \$1.00 per 1000.

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Mayflower and Lorillard, 50c. per 100.
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2 yr. old, 2-2 1/2 feet, well branched, \$35.00 per 1000.

VERONICA LONG. SUBSESSILIS, field grown, \$6.00 per 100.

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4 to 5 in., \$20.00 per 1000.

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CANNAS Strong, dry bulbs. **P. Marquand, Italia, Austria, Mme. Berat, Robusta, Pennsylvania, Grand Rouge, V. Hugo**, \$2.00 per 100; **La France**, \$3.00 per 100.
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Black Beauty	3.75	Oscoda, new
Coronet	2.00	Pennsylvania
Chas. Henderson	2.00	Premier, gold 2.25
		edge
Egandale	2.00	Pres. Meyers 2.50
Express, dwarf	4.00	new
Florence Vaugh- 2.00		Queen Char- 2.50
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Gladator, new	3.00	Robusta, red 1.50
Italia	2.00	leaf
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Metalica	1.50	West Virginia 3.00
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Dahlias, field-grown, leading kinds for cut flowers, all named, per doz. 40c; per 100 \$3.50.		
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6-8 in. circumference	\$1.50	
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ROSES

Court Decision on Rose Cuttings.

UNITED STATES v. AMERICAN EXPRESS COMPANY. U. S. Circuit Court of Appeals, Second Circuit, February 11, 1908 (No. 121 suit 1800.)

Rose cuttings that have been put in sand in preparation for shipment, but have never in fact been in soil, are not dutiable as "rose plants" under paragraph 252, tariff act of 1897, but as "cuttings of * * * shrubs, plants, * * * commonly known as nursery or greenhouse stock," under the same paragraph.

APPEAL from the circuit court of the United States for the western district of New York.

[Decision adverse to the Government.] For decision below see T. D. 28206, in which the circuit court affirmed a decision of the Board of United States General Appraisers, reported as Abstract 9655 (T. D. 26997), which had sustained the importers' protest against the assessment of duty by the collector of customs at the port of Buffalo.

The import in dispute consisted of rose cuttings that had been put in sand in preparation for shipment but had never in fact been in soil. The Government contended that the Board and the circuit court had erred in holding them dutiable under the provision in paragraph 252, tariff act of 1897, for "cuttings of * * * shrubs, plants, * * * commonly known as nursery or greenhouse stock," and that they had been properly classified by the collector under the provision in the same paragraph for "rose plants."

Lyman M. Bass, United States Attorney, for the United States.

Before LACOMBE, COXE, and WARD, Circuit Judges.

PER CURIAM: Judgment affirmed.

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These are strong, well branched plants. They have been potted for some time and are well equipped with roots. Packing can be done very light and they will carry safely to any part of the country.

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100 varieties, 2 1/2-inch pots. WHITMANI FERNS, pot grown, 6 to 8 fronds, \$1.25 per doz., \$10.00 per 100; 2 1/2-in. pots, \$4.00 per 100.

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These plants are in our storage cellars and can be shipped at any time. Prices on request.

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2 1/2 in. \$2.50 doz., \$2.00 100, \$175.00 1000, 3 in. \$35.00 10, 4 in. \$50.00 10

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NEW "MY MARYLAND" ROSE

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The Committee believes this Variety will be especially valuable in the light pink class of Winter blooming roses. Given by the Gardeners and Florists' Club of Boston, this 17th day of December, 1907.

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ROSE GERANIUMS, 2 1/2 in. pots, \$20.00 per 1000; AGERATUM, Stella Gurney, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100. Cash With order.

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Golden Bedder, Crimson Verschaffeltii and fifteen other varieties, R. C., 60c. per 100; \$5.00 per 1000.

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ASPARAGUS plumosus nanus and Sprengeri, 3 in. pots, \$4.00 per 100. Cash with order.

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Rooted cuttings, TREGO, CASTELLANE, VIAUD, CHARLOTTE, DOYLE, RICARD, POITEVINE, \$1.50 per 100, \$12.00 per 1000. BUCHNER, MONTMORT, PERKINS, \$1.25 per 100, \$10.00 per 1000. Cash with order.

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MONROVIA, MAUD DEAN and J. NONIN. Rooted Cuttings for March delivery, \$1.50 per 100.

ANTON C. ZVOLANEK, BOUND BROOK, N. J.

A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.

Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.

ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.

Brasema Indivisa, 2 in., \$3.00 per 100.

PERNS Scotch, 5 in., 30c. each.

Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100.

Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poitevine and Viand, 2 in. pots, \$3.00 per 100. Rooted cuttings, \$1.50.

VINCA VAR., 2 in., \$2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

FRINGED Double Petunias

Per 100

VINCA variegated, R. C., \$1.25

ABUTILON, R. C., six varieties, French dwarf, 1.50

GAZANIA Splendens, R. C., 1.50

HELIOTROPE, dark, from soil, 1.00

ASPARAGUS, Sprengeri, 3 in., very strong, 5.00

PETUNIA, Grandiflora, single in var. R. C., 1.25

SALVIA, tall and dwarf, 1.00

STROBILANTHES Dyeriana, R. C., 1.25

GERANIUMS, Mme. Sallerol, R. C., 1.50

AGERATUM, White and Blue, .75

Cash with order, please.

GEO. J. HUGHES, BERLIN, N. J.

Rooted Cuttings

HELIOTROPE (dark) 60c. per 100; \$5.00 per 1000. FINEST DOUBLE FUCHSIAS, 75c. per 100, \$6.00 per 1000. NEW DOUBLE PETUNIA, The Queen. A fine bloomer, white mingled with purple, requires no staking, \$2.50 per 100. SALVIA Zurich, new dwarf ever-blooming variety, \$2.00 per 100. SALVIA Bonfire, 90c. per 100.

AGERATUMS, S. Gurney and F. Pauline, 50c. per 100; \$4.00 per 1000. GERMAN IVY, 50c. per 100; \$4.00 per 1000.

Strong and well-rooted. Cash with order.

J. P. CANNATA, Mt. Freedom, N. J.

Plant Notes.

BORONIAS are charming plants and they possess besides other merits that of being exquisitely fragrant, this fragrance proceeding, in some, from the flowers and, in others, from the leaves. These plants are heartlike in general appearance and like healths succeed only when grown in a cool temperature and in soil composed in the main of fibrous peat. Cuttings of boronias are somewhat slow in rooting; these cuttings should be taken from half ripened wood in February or March and put in pots or pans nearly filled with peat, leaf mold and sand, the pots or pans covered with bell glasses or small glass cases. The cuttings should previously have been well watered, and, later, and for some time be kept shaded from the direct sunlight. The temperature should not exceed 50 degrees. Seeds of boronias germinate quickly and grow into nice plants in a year.

HIBISCUS COOPERII.—Greenhouse plants of easy culture and possessed of useful attributes consisting in particular of bright ornamental foliage are not over numerous. *Hibiscus Cooperii*, an old-time favorite, possesses these qualifications, and they in consequence entitle it to consideration. When this plant is but small the foliage assumes bright and beautiful tints, besides taking on a habit of perfect development by simply retarding its growth, rendering it in that condition very useful for various forms of plant decoration. Cuttings of this hibiscus taken off the tips of the growing branches of old plants will soon root in the propagating bench, with moderate heat. If it is desirable to retain old plants they may be cut back and continued in growth, which will result in nice bushy specimens.

PANAX VICTORIA.—Now when heat is available every kind of plant for which any possible use may be found later should be propagated instead of having to make an attempt at such important work when seriously handicapped by the necessary curtailment of bottom heat later on, if on after-thought it may seem desirable to increase such stock. *Panax Victoria* from small cuttings put in now will before next Fall make handsome plants, rivaling in beauty and grace many kinds of aralias, which they closely resemble and to which they are as closely allied. These cuttings will root in three weeks or less in sand, and when rooted they should be immediately potted into small pots and kept shifted as they grow. If from any cause the plants get lanky and bare of foliage, two or more may in time be placed in one pot in order to improve their appearance, and make them more presentable as decorative subjects.

ASPIDISTRA plants are always in good demand; in fact it may be hard to think of other plants that are at all times considered as good as cash and at the same time continue increasing in value without incurring a proportionate expense in their care and keep. *Aspidistras* are of no value for decorative purposes, at least to my way of thinking, until furnished with at least a dozen good leaves. Old stock plants may now be broken up and every member severed potted up singly into small pots and grown and shifted as their state of growth requires until they attain salable size. All the damaged or very much starved and otherwise badly treated plants should be operated on first, and then if it appears necessary to attack the more serviceable stock it may be as well not to go as hard on them as on the others, for this reason; there may be a call that cannot easily be met for specimen plants before those severely divided amount to much. Then instead of dividing good plants to the last crown, leave of each just enough to insure the making of a nice specimen by next winter, potting into a fairly large pot in good rich soil. When *aspidistras* are large and growing vigorously their leaves will droop over characteristically if given room, but for some purposes it is more desirable that the leaves emphasize elongated features rather than the plant's compact form, and if such long leaves, erect in appearance, are desired, they are more easily obtained by placing the plants closely together on the benches.

ALLAMANDAS when planted in the soil of a greenhouse and trained upon wires yield a most beautiful supply of beautiful yellow flowers which are deservedly popular and much prized by florists because of the striking and singularly brilliant effects they are capable of producing when tastefully and deftly handled.

DREER'S Reliable FLOWER SEEDS

SWEET PEAS For cutting. The kinds which find the readiest sale are those like the following, which have bright, clear, double colors. For complete list see our current Wholesale Catalogue.

Orchid-Flowered Varieties

This type has very large wavy flowers, usually four blossoms on long, stiff stems, and are as easy to grow as the standard sorts.

Countess Spencer (true), a lovely clear Oz pink	1 lb.	1 lb.
Frank Dolby, largest pale lavender	.50	1.75
Gladys Unwin, pale rose-pink, fine	.10	.20 .60
John Juggan, rich salmon rose	.10	.20 .60
Mrs. Alfred Watkins, superb pale pink	.50	1.75
Nora Unwin, a magnificent pure white	.50	1.75
Phyllis Unwin, light rose-carmine, very large	.10	.30 1.00
Orchid-flowered Mixed, many varieties	.10	.30 1.00

Standard Varieties

Blanche Ferry, the popular pink and white	.05	.10	.20
Blanche Ferry, Extra Early; flowers 10 days earlier	.05	.10	.25
Countess of Radnor, delicate lavender	.05	.10	.20
Dorothy Eckford, the best standard pure white	.05	.10	.25
Earliest of All, a very early flowering form of Blanche Ferry	.05	.10	.35
Emily Henderson, a free and early pure white	.05	.10	.20
Flora Norton, a clear sky blue	.05	.10	.25
Hon. Mrs. E. Kenyon, primrose yellow	.05	.10	.25
Janet Scott, a large bright pink	.05	.10	.25
King Edward VII, rich crimson scarlet	.05	.10	.35
Lady Grisel Hamilton, large pale lavender	.05	.10	.25
Lovely, beautiful shell-pink	.05	.10	.25
Miss Willmott, bright orange pink	.05	.10	.25
Mont Blanc, the earliest pure white	.05	.10	.30
Mrs. Walter Wright, deep mauve, fine	.05	.10	.35
Prima Donna, a fine deep pink	.05	.10	.25
Prince of Wales, rich deep rose	.05	.10	.30

HENRY A. DREER, 714 Chestnut St., Philadelphia



Type of Orchid-Flowered Sweet Peas

Asparagus

Sprengeri, 2 in. 2c.
SWAINSONA Alba, 2 in., 2c. **FERNS**, Pierson and Elegantisima, 2 in., 3c. **IMPATIENS**, 2 in., 2c.
CABBAGE PLANTS, Wakefield, Express, and Wainigstadt, \$1.00 per 1000.
ROOTED CUTTINGS below prepaid per 100.
 Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 3 kinds, \$1.00; Vinca Variegata, 90c.; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Flowering Helgonias, \$1.25; Celosia, 10 kinds, 60c.; Hardy Plinks, 5 kinds, 75c.; Ageratum, Gurney, Pauline, Inimitable, white, 60c.; Alternanthera, 3 kinds, 60c.; Salvia, Bonfire, Splendens, 90c.; Feverfew, Gem, \$1.00; Impatiens, 3 kinds, \$1.00; Parlor Ivy, 75c.
 Cash or C. O. D.
BYER BROS., Chambersburg, Pa.

Allamandas are quite easily propagated from cuttings of the green wood; these should be placed in the sand bench in good heat, or placed one in a small pot filled with sand and leaf mold, plunging the pots with the cuttings in the sand in the propagating bench. When the cuttings are rooted, if from the open sand, they should be potted up in good sandy soil and then placed over heat again and kept shaded until established. The young plants should be shifted into larger pots whenever the condition of the roots require it, and the potting material for the plants as they develop should be increased in substance accordingly. When the plants are intended for a trellis or a roof they should not be pinched until they have attained the height where it is requisite to have a number of shoots; but when grown for pot or tub specimens, more particularly A. Williamsii, which is the best for that purpose, they may be pinched at least twice during their first season's growth in order to lay a good foundation for future specimen plants. After the first year allamandas need not be disturbed but once a year, when grown in pots, and then potting should be done just as the buds start to grow, early in Spring, the plants having previously (in January or February) been pruned back to within two or three joints of the old wood. In Winter they require very little water, but when in active growth they should receive an abundant supply, and for that reason sufficient space should be left for water when potting is done. D. M.

GRAFTED ROSES

NOVELTIES
MRS. JARDINE, RHEA REID, QUEEN BEATRICE.
 The above, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.
MY MARYLAND, 50c. each, \$5.00 per doz., \$35.00 per 100.
 On own roots, 2½ in. pots, \$25.00 per 100, \$2.00 per 10; 3 in. pots, \$5.00 per doz.
MRS. POTTER PALMER, \$3.00 per doz., \$17.50 per 100, \$125.00 per 1000.
NEW RAMBLER "NEWPORT FAIRY." For delivery Spring 1908. Well rooted plants in 2½ inch pots \$1.00 each, \$9.00 per dozen, \$50.00 per 100.
STANDARD VARIETIES
 Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chateaux, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rusalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesley, White Chateaux.
 GRAFTED, 2½ inch pots, 20c. each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1,000.

AMERICAN BEAUTY
 Own root, 2½ inch pots \$8.00 per 100, \$75.00 per 1,000, 3 inch pots \$12.00 per 100, \$100.00 per 1,000, April, May and June delivery.
OWN ROOT ROSES
 We offer the following list of roses on their own roots. Our method of handling this stock gives us as fine plants from 2½ inch pots as are usually sold for 3-inch. This stock is from 2½ inch pots, repotted from 2-inch.
 Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chateaux, Aurora, \$1.00 per dozen, \$6.00 per 100, \$50.00 per 1,000.
 From 2 inch pots ready for shipment \$3.50 per 100, \$30.00 per 1000.

COLEUS

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 20c. per 100, \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.
 Golden Buzzer, Hero, Messey, Pearl of Orange, 75c. per 100, \$6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.
 Fancy Varieties. A very fine assortment of twelve kinds not listed above, 75c. per 100, \$6.50 per 1000. 250 in assortment, our selection, at the 1000 rate.

MISCELLANEOUS PLANTS

AGERATUM, Stella Gurney, Princess Pauline.
SALVIA Splendens, S. Bonfire.
HELIOTROPE, Rooted cuttings 75c. per 100, \$6.00 per 1000.
ALTERNANTHERA, Red and Yellow, Rooted Cuttings, 50c. per 100, \$5.00 per 1000.

CARNATIONS

Rooted Cuttings

Winsor	100	1000
White Perfection	\$5.00	\$50.00
Rose Pink Enchantress	2.50	20.00
Enchantress	3.50	30.00
Queen Louise	2.50	20.00

 From 2½ inch pots and \$1.00 per 100.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS

From Bats, \$1.00 per 1000.

CHRYSANTHEMUMS

Standard and Fancy kinds, for shipment Rooted Cuttings, \$2.00 per 100, \$15.00 per 1000.
 Send for list.

A. N. PIERSON, CROMWELL, CONN.

SHAMROCKS

IRISH: THE REAL THING: GREEN
 Strong and fine. Ready now for delivery. Better order soon \$1.00 per 100; \$9.00 per 1000. Per doz. postpaid, 60 cts. Extras added. Also XXX See us in our recent advs.

THE HOME OF PRIMROSES **JOHN F. RUPP, Shiremanstown, PA.**

FOUNDED IN 1888



Weekly Medium of Interchange for Florists, Nurserymen
Seedsmen and the Trade in General

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

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special positions extra. Send for Rate Card showing
discount of 10c., 15c., 25c., or 35c., per inch on contin-
uous advertising. For rates on Wants, etc., see column
for Classified Advertisements.

THE NATIONAL FLOWER SHOW, under the auspices
of the S. A. F. O. H., will be held at Chicago, Novem-
ber 6 to 15, 1908. William F. Kasting, Buffalo,
N. Y., is chairman of the show committee.

Chairman W. F. Kasting has instructed me to
call a meeting of the National Flower Show Com-
mittee to be held in Chicago, March 26, 1908, at 2.30
p. m. The place of the meeting will be announced
later. This date is during the convention and ex-
hibition of the American Rose Society in Chicago.
Very important business will come before the com-
mittee and each of the chairmen of minor com-
mittees is expected to report. The presence of every
member is earnestly requested.

J. H. BURDETTE,
Secretary Pro. Tem.

J. F. Ammann.

We have pleasure in presenting herewith a portrait
of J. F. Ammann, florist, Edwardsville, Ill., the newly
elected secretary of the Illinois State Florists' Associa-
tion.

Mr. Ammann was the first president of the organiza-
tion. He is also a life member of the S. A. F. O. H.,
and is the vice-president of that society for Southern
Illinois. He is likewise an active member of the St.
Louis Florists' Club.

In a letter Mr. Ammann says: "I want to thank you
on behalf of the association, and also on my own be-
half, for having your representative at our meeting. I
do hope the entire trade appreciate your valued assist-
ance as much as I do." He adds, "I like to work for
our good cause."

The Florists' Exchange is at all times ready and
willing to help you in the cause of horticulture as far
as lies in its power. We thank Mr. Ammann for his
word of recognition, and would like to see every one
in the trade inspired with the helpful spirit which his
letter demonstrates he possesses. If all liked "to work
for our good cause," how much greater would be its
beneficent advancement.

Specialization in the Nursery Business.

A leading nurseryman recently made the statement
that the nursery business is getting so vast that it will
have to be specialized. From which we infer that this
gentleman is of the opinion that it will be more profitable
for newcomers in the business, particularly, to devote
their attention to certain specialties in the nursery line,
rather than attempt to grow a general stock; in fact,
that this business will eventually divide up, just as has
that of the florist, growers devoting their attention to
those plants to which their soil and location are well
adapted, or from the cultivation of which they believe
they see the best financial results obtainable.

The Florists' Exchange has consistently maintained
its nursery department at a high standard in the desire
to interest florists generally and particularly those who
are not dependent on the cities for their business and who
are located in suburban and country sections where they
cater to the entire wants of the population around them;
that it would pay all such to establish a small nursery
from which they could make selections for the very im-
mediate wants of a customer, and which could also be
maintained as a show ground, so that customers might
see the material for themselves at first hand, and ex-
amine into its value and suitability for their purposes.



J. F. Ammann.

Sec'y-Elect Illinois State Florists' Association.

assuring a better contentment of mind than when order-
ing from a catalogue stock the general nature of which
they were not fully acquainted with.

There can be no doubt whatever that the nursery trade
is growing fast and those who can take advantage of
the advice to establish a small acreage devoted to this
branch will not fail to receive material benefits there-
from; to thousands of florists, such an addition to their
greenhouse range will prove of substantial and increas-
ing value as the years go on.

In addition there are good openings for those who
will establish plantations for the many specialties most
in demand, as well as for the raising of newer or less
common trees and shrubs.

American Rose Society.

A meeting of the executive committee was held on
Thursday, February 27, at the Hotel Martinique, by
order of President Simpson, to take up the assign-
ment of the numerous special premiums offered for
the annual meeting and Spring show to be held in
conjunction with the Florists' Club of Chicago on
March 25, 26 and 27 in the Blackstone Hall of the
Art Institute, corner of Adams street and Michigan
avenue, Chicago. There are now some 30 premiums
besides the list printed in the official schedule, to be
entered in a supplementary list.

The Chicago people are in dead earnest and we
desire the active co-operation of each person east
of the Allegheny mountains to show what they
can do.
BENJAMIN HAMMOND, Secretary.

New Jersey's Educational Exactions.

About the only things that teachers in the elementary
grades of the public schools of New Jersey are not re-
quired to know are how far it is between two rows of
apple trees, and was the hen first or the egg? says the
New York Herald. At least that is what some of those
who took the February examination declare, and they
offer as proof a list of the questions submitted to them.
They assert that they were never informed that they
would be asked to explain the inner workings of high
finance; that they would be questioned regarding the
best methods of lengthening the legs of a table or that
they would be interrogated as to the value of various
kinds of fertilizer. Here are some of the genuine ques-
tions asked:

"What amount of plant food per acre would sixty
bushels of shelled corn take from the soil?"

"Give three active enemies of fruit trees."

"Give a typical rotation of crops in your locality."

"Draw a plan for a small kitchen garden, designating
the plants."

"What is meant by commercial fertilizer?"

Some of the applicants for teachers' positions pre-
pared a list of questions which, they told the examiners,
should by all means be included in next year's papers.
Persons who cannot answer them, they averred, are in
no way fitted to teach youthful minds. A few samples
of these questions are:

"What soil is best for rubber plants?"

"Will a squab squawk if the toast is hot?"

"How long does it take to travel between two
points?"

"If an owl can see best at night what animal can
see farthest in the daytime?"

"Where is my wandering boy to-night?"

How many of the teachers passed no one has dared
to guess. Few of the applicants had ever been heads
of financial corporations, and the only agricultural ex-
perience any of them had had was to "hook" water-
melons or water the plants.

Chrysanthemum Society of America.

The Chrysanthemum Society of America, realizing
the necessity of closer relations with the various
horticultural societies throughout the country, and
agreeable to a vote taken at the annual meeting in
New York City on November 6, 1907, the executive
committee cheerfully invites the hearty co-opera-
tion of every horticultural society in the United
States, and offers the following for their careful
consideration:

Any horticultural society, or gardeners' or florists'
club may become affiliated with the Chrysanthemum
Society of America on payment of an annual fee
of twenty-five dollars, such fee entitling it to the
following privileges:

1. The C. S. A. will offer a substantial silver trophy
as a prize for chrysanthemums; the character of
the class and conditions of the competition to be
left to the discretion of the society so affiliated.
2. To receive twelve copies of the C. S. A. publi-
cation, free of charge.
3. To have two free passes to the annual exhibi-
tion of the C. S. A.
4. To elect one of its members as a delegate to
the annual meeting of the parent society, with voice
and vote on any subject, except matters of finance,
such delegate to be annually elected by the society
affiliated.

Conditions of Affiliation.

Subject to the foregoing, the affiliated society shall
pay the above mentioned fee on or before April 1 of
each year to the secretary of the C. S. A. and furnish
the following information:

(a) The full title of the society, the name and ad-
dress of the secretary, and the name of the delegate
elected.

(b) The date on which the next Fall show will be
held, and the conditions under which the C. S. A.
trophy will be given.

(c) A copy of the prize schedule of the affiliated
society to be sent to the secretary of the C. S. A. as
soon as possible after publication.

DAVID FRASER, Secretary.

THE MONMOUTH COUNTY (N. J.) HORTICULTURAL
SOCIETY held its twelfth annual meeting in Redmen's
Hall, Red Bank, on February 11. The following offi-
cers were elected: Joseph Kennedy, president; Malachi
Tierney, vice-president; H. A. Kettel, secretary; Ernest
Palmer, financial secretary; N. Butterbach, treasurer.

It was carnation night, and William Turner gave us a
description of Peter Fisher's seedlings and Malachi
Tierney reported about the Carnation Society's exhibi-
tion. At our next meeting, March 13, a schedule will
be prepared for the different lectures before the society
during the year.
B.

Obituary

F. C. Miller.

At the time of going to press we learn with sincere regret of the death of F. C. Miller, Brantford, Ont. Mr. Miller was born in England, and had been in the florist business many years. Interment took place on Wednesday, February 26.

Robert Allan.

Robert Allan died at the Newport (R. I.) hospital, Tuesday evening, February 25, 1908, after a brief illness. Deceased was the second son of the late William Allan, for many years gardener at the Travers estate, and uncle of the late Wm. J. Allan whose obituary notice recently appeared in these columns. Mr. Allan was about 38 years of age and married. He held at one time the position of gardener to Mr. E. C. Knight on Bellevue avenue, Newport. He was of a companionable disposition and very popular. Much sympathy is expressed for his widow and other relatives in this recurrence of bereavement. D. M.

Peter Nees.

Peter Nees, one of the well-known characters of Burlington, Ia., passed away on February 18, 1908, at St. Francis hospital. Although he had reached the age of 84 years, he seemed young to the last. He enjoyed good health until a short time ago when paralysis followed a stroke of apoplexy.

Peter Nees was born in Stockstadt, Germany, October 23, 1823. He received a good education and showed a liking for the florist business. He came to the United States in 1850 and twenty years later moved to Burlington. He purchased property at the corner of Starr avenue and the Mason road; there he established a greenhouse and built up a good business.

Mr. Nees was one of the gentlemen of the old stock, thoroughly honorable in all his dealings, a good neighbor and good citizen. During his long residence in Burlington he made many warm friends. Eight children survive him.

John A. Freeman.

John A. Freeman, florist, Aurora, Ill., passed away on February 18, 1908, at his late home, corner of Illinois avenue and North Lake street, after a severe illness extending over a period of two months. He suffered from tubercular trouble in his stomach and bowels and an operation was performed several weeks ago at the Aurora City hospital in hopes of bringing relief.

Deceased served as alderman of the first ward for three terms, retiring a few years ago after looking after the interests of his constituents in a satisfactory manner.

Mr. Freeman was born in the Province of Halland, Sweden, November 4, 1855, and came to America in 1872. Following a residence of several years in Batavia where he was engaged in the greenhouse business, he removed to Aurora in 1880 and had resided there since. For the past 15 years he successfully conducted a large business at the corner of North Lake street and Illinois avenue.

He was a member of the Nordens Soner organization and the Swedish Lutheran church of this city.

In addition to a widow he leaves to mourn his demise five children.

L. D. Robinson.

Louis Daniel Robinson, who has been associated with the florist establishment of L. D. Robinson, Jr., Springfield, Mass., died suddenly at his home, 175 North Main street, February 26, of heart failure. Mr. Robinson was taken ill with the grip several weeks ago, which developed into erysipelas and finally pleurisy, and for a week his heart grew weaker until the end, which came without warning.

Mr. Robinson was a successful business man, having conducted a picture store for forty years, which he sold out two or three years ago; since then he has been associated with his son in the florist business looking after the store. He was 65 years old. During the Civil War he was a member of the 52d Regiment, Massachusetts Volunteers Company F., serving under Butler and Banks. Later he was stationed at the Springfield Armory; from here he went into the picture business, which he conducted so long. In 1895-7 he was a member of the City Council and in 1898 of the Board of Aldermen. He was elected to the Legislature in 1899, serving two years on the Committees of Military and Prisons. Mr. Robinson was a member of Wilcox post G. A. R., Amity Lodge of Odd Fellows, treasurer of the Amateur Horticultural Society and a director of the Hampden County Horticultural Society.

Besides one son, L. D. Robinson, Jr., he leaves one daughter and his widow.



The Late John A. Freeman.

OUR READERS' VIEWS

Hydrangea Arborescens var. Sterilis.

Editor Florists' Exchange

In Horticulture for January 25, page 99, E. G. Hill tries to justify the registration of the new hydrangea by his firm, an effort that I consider unworthy of respect. More than a year before the registration, a member of the firm of the E. G. Hill Company told me that he knew that Mr. McBeth of Ohio had been propagating this plant for years; and we all know that William Falconer stated in The Florists' Exchange in August, 1904, that Mr. Semple of Pennsylvania had been then rushing its propagation. At the time of the registration the Messrs. Hill knew that, besides those mentioned, at least three other firms, as energetic and enterprising as any in the country, were doing their best to get up a stock—to be exact, Vaughan's Seed Store, Chicago; Livingston of Ohio and John Lewis Childs of Floral Park, N. Y.; perhaps others.

The introduction of this plant is one of the marvels of the twentieth century. It has been cultivated in some localities in Ohio for twenty years or more. Mr. Bassett of New Jersey informs me that a gentleman moving from Missouri and settling on a farm adjoining Mr. Bassett's twenty-five years ago brought one plant of *H. arborescens* var. *sterilis* and planted it on his farm, where it has been blooming in all its glory all these years without any notice or attention. More than twenty years ago a Dr. Steele of Missouri offered Thomas Mehan the entire stock of a sterile form of *H. arborescens* under the name of "Hills or Snow." Mr. Mehan did not purchase it, and as both he and Dr. Steele died soon after, there is no evidence that this find ever got into commerce. It is well to let the name perish with the effort. E. Y. TEAS, Centerville, Ind.

In a former article E. G. Hill stated that this plant had been "growing under the very noses of E. Y. Teas and J. W. McNary for years and years." In his last effusion he states that I first heard of it through him and first saw it in his grounds. It occurs to me that one of these statements is incorrect.

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The "DEAR LITTLE SHAMROCK," John F. Rupp, Shiremanstown, Pa., recently favored this office with a specimen plant of his well-known specialty, the Irish shamrock.



Winter-Flowering Carnation Society, England.

Front Row—Judges: J. R. Fotheringham, M. C. Allwood, J. Artindale. Chairman: J. S. Brunton. Judges: G. Woodstock, H. F. Mason, M. Todd.
Second Row—Asst. Secy: L. F. Hayes, Secy: H. Mathias. Floral Committee: P. Smith, S. Mortimer, A. F. Dutton, J. Kyllin, H. Burnett.

Photo taken at Botanic Gardens, London December 11, 1907 on occasion of First Exhibition. Most of the gentlemen in the group are well known to American Carnation Growers.

Commercial Carnations.

Read by Wallace R. Pierson, Cromwell, Conn., before the Gardeners and Florists' Club of Boston, Mass., February 25, 1908.

I do not have any intention in writing this paper of giving history. That branch may be useful, but it has been covered so many times that to go back to Lizzie McGowan and Mrs. Fisher is useless. We wish to consider just what working materials we have before us at the present time, and to learn how to make the most of what we have.

The carnation after the advent of Mrs. Thomas W. Lawson and the carnation before that time is as different in all essential characteristics as the light



Wallace R. Pierson.

of a gray day in Winter is to the brilliancy of the houses in full sunlight with the glare from the February show; Daybreak before Mrs. Lawson as the sun breaking through the fog.

We have, to-day, a grand collection of varieties, and there are so many new stars appearing and seeking recognition that we are tempted to ask, Where will it stop? "Because of the success of some new varieties, and because I have a good seedling, am I not justified in putting it on the market?" is the question we are so frequently asked. Let the owner of the seedling think of the number of horses bred from fast stock which are never entered. They are tried out, and if they haven't the ability to deliver the goods, they are never entered in the race. So with carnation seedlings. Raise them if fancy leads you to do so. Try your hand at it, but know before they are presented to the public what their powers really are.

Good Parents Necessary.

I believe that the qualities which go to produce a good seedling are, to a large extent, due to the inherent good qualities of the parents, but with the seedling there is apt to be an increase in vigor. The best articles and papers on the subject of seedlings can only be from those men who handle and study the subject most, and although a haphazard seedling may make good commercially, the best variety is more apt to be produced by one who understands the varieties he works on, and who makes his crosses with certain definite points in view.

The dissemination of a seedling being decided upon, the future success of it, as a variety, depends as much on the manner of producing and sending out the stock as on any inherent good qualities it may have, granted, of course, that it would never have passed the seedling stage had it not some of the inherent qualities which go to make up a Commercial carnation.

A Commercial Carnation Defined.

What, then, is a commercial carnation? To be brief, it is one which the grower can handle so that it is a paying proposition for him, and this necessitates it being one which the public will buy with profit to the retailer. This definition is broad, and yet it covers, I believe, the entire situation. It does not exclude the fancy sorts, provided they can meet the terms which the public will buy, and which is a paying proposition to the grower.

A very large bloom is not, as a rule, obtained in the same capacity from the same space as a smaller one. Here, then, seems to be the size limit. Can we secure more money for the individual bloom to warrant the growing of only such varieties as produce flowers larger than the ordinary? Perhaps with some success, there would be such a

demand, but not as a rule would this be true. The commercial carnation in its broadest sense is the medium-sized bloom, the average length stem, the non-bursting calyx, the even-colored flower, with the keeping and shipping qualities which are usually a part of the make-up of such a bloom as I have tried to describe. Light pink, intermediate pink, dark or cerise pink, scarlet, dark red and white we must consider standards.

Variogated we must class as fancy, for both white and yellow variegated are profitable only when grown where there is a market which calls for them.

The number of blooms per square foot of bench, and the number of dollars per year are the only questions the commercial grower should consider. The average number of flowers per plant is a deceiving method of calculating the profitability of a variety, for one plant of some varieties will occupy the same space as three of a different type which run to bloom and not to plant.

Then, too, one year's experience with a novelty is not always a proper guide, if the results be shown merely on paper. A different handling may produce different results. Very few varieties become disseminated without having some good features, and while one variety may do well in a locality, another may not. This is the nature of the beast, and having in mind several that have failed me, and done well elsewhere, I will drop the subject.

The Best Method of Handling.

Given, then, a stock of standard varieties, what is the best method of handling them all the way through? To this I reply, with consideration for the individuality of each and every variety in your list. I will try to explain myself on this subject.

Three distinct classes of varieties appear to me; one inclined to soft heavy foliage and curly leaves. This type is inclined to come short-jointed, and to require an unusually heavy body of roots to produce early blooms with stems long enough to be worth the handling. For these there is nothing but indoor culture to secure the best results.

The second class is the doubtful one. The thin-foliaged, loose-jointed specimen which makes only blooms if grown inside and very little plant. It needs less soil, and with less top makes correspondingly less root. Field culture with early benching seems the best, as the production of plant is easier to accomplish in the field.

As a type of the third or variable class, I wish to mention Enchantress, a variety which will be found superb for indoor culture, and an easy variety to lift from the field, even as late as September, to fill the last ends and prevent loss of space.

Classing these varieties, then, as we do, we plan our planting as soon as we can determine how much

room we can count on after Easter. The condition of the breaks from ten to twelve inches above the soil in February will determine this. Get the heavy-foliaged varieties ready for an early start. Then comes the wait for after Memorial Day, and the Summer's shifting is in full blast, aiming always to leave a part of a house of white and some Enchantress for the last of June.

We like to handle young stock in pots for the April benching, and in 3-inch is a convenient size to handle, this stock having been shifted from 2-inch, or 2½-inch, as the case may be. Where this stock has been in 2-inch, however, a shift to 2½-inch and then to 3-inch is to be preferred to a single potting.

For later use, benching out in shallow soil about 4 inches apart gives a better chance for the plants, and means less work, and danger of loss or stunting, due to being potbound, is avoided.

Field planting from 2-inch pots is the next in order, and then the care in the field. Summer watering I do not approve of, and for the following reasons: It is very seldom that the soil takes up this moisture to any depth. If done at night, the sun of the next day takes it all back, and by capillary attraction takes more even than was given. A continual wetting of the foliage at night is a great incentive to leaf spot, and a growth under these conditions will be soft and is therefore an easy subject to such fungus.

The best plants come from the field that gets the most hoeing, and I do not think a well cultivated field can be improved upon, except by more hoeing.

Our system, then, is a combination of the two, or rather three, methods. Pot culture, bedding them out in the houses intended for chrysanthemums, and field culture.

Inside Culture.

"Would you plant them all inside if you could?" is a question I am often asked, and I can only answer it by saying that it is an impossibility to handle all our stock with any one method. Our supply of blooms is broken for only two months, as we cut by September, first from the first planted houses, and our last houses we aim to plant in early July, and do not care to cut from them until November.

Last season we planted one bench in March, and they are still looking well and producing the flowers.

Benches vs. Solid Beds.

"Do you prefer the bench to the solid bed?" is another. I will answer it by saying that for early planted stock the bed is superior; for field plants I prefer the bench. The heavy-foliaged varieties seem to be in their element on the beds, while the others seem to even up matters.



Carnation Lucille.

Originator Fritz Bahr, Highland Park, Ill.

(See Page 259, issue of February 22, 1908.)

Temperature.

Temperatures can almost be figured by classes, the heavy-foliaged varieties, as a rule, standing for a little more heat. The evenness of the night temperature is perhaps the most essential. Very seldom have we had any trouble with blooms which could not be traced to this source. Softness in such varieties as Enchantress usually means an over-abundance of water at the roots, or a too high temperature at night. A hard bud is usually a check from contact with glass, or cold draughts of air at some time, due, perhaps, to a sudden drop in temperature, or a broken glass. If we would grow carnations well, we must watch them nights.

The producing of the best is one long struggle. Insects, fungi and temperature all make it a never-ending fight. Watchfulness, combined with common sense and the willingness to do hard work will succeed in meeting these troubles, and coming out with success and credit.

Hints to the Retailer.

To the retailer I would say, "Help your grower." What sells best with you? What colors are you wanting most? Advise him how the flowers keep, and he'll know how to run the houses.

And, growers, let me say to you that it is poor economy to grow second-class stock, because business is dull this season. On good stock depends your future, for it is one of the essential elements of success.

Our Experiment Stations and What We Have Done.

Extract from a Paper read by Professor A. C. Beal before the Illinois State Florists' Association at Springfield, Ill., February, 1908.

The amount originally given each State for the maintenance of an experiment station was \$15,000 annually. The Adams Act of March 16, 1906, supplemented this with \$5,000 for each station for that year with an increase of \$2,000 annually. Most of the stations receive, therefore, from the National Government for the present year \$24,000 for research in agriculture. Some of the States have increased this by very large appropriations; for example, Illinois Experiment Station receives \$102,500 from the State for experiment work in addition to the amount from Congress.

Floriculture is one of the interests which more recently has received a little attention from the stations.

Aside from insect and disease problems and leaving out of consideration, for the moment, publications on forcing vegetables, it seems incredible that an industry representing so large an investment of capital and with an annual product of so great a value has not received more recognition. According to the census of 1900 the amount of capital invested in floriculture was \$52,162,419 and wholesale value of the product is given at \$18,422,522. Since 1900 the florist business has developed wonderfully and the investment is not far from \$100,000,000 for the whole country. What interest of such magnitude has been given less recognition?

In this connection it is well to bear in mind that when the stations were founded the farmer was the one for whom those in charge of the work looked for support and whom they sought to benefit. Most men, and the farmers least of all, know little about plant growing under glass and he generally has a sort of contempt for the man whose operations are confined to a small area. He might be surprised to learn that there are florists in Illinois who grow under glass more rose or carnation plants than there are hills of corn on fifty acres of land. If he had any adequate conception of the amount of handling, pruning, tying, etc., to care for this number of plants as compared with cultivating the same number of hills of corn, he would have a better opinion of the florist business.

Bulletins on Horticultural Subjects.

There has been some work done by the experiment stations. Of those publications dealing with flowers, except a few bulletins from Cornell, practically all treat of insects and diseases. The majority of the bulletins have been on the subject of forcing vegetables under glass and the pests affecting them.

Within the limits of this paper it is impossible to mention all reports of work done by the various stations.

In New York the Cornell station has issued four publications on the chrysanthemum, dealing chiefly with tests of varieties. One bulletin each on the China asters, dahlias, annual flowers, a peony check list and two on sweet peas, one each on Winter muskmelons, English cucumbers, forcing tomatoes, mushroom growing, strawberry forcing; a second report on strawberry forcing and notes on tomato forcing. Also upon



A Shamrock Girl.

Courtesy John F. Rupp, Shiremanstown, Pa.

miscellaneous topics, like damping off, two bulletins on greenhouse heating and one on greenhouse notes.

At Geneva in the same State there has been issued one bulletin on carnation rust, anthracnose and stem rot of the snapdragon, and ringing herbaceous plants. In vegetable forcing on forcing head lettuce, use of stable manure and nitrogenous chemical fertilizers for forcing lettuce, forcing tomatoes and mushroom growing and forcing lettuce in pots.

Massachusetts has published articles in its annual reports on soil sterilization and upon germination and growth in soils of different texture, also on the effect of electricity on plant growth. Also bulletins on growing asters, cucumbers under glass and tomatoes under glass, nematode worms, rotting of greenhouse lettuce. A portion of one bulletin is devoted to greenhouse thrips.

From the New Jersey station has appeared the bulletins on the rose chaffer, rose scale, insects injurious to shade trees and ornamental plants, forcing tomatoes. The annual reports contain a great deal of information on the diseases of greenhouse plants.

New Hampshire station has published on forcing dwarf tomatoes, green corn under glass, utilizing greenhouses in summer, forcing pole beans under glass, the white fly.

of them... by... Nebraska... Michigan... Rhode Island... Vermont... Only one bulletin has been published on the raising of roses and that from an experient station in the country, Oregon.

Our neighbor, Indiana, has published a bulletin on white-bellied plants, but no bulletin on carnations, a bulletin on diseases of forcing head lettuce, and one on forcing lettuce with chemical fertilizers.

Illinois has published one bulletin on the general subject of tomato forcing. However, I am unable to find the manuscript for a bulletin on forcing head lettuce, and details of kind for forcing head lettuce, cucumbers, strawberries, forcing peas, and other than fertilizers.

Illinois Leads.

I think it a matter of congratulation that this association secured the first appropriation for the exclusive purpose of experimentation in floriculture. Illinois leads in floriculture and it was quite fitting that she should take the lead. The Legislature is to be commended for its recognition of this industry by providing funds with which to start the work.

Since Illinois is taking the lead we have great responsibility, as the other States are watching with interest the outcome. We should be exceedingly careful in the expenditure of the funds to secure the greatest possible results. We may be certain that other States sooner or later will follow our example. Should we not accomplish this we need not fear but that we shall get further appropriations. It marks a new epoch in floriculture in the experiment stations.

Thrips Investigations.

The advisory committee decided that investigations on thrips be taken up this year. A search of the literature was begun to learn what was already known, including everything written by florists. From this and from correspondence it was learned that little was known about the species doing the damage and also about their life history in greenhouses. It became necessary to enlist the service of the entomologists in the problem, Dr. S. A. Forbes very willingly detailed one of his most capable assistants on this work.

Since the horticultural greenhouses at the university were put to other purposes we had to seek houses at some other city. After considerable search and correspondence the university authorities decided that work should be begun at Bloomington, since it seemed that the houses were better adapted to our needs and more convenient.

The house was already planted to two varieties of carnations, Queen Louise and Genevieve Lord. Varieties of these colors do not show thrips injury unless the insects are numerous and the amount of feeding is considerable. As the house was planted late there were few blooms until December and consequently few thrips.

(To be Continued.)



Interior of Shamrock House of John F. Rupp, Shiremanstown, Pa.

DIRECTORY OF RELIABLE
RETAIL HOUSES

FOR THE RETAILER

CLUB AND SOCIETY DOINGS

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYBES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Delivers anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. O. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

New York.

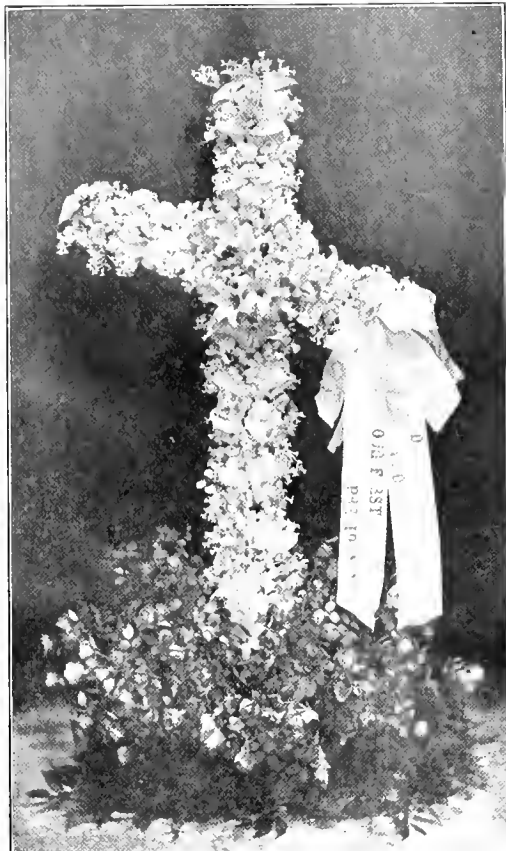
YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

EASTER ANNOUNCEMENT CARDS

We have an illustration, and will issue in ample time for the Easter season, six different designs in Easter Announcement Cards, prepared specially for those who call last minute at retail. These Announcements are ample for all occasions, and very inexpensive. For a set of samples, send for them.

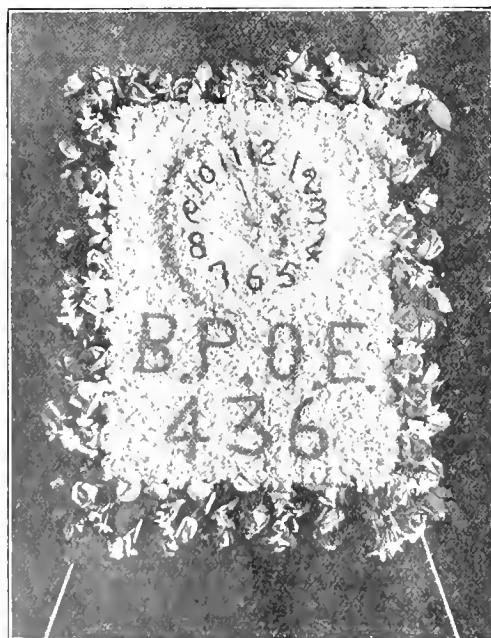
DE LA MARE P & P CO., P. O. Box 1697, NEW YORK



Design sent to Funeral of J. B. Heiss. By Dayton (O.) Florists' Club.

Floral Tribute to the Late J. B. Heiss.

Our illustration shows the floral tribute sent by the Dayton (O.) Florists' Club to the funeral of J. B. Heiss, the first president of the organization. The design, a Trinity cross, stood six feet high, and was made of roses, carnations, lily-of-the-valleys, and sweet peas. The base was filled with American Beauty roses. The inscription on the ribbon read: "Our First President Dayton Florists' Club."



Design for Funeral of an Elk. By J. L. Dillon, Bloomsburg, Pa.

MORRIS COUNTY (N. J.) GARDENERS AND FLORISTS' SOCIETY. The monthly show of this society for February was very creditable considering that there was no special effort made to get it together. A. R. Kennedy, gardener to Dr. Leslie D. Ward, had without doubt the best vase of White Enchantress that we ever had here. It will be remembered that the same exhibitor had at the twelfth annual smoker a sensational lot of Victory; on both exhibits he was awarded a cultural certificate.

W. A. Manda, South Orange, N. J. showed a new carnation, No. 20, of a beautiful pink shade, that the committee decided was a "promising commercial variety and would like to see more of it." Charles H. Totty had fine White Perfection; and Arthur Herrington, Beacon in fine stem, flower and color. A cultural certificate was awarded to both.

Robert Scott & Son, Sharon Hill, Pa., sent 50 flowers of the new rose Mrs. Jardine. It is a full double pink, said to be a true Winter bloomer and if our Madison boys can grow it as it was shown the other night, there ought to be money in it. It secured a certificate of merit.

Wm. F. Lyons showed a hybrid calanthe which was much admired. Florham Farms staged a nice collection of hothouse vegetables that looked tempting and about 50 stocks, in the varieties Beauty of Nice and Queen Alexandra; they formed a grand demonstration of what is possible from a Finch pot.

Our next meeting on March 11 will be "carnation night." A. R. Kennedy will read a paper on carnations. The topic of the evening was "New Chrysanthemums," and, of course, Mr. Totty opened the discussion, which became general, and a very interesting and instructive hour was passed. E. R.

Two Dillon Designs

Our illustrations represent two floral designs, the work of the J. L. Dillon establishment of Bloomsburg, Pa. The wreath is made of callas, roses, carnations and narcissus, with a bow of chiffon ribbon. The Elks' design is composed of white carnations edged with pink roses and white narcissus, with purple lettering and figures.

This firm states that trade in this locality has been extremely good, considering the stringency in the money market all over the country. The demand has been larger than the supply. A fact on which the concern is to be congratulated.



Funeral Wreath. By J. L. Dillon, Bloomsburg, Pa.

A Visit to Springfield, Ill.

The unusually severe snowstorm experienced by the visitors to the Illinois State Florists' Association convention at Springfield, February 18-19, made the delegates very thankful to Antrim C. Brown, president of the Springfield Florists' Club, for the means of transportation which he furnished for those wishing to visit the establishments of the local growers. Mr. Brown sent to hotel headquarters two immense sleds, each with four horses, and two jolly parties soon ensconced themselves snugly in the straw and thoroughly enjoyed the novelty of a winter straw-ride. The first establishment visited was Mr. Brown's, and a surprise certainly awaited all. There are seven houses, each 317 feet long. Most of the glass area is devoted to carnations, and these flowers are just now seen in the pink of condition. Mrs. T. W. Lawson, Mrs. M. A. Patten, Enchantress, Boston Market, White Enchantress, Winsor, Victory and Rose Pink Enchantress are the varieties grown, with Governor Demen, a variety of royal purple color, which has been introduced by Mr. Brown himself. This variety produces large full flowers, most of them four inches in diameter, and

about 20 flowering shoots to the plant. As a red variety to precede Beacon it is said to be exceedingly useful. Mr. Canfield is a large grower of mushrooms and utilizes all available space under his benches for this culture. In one or two houses the mushrooms are grown in double tier benches, the top ones being used for propagating carnation cuttings. The mushroom yield averages 50 lbs. per day. In one of the houses a number of flats are to be seen in which early asters are sown. Some were sown as early as December 1 and are approaching the transplanting stage. They are sown for succession, seeds directly on soil, and covered by half an inch of sand. Sample's Purple, Vick's Daybreak, and Vick's Branching White are the varieties grown, and Mr. Canfield says he is usually very successful with early asters, other growers' experiences to the contrary notwithstanding.

At the establishment of Miss Bell Miller the work of sheathing the shed, over 200 feet long, running across the range of greenhouses, was in progress, and almost completed. The improvement is thoroughly in keeping with the general appearance of the place, which is very fine. Carnations are principally grown. There are several houses planted with Mrs. T. W. Lawson, Mrs. M. A. Pat-

New York. The Week's News.

The New York Florists' Club, annual dinner takes place this (Saturday) evening at the St. Denis Hotel, Broad way and Eleventh street, and, from present indications, the attendance will be well up to the average. The dinner will be served promptly at 7:30 o'clock, so it behooves all members to assemble in good time. Speakers have been invited; a very fine musical program will be rendered by well-known musicians, and the dinner itself will be all that can be desired. As the chairman of the committee, Mr. Sheridan, said at the last meeting of the club, those who have objections to wearing dress suits need not be absent on that account, as it is not intended that the dinner shall be a full dress affair.

There is a rumor afloat that the carnation growers of Long Island intend forming themselves into an association for mutual benefit. Organization in all lines seems to be the order of the day. The recent getting together of the wholesale florists has had very beneficial effects so far, and no doubt an organization of the Long Island carnation growers, if consummated, will prove advantageous in many ways.

L. G. Scollie, of the firm of L. A. Scollie, horticultural engineer, was again re-elected treasurer of the American Society of Heating and Ventilating Engineers, at their annual meeting, held in New York City, January 23.

Fred Smythe, of the firm of Wadley & Smythe, retail florists, Fifth avenue, sailed for Europe on Friday, February 21.

The plant auction sales at Wm. Elford & Sons will commence about the middle of March. Cleary's Horticultural Company also intend beginning their Spring sales about the same time.

A serious accident occurred in New York a few days ago, when a wagonette was struck by a fast train while crossing the railroad tracks. Among several people killed was a cousin of B. S. Slim, the well-known wholesale florist of Twenty-sixth street and Sixth avenue.

Professor L. C. Corbett, Horticulturist of the United States Department of Agriculture, Washington, D. C., will read a paper at the club meeting on Monday, March 9, on the "Preparation of Soil for Greenhouse Purposes."

The annual convention of the National Association of Gardeners will be held in New York City, March 19 and 20, 1908.



In the Rose Section of Exhibition of Illinois State Florists' Association at Springfield.



Group of Visitors at Greenhouses of Antrim C. Brown, Springfield, during convention of Illinois State Florists' Association.

while the color does not make it a favored commercial sort, Mr. Brown says he has no difficulty in disposing of a liberal cut, most of the flowers going to the gubernatorial tables in Illinois and other States. The variety originated from a cross between Enchantress and Governor Roosevelt. White Enchantress is much liked here, and is producing a quantity of perfect blooms, many fully four inches in diameter. All the benches are mulched with old horse manure, the soil available at the establishment having a tendency to dry out badly. A department for seedlings, and some trial benches of a few promising sorts, are quite interesting. There are two pink seedlings and a scarlet which will probably get to the disseminating point. A light lemon variety is also very pleasing. A house of single violets looks very fine, the flowers being quite large and well stemmed. There are several benches of cinerarias, especially well-flowered and comprising a handsome collection in variety. A lot of fine hybrid tea roses in pots show healthy breaks in course of preparation for Easter. Some houses of American Beauty, Bride, Bridesmaid, Killarney, Perle des Jardins and Richmond are in grand shape, although, with the exception of Richmond, not yet in crop. After going the rounds of the houses the visitors were entertained in the potting shed, refreshments being liberally served.

The party next visited the establishment of A. C. Canfield, where several houses of Bride and Bridesmaid roses, all grafted stock, and carnations were seen. Among the carnations was noticed a new scarlet variety originating here, which has been named Red Nelson Fisher. Mr. Canfield says it comes into cut shortly after planting and is very prolific, averaging

ten, Enchantress, White Perfection and Variegated Lawson. The latter is liked here much better than Patten. Dorothy Whitney is grown as a yellow. There are some fine houses of Bride, Bridesmaid, Mme. Abel Chateau, American Beauty, and Richmond roses, the latter in excellent crop and producing good long-stemmed flowers. Gladiolus is forced in the carnation benches, and flower spikes are already appearing on some of the stock. Boston ferns are also well done here. Business appears quite brisk in the retail department, a quantity of funeral work being in hand. J. H. P.

DAVENPORT, IA.—The Tri-City Florists' Society held a well attended meeting February 13, with John Stanek of Moline. The meeting was addressed by Mr. Rupp of Chicago, who spoke at length on modern greenhouse construction. The main discussion of the evening was on "Preparation of Easter Stock." One new candidate was admitted to membership and several routine business matters transacted. The committee which has charge of the annual banquet submitted a report in which the date of the banquet was changed to March 19. The committee has chosen the Manufacturers Hotel in Moline. The nomination of officers for the coming term took place and practically all the old officers were chosen. The election will be held in the near future. John Temple was chosen as representative to the American Rose Society's convention which will be held in Chicago on March 25 and 26.

Following the business meeting a social evening was enjoyed and refreshments were served. The next meeting will be held with Harry Bills of Davenport.

Next Wednesday, March 4, sees the beginning of Lent. It is not the rule that the flower business suffers a great deal during the Lenten season, though last year was an exception, business during that period at that time falling off quite considerably. There is one consolation this year, however, and that is, with the beginning of Lent, business in cut flowers is in such a state that it would seem impossible for it to get much worse.

Clan McDonald of Brooklyn intends devoting a Saturday night to a musical rendering of some of the songs of Tannahill, believed by many to be the greatest Scotch song writer. On this occasion John Birnie, West Hoboken, N. J., will be the guest of honor, he having initiated the affair, and should the date be set for this Saturday, February 29, it will prevent Mr. Birnie attending the dinner of the Florists' Club. This will be easily understood by those who are acquainted with Mr. Birnie. It goes without saying that Scotch music has the preference with him first, last and all the time. Let us hope, however, that the Tannahill night of Clan McDonald will come on some other Saturday than this one.

The florist store of Daniel Angelos, 416 Sumner avenue, Brooklyn, was burglarized recently, the thieves getting away with \$7 in cash, a suit of clothes and a suit case.

The Rapp Horticultural Building Company is a new incorporation, capitalized at \$100,000, for the manufacture of hot-houses, greenhouses, etc., with offices at 1 Madison avenue. The incorporators are William J. McCormick, 562 West One hundred and Seventy-third street; Roy L. Rapp, 1 Madison avenue, both of New York City, and Wm. C. Lange, College Point, N. Y.

at Allaire's Hall, Seventeenth street and Third avenue. Among those who will address the meetings are George T. Powell, John T. Withers, Charles H. Totty and Patrick O'Mara. A banquet has been arranged for the closing evening, March 20, at Allaire's restaurant, at which fifty of the leading men in the horticultural world have signified their intention of being present. There is a disposition on the part of the Western gardeners to secure the convention in 1909.

PIERRE, S. D. The supreme court has refused to grant a release on habeas corpus asked for in the application of Henry M. Hawley of Sioux Falls in a case brought to test the nursery stock law. The court holds that a bond cannot be required, but that the provisions of the law requiring a fee for doing business, and inspection of stock, are good, and must be complied with. E. R. Winans of this city, represented the American Association of Nurserymen in this suit to test the validity of the law. Mr. Winans states that he and his client object only to the feature of the law requiring a \$5,000 bond, and the dispatch indicates they have won in this contention. In other respects, the law will stand.

ROCHESTER, N. Y. Helen E., wife of Andrew J. Lepper, died at her home on December 14 last, aged 62 years. The couple had been married 40 years and during her life Mrs. Lepper assisted her husband in his work; her loss is keenly felt by him, and the sympathy of the trade is extended to him in his great bereavement.

FERNS

MY SPECIALTY

I have an immense stock of assorted ferns for Jardinieres, healthy and bushy, none better; in 15 of the best market varieties, including *Cyrtium Falcatum*, *Aspidium Taussemense*, *Pteris Wimsettii* and *Mayii*, in good proportion, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.

- CENTER PLANTS (Exact Size)**
- Kentia Belmoreana*, 2 1/4 in., \$1.30 per doz., \$10.00 per 100.
 - Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
 - Adiantum Cupatum*, fine stock, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
 - Adiantum Farleyense*, 4 in., \$4.75 per doz., \$35.00 per 100; 5 in., \$8.50 per doz., \$65.00 per 100, 6 in., \$12.00 per doz.
 - Adiantum Gracillimum*, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000.
 - Cibotium Schiedel*, 4 in., \$3.50 per doz., \$25.00 per 100.
 - Nephrolepis Scottii*, 6 in., \$7.00 per doz., \$60.00 per 100; 8 in., \$15.00 per doz., worth the double.
 - Elegantissima* and *Pieroni*, 5 in., \$5.50 per doz.
 - Fern Spores**, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, Short Hills, N. J.

Bushy Ferns

Unusually fine stock of the Holly Fern (*Cyrtium falcatum*), *Pteris cretica* albo, *Pteris Wimsettii*, etc. 3 in. pots, 6c.; 2 in. pots, 3c. We have never had better plants and will give you very liberal count on January orders.

Cibotium Schiedel, 3 in. pots for growing on 20c.

ASPARAGUS Plumosus, extra strong 2 in. stock but with some of the foliage slightly disfigured. Give them a small shift and they will make fine plants. \$2.00 per 100.

PRIMULA Obconica Grand. In full bloom. 3 in. pots, 5c.; 3 1/2 in. pots, 6c.; 4 in. pots, 8c.

R. G. HANFORD, NORWALK, CONN.

FERNS

Boston, Scottii, 4 in. 15c.; 6 in. 40c. Some extra heavy *Scottii* at 60c. each. All pot grown.
Asparagus Plumosus, 2 1/4 in., \$3.50 per 100.
KENTIA Belmoreana, 4 in., \$25.00 per 100.
Standard varieties of carnation cuttings at popular prices.

H. WESTON, Hempstead, N. Y.

NEPHROLEPIS

WHITMANI, 2 1/2 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.
FERNS, Boston, 2 1/2 in. \$3.00 per 100.

Henry H. Barrows & Son, Whitman, Mass.

ADIANTUM FOR SPRING SALES

A. Hybridum, 2 in., \$3 per 100; 2 1/2 in., \$5 per 100.
3 in., \$7.00 per 100. The finest of

MAIDENHAIR FERNS
LEY & BRO. HIGHLAND, Ulster Co., N. Y.

FERNS

BOSTON, 3 in. \$6.00; 4 in. \$12.50; 5 in. \$25.00; 6 in. \$40.00 per 100; 7 in. 90c. each.
PIERSONI, 3 in. \$6.00; 4 in. \$12.50 per 100.
ASPARAGUS PLUMOSUS or **SPRENGERI**, 2 in. \$3.00; 3 in. \$6.00; 6 in. \$40.00 per 100.
Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

Nephrolepis Scottii

In the following sizes, extra good value: 2 1/2 in. \$5.00 and \$1.00. **GRAND SPECIMEN PLANTS** at \$3.00, \$4.00, \$5.00 and \$6.00.

JOHN SCOTT

Rutland Rd. and E. 45th St., Brooklyn, N. Y.

LATANIAS

Pine strong plants, 2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$6.00 per 100, \$50.00 per 1000; 4 in. \$11.00 per 100.
KENTIAS, Belmoreana and Forsteriana, 4 in. 25c., 5c., 5 in. 50c., 75c.; 6 in. \$1.25, \$1.50. Large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.
PANDANUS Utilis, strong 2 in. \$2.50 per 100, \$20.00 per 1000.
AZALEAS INDICA, fine plants, 35c. to \$2.00 each.

FERNS

Boston and Pieroni, 4 in. 15c., 5 in. 25c., 6 in. 50c., 7 in. 75c.
Whitmani, 4 in. 15c., 5 in. 50c., 6 in. 75c. to \$1.00, 7 in. \$1.50 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.
Small **FERNS** for dishes in A1 shape, \$2.00 per 100, \$25.00 per 1000.

JOHN BADER, Mount Troy, ALLEGHENY, PA.

Araucarias

Nice plants from 5 in. pots—
4 to 5 Tiers
60c. each; \$5.50 per dozen.
THE CONARD & JONES CO.
WEST GROVE, PA.



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ROBERT CRAIG & CO.

ROSES, PALMS, CROTONS

CARNATIONS and Novelties
in DECORATIVE PLANTS
Market and 49th Sts. PHILADELPHIA, PA.

FERNS For Jardinieres

Best varieties, strong, healthy plants from 2 1/4-4-inch pots, \$3.00 per 100; \$25.00 per 1000. 500 at 1000 rate. 3-inch, \$6.00 per 100.
CIBOTIUM Schiedel, 6-in. pots, \$1.00 each.
Nephrolepis Scottii, 7-in. 75c. and \$1.00 each; 9-in. \$1.50 and \$2.00 each.
FRANK N. ESKESEN, Main Street, Madison, N. J.

FINE FERNS FOR JARDINIERS

Very lush and in best varieties. Liberal count on all orders. 2 1/4 in. pots, \$3.00 per 100, \$25.00 per 1000.
ASPARAGUS Plumosus Nanus, 2 1/4 in. pots, \$3.50 per 100, \$30.00 per 1000.
Cibotium Schiedel 6 in. pots, \$1.00 each.
THOMAS P. CHRISTENSEN, Short Hills, N. J.

EASTER ANNOUNCEMENT CARDS

We have in preparation, and will issue in ample time for the Easter season, six different designs in Easter Announcement Cards, prepared specially for those who sell Easter stock at retail. These Announcements are simple but effective, and very inexpensive. For a set of samples, etc., address
De La Mare P. & Co., P. O. Box 1697, New York

THE WEEK'S WORK

Timme's Timely Teachings.

Marguerites.
It is the plant of good size and spread, cut back in the Fall, given the richest of compost and now firmly established in reasonably large pots, that flowers most freely. Marguerites of that description are now furnishing a lot of fine blooms, have done so for weeks, blooms that it would even pay to raise in quantity for the wholesale market were the growers at a loss how best to utilize spare room. That is never the kind of quandary that sets the thrifty retailer a-thinking. For all that and despite the ruggedly unattractive appearance of the overworked Marguerite, the plant is the local florists' handy friend in need. As such it surely deserves to be grown in a limited way on every place where a variety of stock is to supply a multifarious retail demand.

Then there is the Marguerite for Easter, not a different variety, but a different plant altogether from the one flowering itself to death at the faraway corner of the greenhouse. Here we want something spruce, neat and nobby. We get it by rooting sturdy side and top shoots from December until early March, potting them up when ready, pinching them back once or twice, affording the needful amount of moisture, light and fresh air in one of the intermediate or cool houses and thus having most of the plants in bloom and good shape for Easter. The fleshy tops pinched away in stopping also root and grow into the proper kind of plants for the filling of pans or the grouping of several in a pot; nothing in the line of Easter offerings the good grower need be especially proud of, it is true, but well to be supplied with for a certain class of demand at certain times when azaleas run high and the money thins low. Any such stock left over from holiday and Spring sales will with ordinary care grow into good plants for next season.

Petunias.
Well grown 4 or 5-inch pot plants of ever-flowering annuals are good stock at all times. If taken in hand by the average grower with the same sort of average skill that he is compelled to exercise in other lines of plant production, their being merely common annuals would not stand in the way of bringing them into as great favor with plantmen as they already are with buyers. For, be it understood, that any of the annuals suitable for the purpose here in view—and there are dozens of them—require the same amount of careful attention in their raising as anything else destined

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235 Broadway, Room 1, New York City.

ORCHIDS

We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices. Write us for information as to kinds and prices.
We have just received the following orchids: *Oncidium Tigrinum*, *O. Sarcoodes*, *O. Forbeellii*, *Sophranitis grandiflora* and *coccinea*.
LAGER & HURRELL, Summit, N. J.

Thousands of Orchids

In Sheath, Bud and Flower.
Write for particulars and catalogue.
JULIUS ROEHR'S CO.
RUTHERFORD, N. J.

ORCHIDS

We shall receive this Spring large quantities of imported ORCHIDS, namely: *Cattleyas*, *Dendrobiums*, *Oncidiums*, *Laelias*, *Vandas*, etc. Our facilities for handling large consignments are second to none. We have four collectors, including our Mr. Carrillo, who collect exclusively for us. Our quality and price are too well known to need further comment—a trial order will prove it.
CARRILLO & BALDWIN, Secaucus, N. J.

to figure as attractive, well-finished pot or market plants. By banishing the idea that common garden annuals are the connecting link between florists' plants and worthless weeds, requiring far less care than the former and but a little more than the latter, the first and greatest obstacle to the more extensive culture of such things as petunias, snapdragons, mignonette, stock, phlox, etc., for the purpose indicated would be removed. If really well done their title to a place on any greenhouse bench alongside of the best grown of geraniums, fuchsias, heliotropes, cyclamens, etc., cannot be disputed, nor their value as profitable stock, because they are readily sold and require a much shorter time to become salable.

None of the annuals is easier grown into fine, compact market plants than the petunia. Seeds may be grown into as fine plants as cuttings by selecting one or several of the best sorts, and this at any time of the year. For the early Spring sales in flowering potted plants, the little seedlings should now be near their first transplanting, either into little pots or once more into other boxes. Any good soil will do, but should not be too rich for the last shift. The first week in March is time enough to sow petunias for general bedding stock.

Salvias.
Another good thing for the trade in flowering potted plants throughout the greater part of the year is the salvia. As such it has not received the amount of attention that it deserves, while for bedding purposes its good qualities have now placed it on an almost equal footing with geraniums. The number of new varieties is not increasing to the extent of embarrassing the grower in deciding on what would be best for the purpose his salvias are intended to serve. Very tall varieties are wanted, something that will form the rear rows of borders running along garden walls, a covering for the rough facing of brick and stone foundations, anything tall in freely flowering salvia for isolated groups, hedge-like screens and unsightly corners. The old *Salvia splendens*, growing in good soil to a height of four feet, comes mighty handy for just such places. Its intensely scarlet spikes, a foot in length, were the glory of the garden, if chance favored the old thing. It would wait too long before it got ready to flower, sometimes being blackened by frosts before it ever showed bloom. That is why the new kinds were welcomed by everybody. Their early and continuous flowering speaks for them; in that they have been improved; also in the number of flowers produced on the individual plant, but not in depth of color or size of flower spikes. I suppose that is all according to what one should expect; every kind of gain seems to mean a loss somewhere. But why work toward the dwarfing of salvias? Dwarf salvias are not as good as tall ones, are not as serviceable, nor are they as full of life and vigor as any of the newer kinds first introduced and coming nearest to being right for what salvias are wanted. Dwarf salvias are not better for pot culture than any others of compact, free-flowering habit, and in low growing bedding plants there are any number far better than dwarf salvias. It is the tall salvia that everybody calls for.

Impatiens and Torenia.
Admirable for Summer bedding and pot culture are the newer hybrids of *Impatiens Sultanii* and *I. Holstii*, and the same can be said of *Torenia Fournieri*. Both of them want about the same treatment all through. In heavy clay soils or over-enriched borders neither of them will ever amount to much, while in sandy, fairly good ground they are truly fine. The seeds should be sown early, not much later than the end of February. They are slow in covering the seed pan with thrifty plantlets, need bottom heat, care in watering and a pricking over as soon as they can possibly be handled. After that they grow faster and when once transplanted into small pots they go right ahead, rapidly gaining in vigor and spread and meanwhile beginning to flower on the tips of every shoot. Another transplanting into 3-inch pots makes them salable stock for bedding, flowering all the while with never a let-up until destroyed by the first frosts in Autumn, for both *torenia* and *impatiens* are quite tender. If planted in a too rich soil they will make an undesirably rampant growth apt to impair the beauty of either as an ever-blooming dwarf bedder. As 4 and 5-

inch potted plants, shapely bushes, all ways laden with bloom, they greatly add to an attractive diversity of the stock displayed and not a little to the sum total of sales. A batch of seedlings raised from a packet or two of seeds of impatiens hybrids will exhibit a great variety of shades in the flowers as also in the habit and behavior of the plants. Red and crimson generally predominate, a small percentage throwing flowers of a delicate light pink or bright, deep salmon color. These latter are the prizes. A bed of these presents a marvelous sight all Summer, and as greenhouse potted plants there is nothing nicer. Any such plants, especially those of a sturdy, bushy growth, should be held in stock to be multiplied by cuttings, which root as easy and quickly as colons, look somewhat like them, too, and require the same treatment, but, unlike colons, are not overrun with mealy bug in Winter.

Wallflowers and Stocks.

The so-called Winter-flowering or Brompton stocks are half-hardy biennials, the most fragrant of all the kinds of stock and the best for pot culture. English wallflowers are perennials, almost hardy and noted for their peculiarly sweet odor. Both thrive under about the same method of culture, which is so easy and simple that its being not more exacting or fussy has probably been the reason why florists on this side of the Atlantic would rather fill their houses with more expensive and less profitable plants to overflowing than to grant a half-dozen square yards of bench space to things requiring less coal, less care and less hustling to convert them into good property and easily earned cash. Seeds sown in early Spring, either in trays in the house or in a cold frame, sprout in less than a week, are pricked off when yet quite small, the wallflowers not needing it so much as the stocks; and after that the seedlings grow rapidly into the proper height, two or three inches, for being planted in the field. In September they are fine compact bushes showing buds. All the wallflowers are potted up; of Brompton stocks only the double flowering plants, the singles being of little value except for seed raising, the doubles playing no part whatever in the matter of seed production. The potted plants are carried through the first and greater part of Winter in well-protected frames or some cool greenhouse, and if in February or March afforded a little more heat, a little more water and stood where light and air are not lacking, both will soon begin to bloom, spreading delicious fragrance and delighting all comers. Single French wallflowers can be forced during Fall and early Winter. The process of culture is similar to that outlined for the English kinds, but instead of potting the plants in the Fall they are benched, and in moderate heat with plenty of ventilation will furnish spikes of bloom for cutting until away into February.

Ten-Week Stocks and Candytuft.

The principal attribute, fragrance, which has won for the forcing kinds of wallflowers recognition in the cut flower market, is not entirely lacking in ten-week stocks, though it is not as pronounced as in the Brompton stock or as captivatingly sweet as that emitted by wallflowers. But bright color adds to the value of annual stocks for cutting as well as for outdoor bedding purposes. Some few of the varieties admit of being grown into acceptable 4-inch potted plants within so short a time as to make any retail grower's effort in this direction worth while. Best varieties for this purpose are the dwarf and bushy La France, Snowflake, May Queen, Brilliant and Princess Alice, also the wallflower-leaved strain of ten-week stocks. For the garden all kinds are good, but give out toward Fall. As forcing stock for cutting the taller, large-flowering sorts pay best, if the term forcing is not taken too literally, because even the best adapted for indoor culture dislike high artificial heat, and highest results are only obtained in cool, well-lighted and frequently aired houses. For early Fall and Winter the two varieties, Beauty of Nice and Empress Elizabeth, are most easily made to produce fine material for cutting. Of all the varieties of candytuft those bringing white flowers are the best for cutting and of these none is quite as good as Empress, now grown to some extent but meeting with uncertain demand at the markets, though useful at all times as a home commodity. The seeds of both candytuft and ten-week stocks come up in a few days and also

damp off quickly if overwatered, sown too thickly or when fresh air is withheld. The mildly heated frame out of doors is a better place than the fire heated greenhouse for the starting of the seeds as well as for the transplanted small seedlings of both stocks and candytuft. A mixture of very sandy, liberally enriched loam is the best soil to use for these sorts of plants.

Schizanthus.

For the garden border it is not difficult to find something more satisfactory than schizanthus. One must look sharp to perceive its merits as a bedding plant. But as a pot plant it is certainly good, and wherever it fails to make good as such it is not the plants' fault but the grower's fault. Its culture is easy enough and its progress very rapid too rapid for some growers to follow it up with proper attention. Schizanthus is not a hothouse plant, and although the germination of the seeds may be hastened by a little bottom heat, any sort of pushing by means usually employed in hastening growth, including a high degree of temperature, very rich soil and humid, close atmosphere, is not only needless but sure to result in anything but nice, self-supporting, blossom bedecked bushes, such as the grower had in mind when he sent for the seeds. The seeds must be sown thinly on sandy, porous soil, not necessarily leaf mold, be held fairly moist and the boxes removed close to the light as soon as the seeds have sprouted. If not too crowded a pricking off is not necessary, and the seedlings are allowed to grow into sturdy little plants, which does not take them long, and are then put singly into little pots, another shift into pots a size larger becoming necessary soon thereafter. All this time the fast advancing plants want to be up close to the light and not away from where fresh air can have its play about them. Now they will soon form buds, a legion of them on every plant. It is then time to give them the last shift into 4, 5 or 6-inch pots, according to spread and vigor, which vary in any lot of schizanthus seedlings to about that extent. The soil for this last transplanting should be more enriched with old barnyard manure and a little bone meal. The plants will be finer under greenhouse culture right along than if placed in outdoor frames, always provided the greenhouse is not too warm and amply equipped with freely opened ventilators. FRED. W. TIMME.

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Splendens Gigantum Hybrids

Finest strain in the world. Perfect flowers of Giant type in 5 true colors twice transplanted from flats \$3.00 per 100, \$25.00 per 1000.

Asparagus Plumosus Nanus

Special offer from 2 1/2 in. pots \$3.00 per 100, from 3 in. pots \$5.00 per 100.

Cannas Started from Sandbed

Alph. Bouvier, Chas. Henderson, Chicago, Papa, Florence Vaughan, Eganale, J. D. Cahos, Queen Charlotte, \$3.00 per 100, \$5.00 per 1000.

Cineraria Hybrida Maxima Grandiflora

From 2 1/2 in. pots \$2.50; from 3 in. pots \$4.00 per 100.

SATISFACTION GUARANTEED PAUL MADER, East Stroudsburg, Pa.

Alternantheras

Strong rooted cuttings, red and yellow, 50c. per 100, or \$4.00 per 1000. Brilliantissima, 60c. per 100, or \$5.00 per 1000.

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A good time to get stock for early planting Princess of Wales, the very best single violet to day well rooted runners and divisions \$1.00 per 100, \$8.00 per 1000; 2000 for \$15.00.

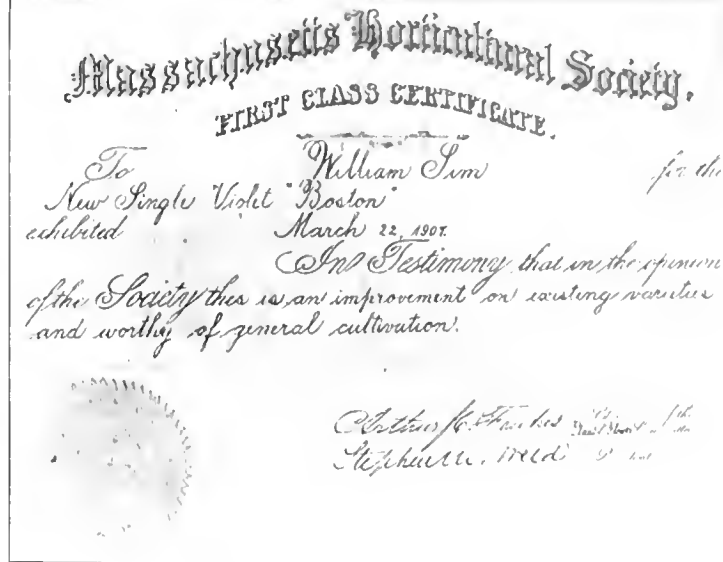
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VIOLETS VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular. 3 in. pots \$6.00 per 100 Cash with order.

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New Violet BOSTON



MORE PROOF

THE BOSTON VIOLET was awarded a FIRST CLASS CERTIFICATE by the Massachusetts Horticultural Society after a careful examination both of the growing plants and flowers. Distribution will commence in April. Order now. Prices, \$2.00 per 12; \$12.00 per 100; \$100.00 per 1000.

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60 CHOICE VARIETIES OF VERBENAS

PERFECTLY HEALTHY—NO RUST. Rooted Cuttings, our selection, 75c. per 100; \$6.00 per 1000. Plants, our selection, 2 1/4-inch pots, \$2.50 per 100; \$20.00 per 1000.

ROOTED CARNATION CUTTINGS—CLEAN and HEALTHY

Table with columns for White Varieties, Red Varieties, Pink Varieties, and Variegated Varieties. Lists various carnation varieties and their prices per 100 and 1000.

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Orders booked for delivery in April, May and June. Chatenay, Killarney, Richmond, Liberty, La France, rose pots, \$15.00 per 100; 3 1/2-inch pots, \$18.00 per 100. Brides, Bridesmaids, Golden Gates, Kaiserin, rose pots, \$10.00 per 100; 3 1/2-inch pots, \$15.00 per 100. Own Root Roses, 4-inch pots, \$9.00 and \$7.00 per 100.

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ORDER NOW Genuine Irish Shamrock

FROM COUNTY MONAGHAN, IRELAND Fine stock in pots \$4.00 per 100; 4 1/2 in. pans \$12.00 per 100. Delivered early in March. Stock limited.

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PLUMOSUS, 2 1/2 in., \$3.50 per 100; \$30.00 per 1000; 3 in., 6c.; 3 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. Commodus, 2 1/2 in., 2c.; 2 1/2 in., 3c. Sprenger, 2 1/2 in., 3c.; 3 in., 5c.; 4 in., 10c. Long Distance Bell Phone, Lackland.

Terms Cash. J. W. DUNFORD, Clayton, St. Louis Co., Mo.

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SITUATION WANTED—As foreman of first assistant in good private place, good experience in all branches. Address, X. X., care The Florists' Exchange.

SITUATION WANTED—By a young man, Swede, aged 22, wishes position as assistant on private place, seven years' experience. Address, Olof Olson, 320 Third Avenue, New York City.

SITUATION WANTED—By young man, well experienced in greenhouses wishes work in nursery, or with landscape gardener, best of references. Address, Y. M., care The Florists' Exchange.

SITUATION WANTED—By bright, hustling young man on a fruit farm in California. Will pay own fare if steady work can be had. Address, F. L., 217 West 65th Street, New York City.

SITUATION WANTED—Young man wants a position in greenhouse to learn the florist business; good and willing worker. Address, Hrabovsky, 1095 Van Alst Avenue, Astoria, L. I.

SITUATION WANTED—As foreman, fifteen years experience in growing cut flowers and pot plants, capable of handling help to advantage. Best of references. Address, Florist, care The Florists' Exchange.

SITUATION WANTED—German gardener, aged 20 years, married, no children, 12 years' experience, wishes situation on a private place, three years in this country. Address, C. Z., care The Florists' Exchange.

SITUATION WANTED—As foreman, grower, wholesaler or retail. Best experience and references. Married. Eastern States preferred. Address, R. G., care Marshall & Company, 144 West 23d Street, New York City.

SITUATION WANTED—About March 6 by young Swede, aged 18, one year's experience in commercial greenhouses in this country. Quick and willing. Best of references. Commercial place only. Address, B., care The Florists' Exchange.

SITUATION WANTED—By Belgian, private place preferred. Has complete knowledge of growing all plants, outside and under glass. Good references. Address, Alphonse Anthelot, 238 West 55th Street, New York City.

SITUATION WANTED—Young German florist wants position in general greenhouse work, two years in this country, 10 years' experience, good and willing worker. A. Mober, care Ribnick, 1237 Avenue A, New York City.

SITUATION WANTED—By the 1st of March as foreman where roses are a specialty, or gentleman's private place. Jersey preferred, married, aged 30, American, one child, best reference. Address, F. C. S., care The Florists' Exchange.

SITUATION WANTED—As gardener on private estate, single, aged 21, thoroughly experienced in all branches under glass and outside. First-class references. Please state particulars and salary in first letter. Address, F. X. B., care The Florists' Exchange.

SITUATION WANTED—By young man who has worked in greenhouses six years and in New York's best flower shop three years, thoroughly understands plants and is first-class decorator. A. No. 1 references. Address, C. F., 217 West 65th Street, New York City.

SITUATION WANTED—As gardener on private place, single, aged 21 to take charge, will also consider assistant position on first-class private place. Best of references. State full particulars and salary in letter. Address, E. E., care The Florists' Exchange.

SITUATION WANTED—Gardener and florist, German, 20 years of age, wants position in general greenhouse work, private or commercial place, four years' German and American experience, good references. Address, I. W., care Bekar, Brooklyn, 1275 Second Avenue, Flatbush, Brooklyn, N. Y.

SITUATION WANTED—By German gardener and florist, married, 20 years of age, 16 years' experience in landscape gardening and greenhouse cultivation, wishes position as foreman on first-class private or commercial place, good references. Johns Lane, P. O. Box 367, Bostonsdown, N. J.

SITUATION WANTED—As foreman of growing, to select, cultivate, and propagate some of the best wholesale and retail places in America, good grower of carnations, roses and general cut-flower stock. Familiar with steam and hot water, pipe fitting, greenhouse building, etc. Only those having a first-class plant cutting No. 1 stock grown and who can show to give a competent man a chance to have a position asked. Good salary expected. References. State full particulars. Address, X. Y. Z., Binghampt, Conn.

SITUATIONS WANTED

SITUATION WANTED—By a thorough gardener, either on a commercial or private place, aged 28 years, married, first-class grower, carnations, ferns, chrysanthemums and general stock. Best of references. European and American State wages. Address, C. Thum, 157 West End Avenue, New York City.

SITUATION WANTED—By practical all-around florist, as grower of roses, carnations, bedding plants, etc., commercial or private. Capable of taking charge. 20 years' experience, aged 25, best of references as to character and ability. Only those who require the services of a competent man need answer. Address, A. B., care The Florists' Exchange.

SITUATION WANTED—Head gardener on a private place, with first-class references, single, strictly sober, intelligent, good education, 22 years' practical and theoretical experience in all kinds of indoor and outdoor plants, ferns, lawn and plants, also decorating, landscaping, carpet bedding, and fruit and vegetable growing. Interested March 15 or later, good wages expected. Address, H. D., care The Florists' Exchange.

HELP WANTED

WANTED—Assistant gardener, wages \$25 per month, hotel and room. Apply A. Paterson, Saginaw, Mich.

WANTED—An experienced grower of general stock, for foreman in a commercial place of 30,000 feet of glass. Address, M. D., care The Florists' Exchange.

WANTED—Man with some experience in rose growing as assistant in greenhouses in good position in modern up-to-date plant. Address with particulars, B. E., care The Florists' Exchange.

WANTED—On commercial place in Eastern Pennsylvania, single young man who has had several years' experience in rose growing. Address with particulars, H. H. B., care The Florists' Exchange.

WANTED—A young man with some experience on a commercial place. State experience, salary expected and references. Ed. A. Leventz, 6 Spring Street, Middletown, N. Y.

WANTED—A New York Wholesale Cut Flower House wants an all-around, energetic young man, familiar with the New York trade. A good opening for the right party. State salary and references to H. W. H., care The Florists' Exchange.

WANTED—Greenhouse man familiar with general bulbs, bedding stock. Small entrance to the place, for man and family to live in. Greenhouse one mile from town, trolley passes the door. Steady work to competent man. State wages in letter and give references. Joseph Young, Troy, N. Y.

WANTED—Manager for Dunlop's retail store in Toronto, Ont. This store does the leading and best business in Toronto and requires a man of the very best type who is thoroughly competent and up-to-date in decorating and designing. Apply with references to Henry Whinnit, The Arlington Hotel, New York City.

WANTED—By April 1, a working foreman, married, for the change of 25,000 feet of glass, where roses, carnations, chrysanthemums and a general line of bedding and pot plants are grown for retail store. Must be capable of producing first-class material and also fully able to handle help to advantage. John Cook & Son, Bridgeport, Conn.

MISCELLANEOUS WANTS

WANTED—To buy ferns—3,500 Boston, 500 Ferncroft, numbers 10 or from 2 in pots. Joseph Young, Troy, N. Y.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—To rent, with privilege to buy, about 10,000 feet of glass within 20 miles of New York. E. Roman, 1241 Brooklyn Avenue, Brooklyn, N. Y.

WANTED—Aspen cane plumose, 11 and 2 in. Send sample and price stating the number you can furnish. The Tamplin Company, Gella, O.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Discontinued and removed at once. Terms, cash. Address, L. X., care The Florists' Exchange.

WANTED—To lease, by two experienced growers greenhouses, any amount up to 20,000 square feet after Easter. Central States. Full particulars. Address, J. F. M., care The Florists' Exchange.

Thirty cents is the minimum charge for advertisements on this page.

MISCELLANEOUS

Rather Than Throw Them Away

We have some abandoned sets of American Gardening, weekly, published in 1925, '26 and '27, which we offer to subscribers in good standing and will deliver, carriage paid, until sold out at fifty cents per volume, which amount simply pays the expense of its delivery into your hands.

These volumes contain a vast amount of good practical information, and we thought our subscribers might appreciate them. This is our reason for offering them at postage cost rather than throw them away. They were published during the period that this magazine was owned by this company. Cash with order, please. A. T. De La Mare, Inc. & Pub. Co., Ltd., No. 2 Duane St., N. Y.

FOR SALE OR RENT

WRITE for particulars. Greenhouse, 2500 feet of glass, stocked with bedding plants, good demand for cut flowers. Sixteen roomed double dwelling, rents for \$20.00 per month. Geo. F. Heath, Florist, Bismontown, Vt.

FOR SALE—A large, modern and successful floral establishment, the oldest established in the city, having a complete line of cut flowers, potted plants, seeds, poultry supplies, etc. This place must be seen to be appreciated and under proper management is a money-maker. Will be sold at a price that is right. For further information address C. E. Ryan, Custer, 307-8 Dollar Bank Building, Youngstown, O.

STOCK FOR SALE

CUTTERS, strong rooted cuttings, finest mixed, 60c per 100. D. H. Ruttenhoff, Seneca Falls, N. Y.

HEALTHY strong cuttings, unrooted. Rose, chrysanthemum, 1000. Queen Louise, \$1.00 per 1000. Wm. S. Horzog, Morris Plains, N. J.

GERANIUMS, Mme. Salleron, Ageratum, German Ivy, Mesembryanthemum, Cigar Plants, \$2.00 per 100. Geo. E. Talbot, Putnam, Conn.

GIANT PANSY PLANTS, Krupp's Giant selected, strong, from open ground, 75c per 100, shipped. For further information address Miss Ada J. Brooks, Sorrento, Fla.

BERBERIS THUNBERGII SEEDS, \$1 per pound. Linstrum, Botta seeds, 50c per pound. Cash please. Francis Hadden, 270 Dudley Street, Roxbury, Mass.

GERANIUMS, Mme. Salleron, 100 potted cuttings from sand, \$1.00 per 100, 500 Fall struck in 2 1/2 in. pots, \$2.00 per 100, cash with order. John Curwen, Germantown, Pa.

DAHLIAS, strong, undivided, field-grown clumps. A. D. Layton, Nymphæa, orange King. Special low price. Surplus list of varieties for stamp. William C. Hart, East Warden, N. Y.

FIRST-CLASS Primula obconica grandiflora seed, hand fertilized, something extra fine, 50 per cent, finest dark colors, fine trade plant. Henry Brinker, 43 West Jessamine Street, St. Paul, Minn.

DAHLIA ROOTS—Undivided field clumps. Lynnhurst, Mass. of Kent, William Agnew, White Swan, Kremlinde, John Walker, Catherine Duer and A. D. Livonia. Write for low prices. Wood & Beale, Hammoncton, N. J.

SHAMROCKS—Genuine Irish shamrock, original plant coming from cemetery, Downpatrick, Ireland. Without pots, \$4.00 per 100; \$25.00 per 1000, with pots, \$1.50 per 100, \$8.00 per 1000, 25c at 1000 rate. Order early. Terms, cash. J. B. Harcourt's Son, Wappingers Falls, N. Y.

SAND-ROOTED Carnation Cuttings, A No. 1 stock, express paid, Victory, \$22.00; Pink Lawson, \$18.00; White Enchantress, \$48.00; Rose Pink Enchantress, \$30.00; Winsor, \$48.00; Lady Bonfield, \$25.00 per 1000. A. Lamb & Son, Hightstown, Dutchess County, N. Y.

FOR SALE

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parschelsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Releh, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—One tubular steam boiler, 50 horse-power, in excellent condition; price, \$150.00. One cross-hatched hot water boiler, No. 1, will heat 6000 feet of glass. Used only three seasons, price, \$100.00. Write Graser & Humphreys, Mt. Sterling, Ky.

THE OCEAN COUNTY MOSS & PEAT CO., WARETOWN, N. J. Dealers in Sphagnum Moss and Fibrous Peat. Also peat in its natural state, in large quantities in sacks containing 2 1/2 bushels. For further information call or write to W. H. Stackhouse, Prop. Prompt attention given to all correspondence. Good reference on demand.

FOR SALE

FOR SALE—Large, roomy ice-box, well adapted for wholesale use, good as new. Size, 9 feet 9 inches wide, 12 feet deep and 19 feet high. Address, Hicks & Crawford, Inc., 75 Court Street, Brooklyn, N. Y.

FOR SALE—Tobacco dust, 100 pounds in sacks, 250 pounds in case lots, about 400 pounds, 2c. per pound. Tobacco stems, in bales, \$2.00, about 400 pounds. Cash with order. S. H. Levy, Binghamton, N. Y.

FOR SALE—Second-hand boilers. One No. 5 Weathered, capacity 1,000 feet, 4 inch pipe; one No. 5 Hitchings, capacity 900 feet, 4 inch pipe; one No. 57 Hitchings, sectional, capacity 2,600 feet; two eight-sectional Weathered boilers. Write for information and prices. Wm. H. Lutton, App. West Side Avenue Station (C. R. R. of N. J.), Jersey City, N. J. Telephone 412 Bergen.

FOR SALE—Ice-Box, 88x84 feet, with full double plate glass front glass door at each end, also at oak top counter 48 1/2 feet, open in bottom and a semi-circular lower stand having three shelves. All painted white and in good condition. Can be shipped after March 20. Best reasons for selling. Write now for prices, photo and particulars. Address, Box 526, care The Florists' Exchange.

SECOND HAND PIPE & BOILER TUBES

Of all sizes, in good condition, suitable for steam purpose, coupled and threaded, for sale at low rates. 5000 feet 1 inch pipe, 3c. per ft.; 2000 feet 1 1/4 inch pipe, 4c. per ft.; 2000 feet 1 1/2 inch pipe, 5c. per ft.; 2000 feet 2 inch pipe, 6 1/2c. per ft.

EAGLE METAL & SUPPLY CO.,

Johnson Av. @ Broadway, BROOKLYN, N. Y.

SIFTED LEAF MOULD, \$1.00 per barrel; graded Peat, in lumps, \$1.75 per barrel; Laurel toping well made, \$4 per 100 yards; Laurel branches, 50c, large bunch; fancy ferns, \$1.00 per 1000; head lettuce plants, \$1.00 per 1000, ready now. Also pepper, sweet potato and tomato plants after March 20, best varieties in quantity. Canna Plants, Escabe, Port-vine and Crozy, \$1.50 per 100. Best Jersey Marl in sacks; best thing for lawns, \$5.00 per ton. Will exchange for Vinca variegata, white geraniums or carnation rooted cuttings, hardy perennials, shrubs. Buy from first hands; save that middle profit for yourself. Cash with order. L. Pope & Son, Barnstboro, N. J.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 2 1/2c.; 1 1/2 in. 3 1/2c.; 1 3/4 in. 4 1/2c.; 2 in. 5 1/2c.; 2 1/2 in. 6 1/2c.; 3 in. 7 1/2c.; 4 in. 10c. per ft. New 2 in. Standard steam, 15c. All kinds of fittings for 1 in. cast iron and all sizes wrought iron.

STOCKS AND DIES

New Economy, easy working, No. 1 cuts 1 1/2-1 in. \$7.00, No. 2 cuts 1 1/2-1 1/2 in. \$7.00, Armstrong Adjustable No. 2 cuts 1 1/2-1 in. \$1.00, No. 3 cuts 1 1/2-1 1/2 in. \$6.50, Second-hand Armstrong No. 3, \$5.00, No. 2, \$3.00.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$20.00; one 16 in. grate, new, round boiler, heating 900 sq. ft. of glass, \$40.00. 1 No. 570 Richardson, five section water boiler, grate 30 by 28, heat about 5000 sq. ft. of glass, used one season, \$125.00. 1 American Radiator, four section water boiler, grate 67 by 49, heat about 15,000 sq. ft. of glass, price \$225.00. 1 Pierce Butler and Pierce Sterling Round Sectional boiler, grate 20 inches, heat about 1500 sq. ft. of glass, price \$50.00. The above boilers are guaranteed to be in good condition. We have other sizes and makes, write for prices.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. \$1.50, No. 2 cuts to 2 in. \$1.50.

STILLSON WRENCHES Guaranteed 14 in., 18 in., grips 2 in., \$1.00; 21 in., grips 2 1/2 in., \$1.20; Chain wrench grips, 6 in. \$2.75.

PIPE VISES Brod's Best Hinged Vise, No. 1 grips 2 in., \$1.75; No. 2 grips 3 in., \$2.50.

GARDEN HOSE 50 ft. lengths 3/4 in. guaranteed, \$1.25; 1 1/2 in. for heavy work, guaranteed, \$2.25.

HOT-BED SASH New, Gulf Cypress, 3 ft x 6 ft 6 in. Second hand sash glazed, \$1.25, good condition.

GLASS "In lots of 10 boxes," New American, 50 ft. to the box, 10x12 single at \$1.80 per box, 10x12 1/2 double, \$2.30 per box, 10x12 1/2 double, \$2.50 per box, 10x12 1/2 double, \$2.75 per box. Discount in large quantities.

PECKY CYPRESS \$25.00 per 1000. We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers 1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

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ASPARAGUS Plumosos, 2 in., \$2.25 per 100; \$20.00 per 1000.

STOCKS, double white, 5 in., 10c.

REX BEGONIA, separate varieties, 2 in., strong, \$3.00 per 100.

ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100.

GERANIUMS, S. A. Nutt, Heteranthe, Gloire de France, strong plants, 2 in., \$2.00 per 100; \$13.00 per 1000. Mixed, strong plants, \$1.75 per 100; \$17.00 per 1000.

ARAUCARIA, 20 in., four tiers, \$1.00.

FERNS, Scottii, 4 in., 10c.; 5 in., 15c.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harro, Italia, America, \$2.00 per 100.

Will exchange for Geraniums, R. C. Carnations, R. C. Write us.

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HEALTHY CARNATIONS WELL ROOTED

Table with 2 columns: Variety, Price. Queen, white, \$1.00; Snowdrift, \$1.25; Boston Market, \$1.50; Joost, pink, \$1.25; Red Sport, red, \$2.00.

Unrooted Carnation Cuttings at half price. Extra count for express.

Asparagus Plumosus Nenus, strong, 4 inch, \$4.00; Paris Daisies, 10 bud, yellow, 4 in., \$8.00.

Cash with order.

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Table with 2 columns: Variety, Price. Giant Flowering, \$2.50; COLEUS, 10 var. 2 1/4 pot, 2.00; CANNA Henderson, dry bulbs, 2.00; GERANIUMS, 10 var. 2 1/2 pot, 25.00; VINCA Variegated, 2 1/4 pots, 2.50.

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AMPELOPSIS VEITCHII

10,000 well-rooted, 20 to 30 inch, \$2.50 per 100; \$20.00 per 1000. 1000 one-year seedlings, 12 to 24 inch, \$1.50 per 100; \$12.00 per 1000. In pots of 2000 and over, \$10.00 per 1000; fine for transplanting; packed free of charge. For samples by mail send 25c. in stamps.

Address, CHARLES BLACK, Hightstown, N. J.

NOW READY

Well Rooted Carnation Cuttings From Healthy Stock

Table with 2 columns: Variety, Price. Enchantress, \$2.50; Boston Market, \$1.50; Mrs. T. W. Lawson, \$1.50; Red Lawson, \$2.50; Winsor, \$3.00; Robert Craig, \$3.00; Queen Louise, \$1.50; White Enchantress, \$3.00.

Cash with order.

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West 200th Street and Fort Washington Avenue NEW YORK CITY

CARNATIONS

Table with 2 columns: Variety, Price. White Enchantress R. C., \$6.00; Enchantress, light pink, \$2.50; Lawson, \$2.00; Lord, light pink, \$2.00; Queen, white, \$2.00; The Belle, white, \$2.50.

250 at 1000 rate. Express prepaid on orders of 1000 or more.

Get your R. C. early and have blooms when others have none.

Frank H. Kimberly 631 Townsend Ave., NEW HAVEN, CONN.

CARNATIONS

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Rooted CARNATION Cuttings

Enchantress and White Lawson, from sand, \$2.00 per 100, \$18.00 per 1000. Pink Lawson, \$1.50 per 100, \$12.00 per 1000. Queen and Pink Lawson from soil, \$2.00 per 100, \$15.00 per 1000, 250 at 1000 rate.

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S. G. BENJAMIN, FISHKILL, N. Y.

WHITE ENCHANTRESS ROOTED CUTTINGS

\$6.00 per 100; \$50.00 per 1000.

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SCRANTON FLORIST SUPPLY CO., Scranton, Pa.

SMILAX

Cut Strings of Smilax, 7 ft., extra heavy in flower, 12 cts. per string, C. O. D.

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Table with 2 columns: Variety, Price. LAWSON, \$1.50; WINSOR, \$1.50; ENCHANTRESS, \$1.50; LADY BOUNTIFUL, \$1.50; NAVLOR, \$1.50; VICTORY, \$2.00; BEACON, \$2.00; JOOST, \$1.50; HARRY ELNS, \$1.50; ELDOREADO, \$1.50; MRS. PATTEN, \$2.50.

GRAFTED ROSES

\$12.00 per 100; \$100 per 1000. If you can furnish the scions we can quote you lower prices in any quantity you wish.

EDWARD J. TAYLOR, Greens Farms, CONN.

CARNATION CUTTINGS

WELL ROOTED. READY NOW. SPECIAL PRICES

To clean out benches while this lot lasts.

Table with 2 columns: Variety, Price. ENCHANTRESS, \$15.00; LAWSON, \$10.00; J. E. HAINES, \$15.00; PINK IMPERIAL, \$30.00; PINK PATTEN, \$15.00; WHITE PERFECTION, \$25.00; WINSOR, \$50.00.

ALBERT M. HERR, Lancaster, Pa.

UNROOTED Carnation Cuttings

Table with 2 columns: Variety, Price. WINSOR, PINK IMPERIAL, \$30.00; VICTORY, WHITE PERFECTION, \$15.00; ENCHANTRESS, \$10.00.

ROOTED

Table with 2 columns: Variety, Price. WINSOR, PINK IMPERIAL, \$6.00; VICTORY, WHITE PERFECTION, \$3.00; ENCHANTRESS, \$2.50.

An unusually fine lot of SCOTTII FERNS in 7-in. pans, \$6.00 per dozen.

LARCHMONT NURSERIES, Larchmont, N. Y.

ROOTED CUTTINGS OF THE PUREST WHITE ENCHANTRESS. We believe we have the largest and best stock in the country. The reason for this statement is that we were first in the market with this grand pure White. Orders now being booked for March and later delivery at \$6.00 per 100, \$50.00 per 1000. Also a large stock of Winsor, Pink Enchantress, Lawson and other commercial varieties. MICHIGAN CUT FLOWER EXCHANGE, Inc. 38-40 Broadway, DETROIT, MICH.

CLEAN AND WELL ROOTED CARNATION CUTTINGS

Table with 2 columns: Variety, Price. White Perfection, \$3.00; Enchantress, \$2.00; Rose Pink Enchantress, \$3.00; Pink Lawson, \$1.75; Rohl, Craig, \$3.00; Harlowarden, \$1.75; Vesper, \$2.00; Marion, \$1.75; Prosperity, \$1.75; Patten, \$1.75; Lady Bountiful, \$3.00.

MIAMI FLORAL CO., Dayton, Ohio

CARNATIONS

Rooted Cuttings of all the new and standard market varieties. Send for price list.

WM. SWAYNE Kennett Square, Pa. Box 226

CARNATION CUTTINGS AND PLANTS

ONLY THE BEST VARIETIES

SEND FOR OUR LIST

CHICAGO CARNATION CO. A. T. PYFER, Mgr. JOLIET, ILL.

CARNATIONS Rooted Cuttings; Fine Healthy Stock

READY NOW:

Table with 2 columns: Variety, Price. Winsor, \$6.00; White Enchantress, \$6.00; Helan M. Gould and Beacon, \$6.00; Melody, \$4.00; Dohelm, \$3.00; Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson, \$3.00.

Have a few hundred in 4 and 5 in. pots of above varieties. Write for list.

ASPARAGUS

Per 100 Per 1000. Sprengeri, from 3 in. pots, \$5.00; Plumosus Nenus, from 3 in. pots, \$6.00.

VERBENAS

Per 100 Per 1000. Best Mammoth, \$1.00; \$8.00.

CANNAS

Strong Dormant Roots in 30 varieties, \$2.00 and \$3.00 per 100; \$18.00 and \$25.00 per 1000.

ROSES

Grafted and Own Roots, orders booked for early delivery. Killarney, Richmond, Kaiserin, Carnot, Bride, Bridesmaid, Golden Gate, Perles, Sunrise, Sunset, etc.

ROOTED CHRYSANTHEMUMS CUTTINGS

50 fine varieties; \$1.50 and \$2.00 per 100. Send for list.

MISCELLANEOUS

Table with 2 columns: Variety, Price. Ageratum, Cope's Pot, White Cop, P. Pauline, S. Gurney, L. Bonnet, \$1.00; Achyranthus, best varieties, \$1.00; Ampelopsis Veitchii, pot grown, \$8.00; Colous, best bedding and fancy sorts, \$1.00; Cuphea Platycentra, \$1.25; Fuchsia, double and single, \$2.00; Fovearum, double white, \$1.50; Geraniums, best double and single, \$2.00; Heliotrope, light and dark, \$1.25; Ivy, German, \$1.50; Moon Vine, true, white, \$2.00; Salvia Splendens and Bedman, \$1.25; Five early flowering sorts, \$1.50; English Ivy, 2 1/2 in. pots, \$3.00 per 100; Lantana, 2 1/2 in. pots, \$4.00 per 100; Vincas, 1 year, strong, \$10.00 per 100; Vincas, 2 1/2 in. pots, strong, \$4.00 per 100.

WOOD BROTHERS, FISHKILL, N. Y.

ANNOUNCEMENT

Our new seedling carnation TOREADOR will not be disseminated until January, 1909. For further particulars address THE H. WEBER & SONS CO., OAKLAND, MD.

Rooted Carnation Cuttings

It will pay you to send for my catalogue and price list of the best novelties and standard varieties before buying.

A. F. LONGREN, Des Plaines, Ill.

NEW CRIMSON CARNATION
HARVARD

The color of this novelty is a very rich crimson. The blooms are of the finest as to size and quality and the habit is free and continuous, every shoot producing a flower with a calyx which we guarantee as non-bursting. Blooms borne on long, wiry stems from 24 to 30 inches and over. Price \$12.00 per 100, \$100.00 per 1000. Usual discount on large quantities.

New Carnation FAUST (BRILLIANT SCARLET) This novelty very fine for commercial use, owing to its extreme productiveness; a fine one for Christmas trade. Color, form, stems, habit and productiveness all that can be desired. Price \$6.00 per 100, \$50.00 per 1000. Usual discount on large orders.

Mr. J. D. COCKCROFT, Northport, N. Y. NEW YORK, January 16/08.
Dear Sir—We desire to congratulate you on the two varieties of Carnations, GEORGIA and HARVARD, which you have been sending us. Georgia we consider to be the best white carnation that comes to New York, and can easily sell from 50% to 100% more than regular white. Harvard we think to be the best dark red coming here, easier to sell at double the price of any other dark red. With kindest regards, we remain,
Yours truly,
TRAENDLY & SCHENCK, Wholesale Florists.

ADDRESS ORDERS TO **JAMES D. COCKCROFT, Northport, L. I., N. Y.** REMEMBER WE GUARANTEE SATISFACTION

Standard Varieties

Strong, Healthy, Rooted Cuttings

	Per 100	Per 1000
Winsor	\$6.00	\$50.00
Rose Pink Enchantress	3.00	25.00
Enchantress	2.50	20.00
Lawson	2.00	15.00
Queen	2.00	12.50
Victory	2.50	20.00
Queen Louise	2.00	15.00
Red Sport	2.50	20.00
Pink Patten	3.00	25.00

DEFIANCE

The only scarlet to grow for quality and quantity. Let us have your order at once so as to secure early delivery.

\$12.00 per 100. \$100.00 per 1000.

JENSEN & DEKEMA,

W. N. RUDD,

674 W. Foster Ave.,

CHICAGO.

MORGAN PARK, ILLS.

WINONA

The True Pink Carnation for 1908.

A color that attracts attention. Once seen, always wanted

Comes nearest to Fiancee, but is a different type flower. Never Bursts—Every Calyx Perfect. Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock, clean and healthy. Will guarantee every cutting to be first-class. Order now for early delivery. Price, \$12.00 per 100; \$100.00 per 1000. Larger lots, prices on application. With our additional glass we have more than doubled our stock our stock of Carnation plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER:

RED CHIEF, bright scarlet	100 1000	\$5.00 \$40.00	ROSE-PINK ENCHANTRESS, pink	100 1000	\$3.00 \$25.00
BONNIE MAID, pink edged white	5.00 40.00		ENCHANTRESS, light pink	3.00 25.00	
ARISTOCRAT, cerise	6.00 50.00		LADY BOUNTIFUL, white	3.00 25.00	
WINSOR, pink	6.00 50.00		VICTORY, scarlet	3.00 25.00	
BEACON, orange scarlet	6.00 50.00		DOROTHY WHITNEY, yellow	4.00 30.00	
WHITE ENCHANTRESS, white	6.00 50.00		MRS. PATTEN, variegated	3.00	
WHITE PERFECTION, pure white	3.00 25.00		HARRY FENN, crimson	3.00	

F. DORNER & SONS CO., Lafayette, Ind.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.

Enchantress, White Perfection, White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000.

Queen, Boston Market, Pink Lawson, H. Goddard, \$1.50 per 100; \$15.00 per 1000.

Victory, \$2.50 per 100; \$22.50 per 1000. Craig, \$2.50 per 100; \$20.00 per 1000.

Cardinal, \$2.00 per 100; \$17.50 per 1000. Harlowardee, \$1.50 per 100; \$15 per 1000.

Cash with order or satisfactory references.

SMITH & GANNETT, Geneva, N. Y.

Selected Rooted Carnation Cuttings

	100	1000
White Enchantress	\$6.00	\$50.00
White Perfection	3.00	25.00
The Queen	2.00	15.00
PINK		
Winsor	6.00	50.00
Rose Pink Enchantress	3.50	30.00
Enchantress	2.50	20.00
Lawson	2.00	16.00
RED		
Beacon	6.00	50.00
Victory	3.00	25.00
Flamingo	2.00	18.00
CRIMSON		
Harlowardee	2.00	18.00
Harry Fenn	1.75	15.00

All cuttings guaranteed clean and true to name.

B. F. BARR & CO., Keystone Nurseries, Lancaster, Pa.

HEADQUARTERS in Western New York

For

PRICES FROM SAND

PRICES FROM SAND

Winona } \$12.00 per 100
Defiance }
Afterglow } 100.00 per 1000

White Perfection } \$4.00 per 100
Rose Pink Enchantress }
Melody } 35.00 per 1000
Victory }

White Enchantress } Two good
Winsor } things
Helen Gould } \$6.00 per 100
Beacon }
Aristocrat }
Red Chief }

Vari. Lawson } \$3.00 per 100
White Lawson } 25.00 per 1000
Red Lawson }
Mrs. Patten }
Enchantress } \$2.50 per 100
Harry Fenn } 20.00 per 1000
Mrs. Lawson } \$2.00 per 100, \$15.00 per 1000

CARNATION

CUTTINGS

We beg to call your special attention to Winsor and White Enchantress. We have an immense stock of these two grand carnations and can give immediate delivery on cuttings, from soil or pots, strictly first class stock, absolute satisfaction guaranteed. No order too large, no order too small. Try us

White Bros., Gasport, N. Y. Cash with order, or satisfactory reference.

Rooted CARNATION Cuttings

CUTTINGS are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

WHITE:
WHITE ENCHANTRESS 100 1000
\$6.00 \$50.00
WHITE PERFECTION 3.00 25.00
WHITE LAWSON 2.00 18.00
QUEEN LOUISE 2.00 18.00

PINK:
WINSOR 6.00 50.00
ARISTOCRAT 6.00 50.00
PINK IMPERIAL 6.00 50.00
ROSE PINK ENCHANTRESS 3.50 30.00
ENCHANTRESS 2.50 20.00
HELEN GODDARD 2.50 20.00
LAWSON 2.00 18.00

RED:
BEACON 6.00 50.00
VICTORY 3.00 25.00
ROBT. CRAIG 3.00 25.00

CRIMSON:
HARLOWARDEE 2.00 18.00

VARIEGATED:
MRS. PATTEN 2.50 20.00
Add \$1.00 per 100, \$10.00 per 1000, to above prices for 2-in. pot plants.

RECENT INTRODUCTIONS

AFTERGLOW } \$12.00 per 100
LLOYD } (from 2-in. pots.
"SPLENDOR" (Stevenson Bros.), a very promising variety, \$10.00 per 100; \$75.00 per 1000. Prompt delivery.

S. J. REUTER & SON, Inc., Westerly, R. I.

WELL ROOTED Carnation Cuttings

Rose Pink Enchantress	100 1000	\$3.00 \$25.00
Enchantress	2.50 20.00	
Mrs. Lawson	2.50 20.00	
Genevieve Lord	2.00 18.00	
White Perfection	3.00 25.00	
Lady Bountiful	3.00 25.00	
Boston Market	2.00 15.00	
White Enchantress	6.00 50.00	
Winsor	6.00 50.00	
Aristocrat	6.00 50.00	
Mabelle	6.00 50.00	
Beacon	6.00 50.00	
Victory	3.00 25.00	

THE FLORIST'S EXCHANGE, Baltimore, Md.
Franklin and St. Paul Sts.

THE NEW LIGHT PINK CARNATION MAY

You will find in this variety one which you will want to grow in large quantity after you give it a trial. It is one of the few varieties which come in early and keep continually at it until transplanting time. The color is better than Enchantress and the bloom is better than Fair Maid and it is freer than either of them.

We are now sending out fine strong, well-rooted cuttings. Let's have your order now. \$12.00 per 100; \$100.00 per 1000.

Also other new and standard sorts. All the best varieties at current prices. Our stock is in prime condition.

BAUR & SMITH

38th St. & Senate Ave., - - - INDIANAPOLIS, IND.

THE AMERICAN CARNATION

Price \$3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO., Ltd. 2-8 DUANE STREET, NEW YORK

Prices Advertised in these Columns are for

VICTORIA

Cross between Harry Fenn and Lawson, the color of Lawson and a better bloomer than either. A money maker.

Rooted Cuttings \$8.00 per 100; \$75.00 per 1000.

ROOTED CUTTINGS

	100	1000
Queed	\$1.50	\$12.50
PINK		
Aristocrat	5.00	15.00
Enchantress	2.00	15.00
RED		
Victory	2.50	22.50
Robert Craig	2.50	22.50

QUIDNICK GREENHOUSES

J. H. CUSHING, Prop.

Anthony P. O. QUIDNICK, R. I.

FOR SALE

8000 ENCHANTRESS from soil

strong healthy plants shifted twice.

These cuttings were all selected for my own use but have decided to put in roses, and so offer the lot or any part at \$20 per 1000, all guaranteed as represented.

A. L. THORNE, FLUSHING, L. I.

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

SPLENDOR

STEVENSON BROS., Govanstown, BALTIMORE, MD.

Color, light pink, between Mrs. Lawson and Winsor. Nothing finer ever introduced as a commercial variety at any price. Strong healthy cuttings now ready for delivery. \$10.00 per 100; \$75.00 per 1000; 500 at 1000 rate.

St. Paul.

News Notes.

St. Valentine's Day brought a big demand for violets, red roses and red carnations. Sales were much larger than usual, showing that this day must be reckoned on in future. For Washington's Birthday Holm & Olson had cherry trees made with plum branches and realistic cherries from the milliner. There were very pretty and appropriate center pieces.

The bright weather has brought out an abundance of good blooms, especially in carnations and bulbous stock. Violets, too, have been plentiful and one of the largest growers has been throwing away good flowers on account of having no market for them.

The club met Tuesday evening, February 18, at the City Park Greenhouses, Minneapolis. August S. Swanson read a paper on "The Benefits to be Derived by belonging to the Club." A schedule of prices on bedding plants was reported by the committee appointed at last meeting and adopted by the club. A committee was appointed to meet with the executive committee of the State Fair to urge upon that body the desirability of larger and better space for floral exhibits and larger premiums. In the past the premiums have been so small that very few of the florists thought it worth the time and trouble to compete.

On the invitation of L. L. May the club visited his new seed warehouse on Como avenue, February 26.

Chris. Hussjaeger, who rented his greenhouses to P. and W. Topel a few months since, is now engaged in the saloon business.

Mr. Von Zommerveld of Sassenheim, Holland, was a recent visitor.

VERITAS.

Indianapolis.

News Items.

The executive committee of the State Florists' Association at a meeting, February 15, selected an organization to prepare for the American Carnation Society in 1909.

Tomlinson Hall Market reports an exceedingly quiet business; much stock is brought there to be wholesaled at figures below the regular quotations.

A. E. J. Baur is recovering from his recent sickness.

The trip to Richmond, Ind., by the local florists has been deferred another week; more enthusiasm will be awakened in the meantime.

Visitors: Thos. Knipe, Kokomo, Ind.; Richard Coats, Bloomington, Ind.; William Farney of A. L. Randall Company, Chicago; and Wilbur Byers, Franklin, Ind.

DETROIT, MICH.—The heavy blizzards of last week seem to have buried business with the rest of things. Notwithstanding the dark stormy weather flowers are accumulating to the danger point; the only short articles are violets and roses. Tulips clean up well, but all other bulbous stock as well as carnations are a drag. Hardy ferns are in very good demand with a first-class supply; other greens, like asparagus and smilax, are not obtainable now. A brisk demand for wild smilax indicates the execution of many small decorations.

Chas. Warneke is on the mend; his broken ankle has been placed in a cast now.

Your correspondent's left collar bone produces the pains of a growing together and a couple of weeks hence will see him on deck again.

A heavy blizzard last Wednesday brought the regular meeting of the local Florists' Club to naught.

FRANK DANZER.

THE NEW CARNATION

Afterglow

Winner of the following prizes at the Washington Exhibition of the A. C. S. held last week:

The A. C. S. Silver Medal.

The S. A. F. Bronze Medal, for best 100 blooms of Lawson shade of pink.

The Silver Cup, offered by W. J. Vonderheide for the best 100 blooms of any variety to be disseminated in 1908.

Also awarded

GOLD MEDAL by the Rhode Island Horticultural Society at Providence, Nov., 1907. (Exhibited by Wm. Nicholson)

CRAIG SILVER CUP by the Pennsylvania Horticultural Society at Philadelphia, Nov., 1907. (Exhibited by Dailedouze Bros.)

FIRST PRIZE by the St. Louis Horticultural Society at St. Louis, Mo., Nov., 1907. (Exhibited by E. G. Hill Co.)

FIRST PRIZE by the State Florists' Association of Indiana at Indianapolis, Nov., 1907. (Exhibited by the Originator)

SCORED the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S., Jan., 1907, after arriving 24 hours late from Framingham, Mass.

ASIDE from these honors, the fact that it has been grown successfully wherever it has been tried, is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation, for well grown, well rooted cuttings at

\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

WILLIAM NICHOLSON, THE E. G. HILL CO., DAILEDOUZE BROS., R. WITTERSTAETTER.
Framingham, Mass. Richmond, Ind. Flatbush, Brooklyn, N. Y. Originator, Sta. F. Cincinnati, O.

ROOTED

Carnation Cuttings

PINK 100 1000

ARISTOCRAT	\$6.00	\$50.00
WINSOR	6.00	50.00
ROSE PK. ENCHANTRESS	3.50	30.00
ENCHANTRESS	3.00	25.00
LAWSON	2.50	20.00
JOOST	2.00	15.00

WHITE

WHITE PERFECTION..	3.00	25.00
" LAWSON	3.00	25.00
QUEEN	2.00	18.00
BOSTON MARKET	2.00	18.00
LOUISE	2.00	18.00
LT. PEARY	3.00	25.00
BOUNTIFUL	2.50	20.00

RED

BEACON	6.00	50.00
VICTORY	3.00	25.00
ROBERT CRAIG	3.00	25.00
FLAMINGO	2.50	20.00

MISCELLANEOUS

PATTEN	2.50	20.00
HARRY FENN	2.50	20.00
HARLOWARDEN	2.50	20.00

Stock guaranteed. Prompt deliveries.

THE LEO NIESSEN CO.

Wholesale Florists,
1209 Arch St., Philadelphia, Pa.

CARNATIONS

Winsor, \$6.00 per 100; \$50.00 per 1000. White Perfection and Robert Craig, \$4.00 per 100; \$35.00 per 1000. Harry Fenn, Octoborn, Lawson and Patten, \$3.00 per 100; \$25.00 per 1000. Maceo, Fair Maid and Boston Market, \$2.00 per 100; \$15.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

JOHN E. HAINES BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908:

John E. Haines, red Pink Imperial, pink \$6.00 per 100	Imperial, variegated Enchantress, light pink \$50.00 per 1000
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Place orders early for December delivery.

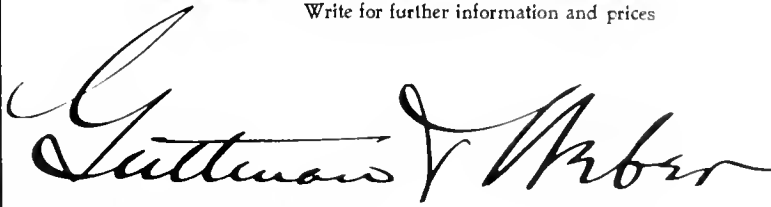
CARNATION CUTTINGS

DEPEND

on receiving only **STRONG** and **HEALTHY** cuttings when you order from US

We have only the **NICEST** and **BEST** varieties

Write for further information and prices



The Wholesale Florist of New York
43 West 28th Street

Grower
Lynbrook, L. I.

Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, Etc.

The Test ^{is} Tells The Story

When growers, who buy by the hundred the first season, order thousands the next **IT MEANS MERIT**

BEACON CARNATION

Occupies this enviable position. As an all Winter Blooming Scarlet

IT HAS NO EQUAL

Strong, vigorous, healthy cuttings ready now, per 100 \$6.00, per 1000 \$50.00

WINSOR	100	1000	ROSE ENCHANTRESS	100	1000
WHITE PERFECTION.....	\$6.00	\$50.00	ENCHANTRESS	\$4.00	\$35.00
	3.00	25.00		5.00	25.00

Make all Money Orders payable on NORWOOD, MASS.

PETER FISHER, - - Ellis, Mass.

AS a matter of Business Policy it pays to satisfy a customer. This I am aiming to do in order to have your good will as well as your trade. Rest assured that I will do all in my power to satisfy you, for I am well equipped (better than ever) to supply you.

CARNATION ROOTED CUTTINGS

of high grade and can give prompt delivery. Pure WHITE ENCHANTRESS, BEACON, WINSOR, ARISTOCRAT, PINK IMPERIAL, \$6.00 per 100, \$50.00 per 1000. ROSE PINK ENCHANTRESS, WHITE PERFECTION, VICTORY, \$3.00 per 100, \$25.00 per 1000. ENCHANTRESS, M. A. PATTEN, HELEN GODDARD, HARLOWARDEN, \$2.50 per 100, \$20.00 per 1000.

Also all the best novelties of the season's introduction at the introducer's prices.

Drop me a line.

S. S. SKIDELSKY, 1741 No. 18th St., PHILADELPHIA, PA.

THE AMERICAN CARNATION

Price \$3.50

A. T. DE LA MARE PTG & PUB CO. LTD
2-8 Duane Street, New York.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
 54 WEST 28th STREET, NEW YORK.
 Telephone: 3559 Madison Square
 CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—The cut flower business shows no improvement over last week, prices along all lines being about the same. Some dealers were under the impression that carnations, perhaps, were not quite so heavy a crop as they were the week previous, but so far as we could discover, there were a great many more carnations than were actually needed, and \$2 per 100 was buying the best standard sorts arriving. Roses of all kinds are plentiful enough for what demand there is, though there are no heavy crops in sight as yet. Sweet peas are becoming very plentiful, and on that account prices are tending downward. Tulips, Roman hyacinths and narcissus are all abundant, and, with the exception of an occasional small lot of double pink tulips, prices run from \$1 per 100 down. Lily of the valley is plentiful at \$1.50 per 100. Neither lilies nor callas can be cleared out satisfactorily, the asking price being from 6c. to 3c. each only. Gardenias are in steady supply, though really high-grade growers are not as yet extremely plentiful. Violets are selling very unsatisfactorily; prices seem to run from about 25c. to 40c. per 100, with an occasional sale of a small lot at 50c. Asparagus is a little scarce, but of smilax and adiantum there is a plentiful supply. Lent commences on Wednesday, but if there is any change at all it must be for the better; prices certainly cannot get very much worse.

CHICAGO.—The market is suffering from an oversupply of almost every commodity but American Beauty roses. The general demand for cut flowers has shortened a little and arrivals have increased. No particular reasons are advanced for the decline in demand; it is simply one of those phases of the cut flower business which are occasionally experienced, but which happily, are not of long duration. The almost unprecedented supply of carnations now existing probably furnishes the easiest solution of the problem, and as far as the local business is concerned the correct one. Carnations certainly are a glut, many cleaning up transactions closing below the half dollar mark, and fairly good stock at that. The higher prices within the quotation range above the minimum means strictly fine stock, with privileges of selection as the maximum is reached. A change, however, is looked for in the course of a week or so, as the crop has about reached its full. Tea roses are more plentiful, and prices have been forced down. The quality of the bulk of arrivals is excellent and the new crop promises some grand stock for the period running to Easter. American Beauty roses continue very scarce. Bulbous roses continue very plentiful, and growers' returns in many lines run unpleasantly toward the cost mark. Tubing are weak in price, much stock going off below bottom quotations when slightly deficient in stem. Daffodils drag considerably although generally fine in quality. Paper White narcissus and Roman hyacinths are even slower in movement. Dutch hyacinths are coming in, and move freely because limited in quantity. Callas and multi-florum lilies are very plentiful, and while they clean out fairly well, prices are lower. Violets are doing about the same as last week, but with rather weak prices in the higher grades. Shipping business appears to have decreased in volume, but speedy recovery is looked for.

PHILADELPHIA.—American Beauty roses are quite scarce this week; prices are up to \$6 and \$7.50 per dozen. The demands are mostly from other cities; local stores have not had many sales for these flowers. Tea roses can be bought at from \$1 per 100 upward, the very best stock selling at \$12. Flowers of the new rose Mrs. Jardine are selling at \$3 per dozen. Carnations have dropped in price very much; they are quoted at \$1.50 to \$1 per 100; the price depending entirely on how badly one wants the stock, and, again, if bought in quantity. Enchantress has suffered most in this respect, just now there are entirely too many coming in. Conditions with this variety are similar to those with Mrs. Frances. Just five and six years ago—too many are being grown. For the information of carnation growers we hear of sales this past week of 1000 for \$8, 1000 for \$6, while the flowers carried over three or four days sold 25c. to 50c. per 100. Callas are very good stock now; the demand is good with the supply

falling off. They realize 50c. to 60c. per flower. Cypripediums sell at \$10 to \$12 per 100; sweet peas, 50c. to \$1; daffodils, \$1.50 and \$2; tulips, \$1 to \$2; Paper White narcissus, \$2 to \$3 per 100. Lily brings \$1.50 to \$2 per bunch; Lily of the valley, \$2 to \$1 per 100. Adiantum hybridum, \$1.50 to \$2 per 100; double violets, 50c. per 100.
 DAVID RUST.

BOSTON.—There is a slight improvement in trade generally and hopes are for continued betterment. Prices have not varied much and as a rule they remain practically as they were a week ago. Roses are of excellent quality especially American Beauty, next to which rank Richmond and Killarney, two varieties which have proved great favorites in this market. Bride and Bridesmaid are regarded as common stock and nothing like the fancy prices of the first mentioned can be had for them. Some growers are handling old-fashioned favorites like Bon Silene and Safrano, but there is only a limited demand for them.

Carnations are very abundant and sell at very low figures. Violets have a very good call considering the abundance of other flowers. Sweet peas are good and sell fairly well. Lilies are plentiful, as are callas. Lily of the valley finds a steady demand. Tulips are selling at very low prices; so are all sorts of narcissi. Asparagus Sprengeri is not so plentiful as it has been, but there is abundance of A. plumosus. There is a good call for hardy cut ferns, galax and other hardy evergreens.
 J. W. D.

CHANGES IN BUSINESS.

TEORIA, ILL.—George A. Kuhl, florist, has opened a new store in the Frederick block.

MT. STERLING, KY.—Messrs. Graser & Humphreys have succeeded the Mt. Sterling Floral Company.

HUTCHINSON, KAN.—The Hutchinson Floral Company have moved their downtown office to their greenhouse office, corner B and Poplar.

TYLER, TEX.—The Sneed Nursery & Orchard Company has been chartered with a capital stock of \$43,000; C. W. Wood, J. P. Sneed, Frank Brunton, incorporators.

OWENSBORO, KY.—The Nanz Floral Company has also opened a branch in Central City, to be supplied with flowers and plants from the Owensboro establishment.

PORTLAND, ME.—The firm of Charles Thorley has been incorporated to deal in plants, flowers, etc., capital \$100,000. President, H. L. Crane; treasurer, M. S. Dennison, Portland.

SALT LAKE CITY, UTAH.—Robert Miller has written to the local press announcing his intention to start a rose-growing establishment here, if he can secure sufficient financial support, and is soliciting subscriptions for stock to form a company.

JAMESTOWN, N. D.—A. D. Seekins is finishing his new greenhouse, installing a hot water plant and has built a first-class conservatory. He hopes to start about the first of next month to raise the flowers needed for the local trade and in due time to have a stock on hand to meet all demands.

DOVER, N. H.—Charles L. Howe, the well-known florist, has purchased the business of D. E. Dow of Laconia, which was established twenty-eight years ago, and he will conduct the same in connection with his business in this city. Mr. Howe has also just had built a brand new delivery wagon manufactured by the Dover Carriage Company.

FARGO, N. D.—The reported establishment in Fargo of a branch office of the Phoenix Nursery Company, which is practically tantamount to this city being State headquarters and distributing point, has been consummated and is now an absolute fact. The office is located at room 6, Christianson block, on Broadway, and the local manager is Will H. Sabin. The Phoenix Nursery Company is one of the oldest established nurseries in the United States, being founded at Bloomington, Ill., in 1852, and incorporated in 1890.

ROSES FINE HEALTHY BENCH PLANTS

American Beauty } 8.00 per 100
 Richmond } \$75.00 per 1000

J. A. BUDLONG, 37 and 39 E. Randolph Street, Chicago, Ill.



GERANIUMS

A. H. Trego, John Doyle, S. A. Nutt, Bertha de Pressily, Mad. Barney, \$2.50 per 100.

Our choice of varieties in pink, red and white, \$2.00 per 100.

BEGONIAS

Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata, \$4.00 per 100.

Tuberous-Rooted—Single: In named colors, white, pink, scarlet, crimson and yellow, \$3.00 per 100; Mixed, \$2.50 per 100.

Tuberous-Rooted—Double: In named colors, white, pink, scarlet, crimson and yellow, \$5.00 per 100; Mixed, \$4.00 per 100.

CANNAS. We have a large list of standard varieties including: Chas. Henderson, Crimson Bedder, Beaute Poitevine, Florence Vaughan, Queen Charlotte, Souv. de Antoine Crozy, etc., strong 2-eye divisions, \$3.00 per 100; \$25.00 per 1000.

DAHLIAS (Field-grown roots). Wm. Agnew, Countess of Lonsdale, Nymphaea, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern-Leaf Beauty, \$5.00 per 100; Grand Duke Alexis and Kriemhilde, \$7.00 per 100.

MARGUERITE. Queen Alexandra, \$3.00 per 100; Coronation, \$3.00 per 100.

BOSTON FERNS. Plants well established in 2 1/2-inch pots, \$1.00 per 100; \$50.00 per 1000.

SMALL FERNS for dishes, \$2.50 per 100

ASPARAGUS PLUMOSUS NANUS, 2 1/2-inch pots, \$3.00 per 100, \$25.00 per 1000

BOUGAINVILLEA GLABRA SANDERLANA, 2 1/2 inch, \$4.00 per 100; 4 inch, ready to bloom, \$20.00 per 100.

BOXWOOD, Pyramids, 36 inches high, \$1.75 each.

BOXWOOD, Bush form, very heavy, 30 to 36 inches high, \$2.00 each.

RHODOBENDRONS. Short, well-formed plants for pots, full of buds, 18 inch size, \$9.00 per dozen; 24 inch size, \$12.00 per dozen.

AZALEA MOLLEIS. Bushy plants, full of buds and easy to force, 12 to 15 inches high, \$25.00 per 100; 15 to 18 inches high, \$35.00 per 100.

KENTIA PALMS in all sizes.

LANTANA BORBONICA 7-inch pot plants, 5 to 6 leaves, 18 to 20 inches high, 75c. each; 8 inch pot plants, 6 to 7 leaves, 20 to 22 inches high, \$1.35 each.

THE STORRS & HARRISON CO., Painesville, Ohio

Do Not Order Your Easter Advertising Matter Until You Have Examined Our Original

Easter Announcements

SUCCESSFUL BUSINESS cannot be obtained without special endeavor. One's own personal efforts need backing and the most helpful backer is *well-directed advertising*, carefully selected but freely used.

For those florists who cater to the *Easter-tide trade*, we have prepared six graceful and attractive designs which we offer at a price that appeals to the user of good printing. We furnish these *Easter advertising attractions* in the shape of small oblong four-page folders, printed in the finest style and on the best heavy enamel paper, with the engraving covering the front page and the advertisement on the third page. A fine quality baronial envelope is included in the price.

Delivery is F. O. B. New York at the following prices:

100 Folders and 100 Envelopes.....	\$3.50
250 Folders and 250 Envelopes.....	6.00
500 Folders and 500 Envelopes.....	10.00
1000 Folders and 1000 Envelopes.....	18.00
Each additional 1000, at same order.....	15.00

On orders for 500 or over customer may select two or more styles without extra charge. If interested, send at once for a sample set of these Announcements. They are original designs, made expressly for the season of 1908, and will interest you. It only costs one cent to look them over.

We expect lots of orders for these Announcements, so would advise you to act promptly if you wish yours filled in good time. Address

A. T. De La Mare Ptg. & Pub. Co., Ltd.
 Publishers The Florists' Exchange
 Post Office Box 1697 NEW YORK

Special Easter advertising matter gotten up to order. Let us know what you want and we will be glad to quote you. Time is passing; write now.

J. K. ALLEN
Wholesale Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day
Telephone, 167 Madison Square
Cousignments Solicited.

C. BONNET **G. H. BLAKE**
BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4638 Main.
Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Ave. and 26th St.
Coogan Building, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers
Wall Space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary.

J. S. FENRICH
Wholesale Florist
THE RELIABLE HOUSE
Valley Cardenias
110 West 28th Street
Telephone 324-325 Madison Square

FORD BROS.
Wholesale Florists
48 WEST 28th ST., NEW YORK
Telephone, 3370-3371 Madison Square.

GROWERS, ATTENTION!
GUNTHER BROTHERS
114 West 28th Street
Phone, 551 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888.

Frank S. Hicks & Co.
Wholesale Florists
52 West 28 St. New York
Tel. 2920 Mad. Sq.

WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby St.,
Telephone 4591 Main BROOKLYN, N. Y.



GEORGE SALTFOED
Wholesale Florist
CONSIGNMENTS SOLICITED
46 West 29th Street, New York
TELEPHONE: 3393 MADISON SQUARE

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 757 Mad. Sq. 42 W. 28th St., New York.

A. M. HENSHAW
WHOLESALE COMMISSION FLORIST
Consignments of first class stock solicited
Prompt returns.
THE SQUARE DEAL
Guaranteed to all who trade here
44 West 28th Street, NEW YORK
Tel. 583 Madison Square.

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES. 1664--1665 MADISON SQUARE
ENOUGH SAID

ALFRED H. LANGJAHR
55 WEST 28th STREET, NEW YORK
Telephone, 4626-4627 Madison Square Established 1891
SPECIAL VALLEY AND TOP GRADE ASPARAGUS
Consignments of First-Class Stock Solicited

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, Feb. 26, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special....	40.00 to 50.00	Id'r grades, all colors.....	.50 to .75
	" extra	20.00 to 40.00	White	1.00 to 1.50
	" No. 1	12.00 to 15.00	Pink	1.00 to 1.50
	" No 2	6.00 to 8.00	Red	1.00 to 1.50
	" No 3	2.00 to 4.00	Yel. & Var.	1.00 to 1.50
	Bride, Maid fancy-special...	6.00 to 8.00	White	1.00 to 2.00
	" extra	5.00 to 6.00	Pink	1.00 to 2.00
	" No. 1	3.00 to 4.00	Red	1.00 to 2.00
	" No. 2	2.00 to 3.00	Yel. & Var.	1.00 to 2.00
	Golden Gate	3.00 to 10.00	" NOVELTIES	2.00 to 3.00
	RICHMOND	3.00 to 15.00	GARDENIAS, per doz.....	1.00 to 3.00
	Mme. Abel Chateausy	3.00 to 10.00	LILAC, per bunch.....	.50 to .60
	ADANTUM .....	.50 to .75	LILIES	6.00 to 8.00
	CROWANUM	1.00 to 1.50	LILY OF THE VALLEY	1.00 to 2.00
	ASPARAGUS	25.00 to 50.00	MIGNONETTE	3.00 to 6.00
	Plumose, bunches.....	15.00 to 25.00	NARCISSUS (Paper White) .....	..... to 1.00
	Sprengerl, bunches.....	15.00 to 25.00	" Yellow .....	..... to 1.00
	" .....	..... to	POETICUS .....	..... to 1.00
	CALLAS	6.00 to 8.00	SMILAX	8.00 to 12.00
	CATTLEYAS	35.00 to 60.00	VIOLETS .....	.25 to .50
	CYPRIPEDIUMS	5.00 to 8.00	CORNFLOWERS .....	..... to 1.50
	DAISIES	2.00 to 3.00	HYACINTHS, Roman .....	.50 to 1.00
	FREESIA, per bunch.....	.10 to .20	SWEET PEAS (per doz. bunches) .....	.75 to 1.50
			TULIPS	1.00 to 2.00

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Liberty,
Lilies, Lily of the Valley, Carnations
Telephone, 1998
Mudison Square
JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463
MADISON SQUARE
CUT FLOWERS AT WHOLESALE

J. Seligman Joseph J. Levy
JOHN SELIGMAN & COMPANY
Wholesale Florists
56 West 26th Street.
Tel. 4878 Madison Square N. Y.
Opposite New York Cut Flower Company

B. S. Slinn, Jr.
Wholesale Florist
55 & 57 West 26th St., New York
VIOLETS Carnations and Roses
Shipping orders receive prompt attention.
Telephone: 3864 Madison Square.

Frank H. Traendly Charles Schenk
TRAENDLY & SCHENCK
WHOLESALE FLORISTS
14 West 28th Street, New York
and Cut Flower Exchange
Telephones: 798 & 799 Madison Square
Consignments Solicited

Samuel A. Woodrow
WHOLESALE PLANTS MAN
Out of town orders promptly attended to
53 West 30th St., NEW YORK
Telephone, 2083 Madison

JOHN YOUNG
Wholesale Florist
61 W. 28th St., NEW YORK
TELEPHONE. 463-464 MADISON SQUARE

THOMAS YOUNG, Jr.
FLORIST
500 Fifth Avenue, NEW YORK
Telephone, 847 Bryant

Washington, D. C.
Trade Notes.
The past week has been one of unusual activity among the stores, many social functions occurring during the forepart which used expensive flowers. The latter days were saddened by the deaths of Chas. Edrick Wood, of the firm of Wood, Harmon & Company, Bishop H. Y. Satterlee and Congressman Latimer; large orders were sent out from various stores, among them many handsome and expensive designs. The President and Mrs. Roosevelt were among the first to send floral tributes to the Satterlee homestead.

There is sufficient stock to fill all demands with the exception of American Beauty roses and orchids which are quite scarce. February 22, like St. Valentine's Day, passed rather uneventfully so far as benefits to the trade were concerned. Charles McCauley, secretary of the local Florists' Club, suffered a painful accident about a week ago, a nail piercing his foot which resulted in blood poisoning. After having been confined to his home for seven or eight days his condition has improved and he is out of danger.

The Ladies' Auxiliary of the florists' bowling team rolled four games on Thursday night with the following results:

Mrs. Cooke	69	60	71	117
Mrs. McCauley	86	123	102	97
Miss Cooke	93	78	81	108
Mrs. Siddons	61	68	108	75
Mrs. Harty	26	87	97	76
Mrs. Shaffer	126	111	113	136

Tuesday night, March 3, will be the next regular monthly meeting of the Florists' Club, and the annual election of officers for the ensuing year.
JAS. L. CARRERY.

LENOX, MASS.—John O'Brien, 10 West street florist, is seriously ill.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

Extra Choice Sprays of SPRENGERI and PLUMOSA, 50c. per bunch.

CHOICE VALLEY, \$3.00 and \$4.00 per hundred. Special prices by the thousand.

1608 to 1620 LUDLOW STREET Store Open 7.30 A. M. to 8 P. M

BEAUTIES

We have an excellent supply. Quality hard to beat. Let us fill your next order.

The Leo Niessen Co. WHOLESALE FLORISTS 1209 Arch Street, Philadelphia

Pittsburg Cut Flower Co. LIMITED WHOLESALE FLORISTS 222 Oliver Avenue PITTSBURG, PA.

J. J. HARTY & COMPANY WHOLESALE AND COMMISSION FLORISTS 1312 G Street, N. W., Washington, D. C.

Headquarters in WESTERN NEW YORK For Roses, Carnations And all kinds of Seasonable Flowers. WM. F. KASTING CO. Wholesale Commission Florists 383-87 Elliott St. BUFFALO, N. Y.



Philadelphia. News Jottings. The Florists' Club will meet on Tuesday next when J. Otto Thilow of Henry A. Dreer, Inc., will deliver an address on "New Things in an Old Country."

CARNATIONS A SPECIALTY GEO. B. HART, Wholesale Florist, 24 Stone St., ROCHESTER, N. Y.

BERGER BROS. WHOLESALE FLORISTS No. 1305 Filbert St., Philadelphia

H. G. BERNING Wholesale Florist 1402 Pine St., St. Louis, Mo.

PLANT CULTURE Price, - - \$1.00. A. T. De La Mare Plg. & Pub. Co. 2 to 8 Duane Street, New York

Wholesale Prices of Cut Flowers—Per 100

Table with columns for locations (Boston, Buffalo, Detroit, Cincinnati, Baltimore, Milwaukee, Philadelphia, Pittsburg, St. Louis) and rows for various flower types and varieties with their respective prices.

BOSTON, MASS. WELCH BROS. PROPRIETORS CITY HALL CUT FLOWER MARKET 226 Devonshire Street.

EDWARD REID Wholesale Florist 1526 Ranstead St., PHILADELPHIA

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS EXCHANGE.

MONTICELLO, FLA.—A horticultural society has been organized here with H. K. Miller of the Summit Nurseries as president.

Pittsburg. Trade and News Notes. Cut flower trade is very unsatisfactory, though perhaps a little better than last week, on account of more funeral work.

ESTABLISHED 1894

Commission Handlers of CUT FLOWERS
DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS
 Inside Chicago Market Quotations
 A complete line of Florists' Supplies, catalogue free. Manufacturers of Wire Designs
 Long Distance Phone, Central 6004
E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago

WHOLESALE CUT FLOWERS
and FLORISTS SUPPLIES
C. C. Pollworth Co.
Milwaukee, Wis.

"The Busiest House in Chicago"
J. B. DEAMUD CO.
 WHOLESALE FLORISTS
 51 Wabash Ave.

WIETOR BROS.
 Wholesale Growers of
CUT FLOWERS
 All telegraph and telephone orders given prompt attention.
51 Wabash Ave., CHICAGO

E. G. HILL CO.
 Wholesale Florists
RICHMOND, INDIANA

Poehlmann Bros. Co.
 Wholesale Growers of
and Dealers in Cut Flowers
 All telegraph and telephone orders given prompt attention.
 Greenhouses: 35-37 Randolph St.,
MORTON GROVE, ILL. CHICAGO

ST. PAUL, MINN.
 Send us your Orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO.,
Florists, St. Paul, Minn.

All Leading Varieties of **Roses and Carnations**
PETER REINBERG
Wholesale Cut Flowers
 51 Wabash Ave., CHICAGO, ILL.
 Headquarters for American Beauty Rose

Newburyport, Mass.
 E. W. Pearson has opened a new store on State street. The smaller store until recently occupied has been given up. The new one is very handsome, having abundance of room to display his stock to the best advantage. Mr. Pearson is highly pleased with the change and reports business good.
 C. J. McGregor does much in outdoor and cemetery work. He has a few well-filled greenhouses of seasonable stock and says business is good in all lines.
 The business of Kent & Marsh is now controlled entirely by Mr. Kent. Carnations and bedding plants are grown. As with all florists in this section of the country, business was said to be as good here as in former years at this season.
 J. M.

HOLTON & HUNKEL CO.
 WHOLESALE FLORISTS
 and FLORISTS' SUPPLIES
 Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
 *Phone, MAIN 874. P. O. Box 103

CHAS. W. MCKELLAR
ORCHIDS
 FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS
51 Wabash Ave., Chicago

A. L. RANDALL CO.
 Western Headquarters for
Up-to-Date Florists' Supplies
 Write for Catalogue
Nos. 19-21 RANDOLPH ST., CHICAGO

J. A. BUDLONG
 37-39 Randolph Street, CHICAGO.
 Roses and Carnations WHOLESALE
 A Specialty GROWER of **CUT FLOWERS**

Wholesale Prices of Cut Flowers, Chicago, Feb. 26th, 1908
 Prices quoted are by the hundred unless otherwise noted

ROSES		CARNATIONS	
American Beauty		STANDARD	White..... 1.00 to 2.00
36-inch stems..... per doz.	4.00 to 5.00	VARIETIES	Pink..... 1.00 to 2.00
30-inch stems..... "	2.00 to 3.00		Red..... 2.00 to 3.00
24-inch stems..... "	..... to 2.50		Yellow & var..... 1.00 to 3.00
20-inch stems..... "	..... to 1.50	*FANCY	White..... 2.00 to 3.00
18-inch stems..... "	..... to 1.25	The highest	Pink..... 3.00 to 4.00
12-inch stems..... "	..... to .75	grades of Standard	Red..... 2.00 to 3.00
8-inch stems and shorts "	..... to .50	varieties.	Yellow & var..... .. to ..
Bride Maid, fancy special...	8.00 to 10.00	NOVELTIES	..... to 1.50
" extra.....	..... to 6.00	LIAC, white, per bunch.....	10.00 to 12.00
" No. 1.....	..... to 4.00	LILIES, Hartisii.....	1.00 to 2.00
" No. 2.....	..... to 3.00	CALIAS.....	10.00 to 12.00
Golden Gate.....	6.00 to 10.00	SMILAX.....	1.00 to 3.00
Uncle John.....	6.00 to 10.00	GILY OF THE VALLEY.....	..... to 2.00
Liberty.....	6.00 to 12.00	HARPY FERNS per 1000.....	..... to 1.00
Richmond.....	10.00 to 20.00	SALAX (green).....	..... to 1.00
Killarney.....	4.00 to 10.00	" (bronze).....	1.00 to 3.00
" extra.....	12.00 to 15.00	MIGNONETTE.....	.25 to .65
Perle.....	4.00 to 10.00	VIOLETS, double New York.....	..... to .75
Chatenay.....	4.00 to 10.00	" local double.....	..... to .75
K. A. Victoria.....	4.00 to 10.00	" " single.....	1.50 to 2.00
Mrs. Marshall Field.....	..... to ..	NARCISSUS.....	1.50 to 2.00
ADIANTUM.....	1.00 to 1.50	ROMANS.....	..... to ..
ASPARAGUS, Plum. & Ten.....	.35 to .50	POINSETTIAS, per doz.....	..... to ..
" Sprengel, bunches.....	.35 to .50	STEVIA.....	..... to ..
Orchide—Cattleyas.....	40.00 to 50.00	SWEET PEAS.....	.40 to 1.25
CYPRIPEDIUM.....	1.00 to 1.50	TULIPS.....	1.00 to 3.00
.....	..... to ..	.....	..... to ..
.....	..... to ..	.....	..... to ..

Violets
Vaughan & Sperry
 58-60 Wabash Avenue
CHICAGO, ILL.

Chicago.
The Week's News.
 Business for the past ten days in retail circles has not been very brisk. Of the holidays, St. Valentine's Day only brought extra trade worthy of notice. The birthdays of Lincoln and Washington were unproductive of any noticeable extra demand for flowers, notwithstanding that these holidays came at a time when retail stores were loaded down with carnations and bulbous flowers, which at the time were bought cheap, and were very generally offered to the public at bargain prices. Good carnations at 25 cents per dozen is only one of the many low offers made by retailers in some sections.
 William Desmond, representing L. S. Donaldson Company, and Otto Will, of Will Brothers, Minneapolis, were in town early this week.
 Harry Bayersdorfer and Mrs. Bayersdorfer passed through Chicago on Monday, en route to Philadelphia from California. They made no stay, their home trip being hurried and precipitated on account of the serious illness of Mrs. Bayersdorfer's father.
 T. E. Waters, secretary of the Chicago Florists' Club, 21 East Randolph street, has received a supply of exhibition entry forms for the Spring show of the American Rose Society, to be held in Chicago, March 25, 26 and 27. He will be glad to supply them to all applicants.

G. Klupfer of Nelson & Klupfer, Peoria, Ill., has disposed of his interest in that firm to his partner, who will continue the business. Mr. Klupfer is looking around with a view to establishing himself again in the business.
 Andrew Peterson of Hoopeston, Ill., will erect three additional greenhouses, each 250 feet long, as soon as the building season opens. The glass and other material are already secured.
 The E. F. Winterston Company was handling some fine blooms of Gerbera Jamesoni, last week, and had no difficulty in disposing of them. The concern is also receiving twice a week a small number of carnation blooms from Fritz Bahr, Highland Park, from his benching of Lucille, the new seedling carnation. The flowers move very readily.
 Frank Henry of Henry & Lee, New York, J. A. Peterson and Mrs. Peterson, Cincinnati, and Wm. Dyke representing Ed. Jansen, New York, were visitors last week.
 Guy French, foreman of the carnation range at the Poehlmann establishment, Morton Grove, has returned from his wedding trip, and on Friday evening was presented a handsome cut glass bowl by his men.
 The Heint Brothers of Jacksonville, Ill., have been visiting growers hereabouts. The object of their visit was to look into the question of cement benches, with a view to installing a system in their own establishment.

The A. L. Randall Company have leased the remainder of the floors in the building they occupy, to take possession May 1. This gives them the whole building, excepting the ground floor four floors in all. They will probably extend their cut flower department somewhat, and use three floors for their florists' supply branch, which is to be much extended. They have added glass to their general stock, and will in future carry a supply to meet all ordinary requirements and ship large orders direct from the furnaces. This departure is somewhat of an innovation in supply circles, but the company is already doing some business in the new line.

St. Valentine's Day brought a good deal of extra business to the retail stores, but was not as productive as anticipated, especially for those who made no apparent effort to secure orders. Where the sentiment of the day was pushed by signs and suggestions of floral valentines a good business resulted.

C. M. Dickinson of E. H. Hunt's is back at his desk after several days' confinement to his home through sickness.

Andrew McAdams is on a visit to Melbourne, Fla., being the guest of Mr. and Mrs. Walter G. Goode of that town.

George Reinberg is getting a daily cut of Cattleya Schroederiana from his orchid house.

During the recent snowstorm two of the rose sections of Peter Reinberg's establishment experienced a cave-in, but without much loss to stock.

Samuel J. Pearce, Clybourne avenue, has, as usual, been a large grower of bulbous stock this season, and has furnished the market with a cut grand in quality. His aggregate of bulb planting in the different specialties has approached the quarter million point. Just now he has fine Golden Spur, Emperor and Von Sion in crop; La Reine and Murillo tulips are also seen in quantity, and well colored. He has a splendid stock of Dutch hyacinths in pots, which already are on the move. His preparations for Easter include six houses of lilies, mostly giganteum, and present indications point to fine flowering and foliage stock for the holiday season. The establishment includes three houses of azaleas, all shapely and in excellent condition.

Mr. Hess of Hess & Swoboda, Omaha, Neb., was a visitor on Tuesday.

J. H. Peffer.

Kalamazoo, Mich.

News Items.

We have experienced during the present week one of the worst blizzards on record, which has effectually put a stop to business of all kinds, as for several days the streets and roads have been impassable. You will realize the severity when it is reported that the New York and Chicago flier was stalled in a drift for 13 hours, notwithstanding the efforts of five other engines trying to extricate it. I have not heard of any damage done to our local florists other than the extreme inconvenience experienced.

The Central Nursery & Floral Company has been capitalized at \$50,000 and \$40,200 stock is already issued. The officers are: President and general manager, L. P. Thurston; secretary and treasurer, Jesse L. Sornberger; directors, William E. Fjohm, Victor L. Palmer and L. P. Thurston. Both the officers are practical nurserymen and florists and are in the offices of the company. The firm will eliminate all wholesale growing, except as the same is incidental, and confine its attention to producing ornamentals almost exclusively. As fast as possible it will merge all efforts into the small plant and ornamental catalogue trade.
 S. B.

LENOX, MASS.—The seventh annual banquet of the Horticultural Society was held in Curtis hotel, Saturday, February 15. Covers were laid for ninety guests. Alexander McConachie, a charter member of the society, was toastmaster. Ladies were present this year, and added to the charm of this always enjoyable occasion.

E. Jenkins has gone to England for two months' vacation, during which time he intends visiting some of the old-fashioned gardens of Europe.

Rose and carnation night will be held March 7, when special premiums will be donated by the society, and as carnations are grown quite extensively at Lenox, competition for the various houses will be keen.
 G. H. E.

Henry M. Robinson & Co.

Wholesale Commission Florists

Hardy Cut Evergreens and Florists' Supplies



BRONZE GALAX, best quality \$8.50 case of 10,000.
GREEN GALAX, best quality \$7.50 case of 10,000
DAGGER and **FANCY FERNS**, \$1.50 per 1,000.

Laurel Festooning, Boxwood, Sphagnum and Green Moss, Southern Wild Smilax Leucothoe Sprays, etc.



15 Province St. and 9 Chapman Place, Boston, Mass.



HARDY CUT FERNS

Fancy or dagger, \$1.00 per 1000.
 Extra fine **BOXWOOD**, \$3.00 per case.
 Brilliant **Bronze or Green Galax**, \$1.00 per 1000 or \$7.50 per case of 10,000. **Wild SMILAX** 50 lb. cases, \$6.00. Fresh made **LAUREL FESTOONING**, 4c., 5c., and 6c. per yard.

Send us your orders and be pleased.
LEUCOTHOE SPRAYS, bronze or green, 40c. per 100. **Ground Pine**, 7c. per lb. or 6c. per yard.

CROWL FERN CO., MILLINGTON, MASS.

HARDY CUT FERNS

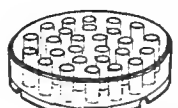
FANCY and **DAGGER**, Extra fine, \$1.50 per 1000. **BRONZE** and **GREEN GALAX**, \$1.25 per 1000, \$7.50 per 10,000. **LEUCOTHOE SPRAYS**, \$1.00 per 100; \$7.50 per 1000. **SPHAGNUM MOSS**, extra large bales, per bale, \$1.25. **BOXWOOD**, per bunch, 35c.; 50 lbs., \$7.50. **FANCY** and **DAGGER FERN** our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
 WHOLESALE COMMISSION FLORISTS
 38-40 Broadway, DETROIT, MICH

All Phone Connections.

REED & KELLER 122 W. 25th Street NEW YORK
 Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and Decorative Greenery
 New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

THE "JAPANA" Cut Flower Holder



A handy article for florists. Sells to the trade on eight. Made of glass in three sizes.

The "Angels" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

M. V. GARNSEY, 132 F. Waiola Ave., La Grange, Ill.



Ever Ready Covers
 Made of Waterproof Crepe Paper on a Card-board frame, tied neatly with wood fiber ribbon. Send 30 cents in stamps and we will send you covers that will fit a 5-inch standard pot, a 7-inch azalea pot and an 8-inch pan, with our illustrated booklet and price list. W. H. Greyer, Mgr., Ever Ready Flower Pot Cover Co., 146 Hugles Ave., Buffalo, N. Y.



PREPARED PALMS AND PALM LEAVES

In all varieties (Also Moss, Fibra, Needle Pines Pine Cones, Uva Grasses, etc)
 Buy from HEADQUARTERS
 Florida Natural Products Co.
 Fernandina, Fla



SOUTHERN WILD SMILAX BEAVEN'S FADELESS MOSS NATURAL SHEET MOSS
E. A. BEAVEN, Evergreen, Ala.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50

MANUFACTURED BY

W. J. COWEE, BERLIN, N. Y.
 Samples free. For sale by dealers.

The book of WATER GARDENING

By Peter Blasco. Price, postpaid, \$2.50
 A. T. DE LA MARE PTG. & PUB. CO., LTD.

New Orleans.

News Items.

The fifth annual meeting of the Louisiana State Horticultural Society will be held at Minden, La., February 20 and 22, when C. W. Eichling, the well-known New Orleans florist, will read a paper on "Roses and Cut Flowers."

There is a project on foot by several prominent New Orleans florists to form a stock company for the purchase of a sugar plantation below the city to grow hardy palms, fruit trees, etc., suitable for the Southern States, on an extensive scale.

Charles Eble had the supplying of the bouquets, etc., for the ball of the Olympians, one of the carnival organizations. The bouquets for the queen and her maids of 1908 were of American Beauty, and for the queen of 1907 and her maid of Easter lilies and lily of the valley. Altogether the order called for 275 bouquets.

Mr. Rutherford, late manager for the Metairie Ridge Nursery Company's store, is on the sick list and has to undergo an operation for appendicitis.

Frank Rieth has leased several lots across the street from his present place, which he will use for outdoor roses and other flowering stock. His crop of callas is looking fine. He finds hotel life rather hard on palms, having to supply one of the largest hotels in this city with plants. So far he has found that *Phenix canariensis* stands the most abuse.

At the monthly meeting of the New Orleans Horticultural Society on February 20, Richard Eichling, grower for C. J. Virgin, exhibited fine Roman and Italian hyacinths with stems of phenomenal length. James Newsham brought some monster calla flowers, and Paul Ahele had an interesting exhibit of sweet peas, from out of doors.

James Newsham stated his intention of sailing in a few days on an orchid collecting trip.

There is so little interest taken in the proposed chrysanthemum show that it is doubtful if the society will hold one this Fall.

At the Metairie Ridge Nursery Company's greenhouses the roses have fully recovered from the setback they got in the Fall from the salt water and are now

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producing full crops of fine flowers. American Beauty are especially worthy of notice and Mr. Papworth can well be proud of these strong, robust canes topped by flowers of first quality. This company has made a specialty of forcing lily of the valley this Winter and has disposed of enormous quantities.

The carnival being near at hand the florists are all kept busy, balls and private parties calling for the use of plenty of flowers.

Michael Barker, Chicago, spent several days in New Orleans recently. Dan MacLorie, representing W. A. Manda, was also a recent visitor in the interest of his firm.

Out-of-door sweet peas are becoming quite plentiful and are of good quality. There is to be seen at the markets these times quantities of several varieties of *Narcissus polyanthus*. These are naturalized on the grounds around the old plantation homes, and, being left undisturbed year after year, flower profusely. Another thing much used for cheap bouquets is the single red camellia, an old favorite of the Creole belles of antebellum days. These are seldom spoken of as camellias, but are known as "japonicas." CRESCENT CITY.

St. Louis.

News Notes.

The delegation from the local Florists' Club who attended the Springfield meeting of the Illinois State Florists' Association returned Wednesday morning, much pleased with their trip.

The Michel Plant and Bulb Company held an auction sale of plants the past week at its greenhouses on Magnolia avenue. A good representation of local florists was on hand when the sale began, and the company disposed of a great lot of surplus stock in palms, ferns and other decorative plants.

Alex. Johnson, the Wellston florist, who has a retail store at 6103 Easton avenue, is having a good run of trade. James M. North, son of the late Joseph North, is manager of the Easton avenue store.

Adolph Friemel, nephew of A. Brix, is now in charge of the latter's greenhouses.

Charles Kuehn is receiving each day consignments of extra fine tulips and other bulbous stock. This place is also headquarters for extra quality carnations.

Henry Berning's supply of violets, carnations and roses was large the past week. Violets are supreme here, fresh from Kirkwood growers each morning.

Charles C. Young, oldest son of James Young of the C. Young & Sons Company, was married on Saturday, February 22, to Miss Katherine Courtney. The young couple will spend a three weeks' honeymoon in Florida.

The St. Louis Horticultural Society has fixed the dates March 10 to 12 for its Spring flower show. The exhibition will be held in the same hall as last year—the Masonic Temple, Grand avenue. The local Florists' Club at its last meeting decided to lend help through its trustees. Any one wishing a premium list should apply to O. G. Koenig, the secretary of the society, whose address is 6473 Florissant avenue.

Secretary Bentzen of the Florists' Club is at work on the premium list for the club's rose show, which will be held Thursday afternoon, March 12, after which a supper will be served in the café below the meeting hall. The trustees are instructed to invite all visitors in town who will be here to attend the Spring flower show, given by the Horticultural Society.

Mr. Abrahamson, representing E. H. Hunt, Chicago, arrived in town Monday morning. ST. PATRICK.

New Haven, Conn.

The employees of the Frank S. Platt Company, along with the officers of the firm, had a very enjoyable outing on February 17, 1908—a trolley ride by moonlight to the Old Colonial inn at Woodmont, where they found a table spread with numerous good things, which were thoroughly enjoyed by the 21 participants. Story telling, music, and dancing were indulged in subsequently. Miss Weiser, bookkeeper, acted as pianist, and several young ladies rendered vocal selections. A solo by Mr. Platt, president of the concern, was much appreciated. The affair was unanimously pronounced a great success.

Columbus, O.

Trade News.

Local florists have had some very busy times since the New Year. Some of them state that their January business was equal to that of the December preceding. This, while rather unusual, was admitted to be the result of the work of the grim reaper. With a great many bright days in this section during the past few weeks blooms have developed well, so that stock has been in good supply, with prices generally satisfactory.

Gustave Drobisch has had an interesting case on his hands (not so interesting to him, however). A neighbor has brought suit against him for damages to her property, real and personal, alleged to have been caused by the smoke from his greenhouses. At present it is a drawn battle, he having paid the costs up to date and the plaintiff having agreed to wait the outcome of this season's improvements in the "smoke consuming" line.

Preliminary sketches for the suggested parks and boulevards in connection with the general plan for civic improvement in Columbus, have been forwarded here and will be taken up soon by the local authorities and also the Legislature, as the plans concern the improvement, also, of the State House and grounds.

Mr. A. Pharo Gage, landscape artist, did a good turn in the line of floral education by an interesting and instructive lecture on "Roses, Their Varieties, Culture," etc., delivered last week before a prominent ladies' society.

The City Council has appropriated about \$6,000 for the erection of a new greenhouse in Schiller Park.

Mr. and Mrs. Walter Jones have sold out their retail store to Robert Schenck, from Pittsburg. Mr. Schenck, who is a florist of long experience and a courteous gentleman, will be a welcome addition to the local ranks.

Club Doings.

The members of the Columbus Florists' Club are making the most of the winter season in providing some very enjoyable social affairs. Among these was a dance given at the club room on Town street recently, while another similar event on a larger scale is being arranged for the near future. The members have also accepted with thanks invitations from an out-of-town member, Mrs. W. F. Griswold of Worthington and Messrs. Metzmaier & Son, of South Fourth street, city, who will entertain them respectively on the dates of the next two regular meetings.

At the meeting of last Tuesday evening the club decided to try to cut something of a figure in bowling circles hereafter, and accordingly proceeded to organize a team which will surely be heard from with credit at some future gatherings of the craft. The officers chosen were: Captain, Jacob Reichert; secretary, William Metzmaier; treasurer, James McKellar. C. D. B.

Utica, N. Y.

News Notes.

The Utica Florists' Club will hold its seventh annual carnation meeting on February 27 at Elk's Hall, after which members will enjoy a smoker. Indications point to a large meeting of the club; nearly all the growers of new carnations have signified their intention of sending us flowers.

S. S. Skidelsky was calling on the trade this week; he also made a trip to Barneveld and left here for Watertown and Rochester, thence west to Chicago.

Louis Guillaume, Syracuse, was in town Sunday and Monday; he is a grower of carnations to quite a great extent in Onondaga Valley.

L. E. Marquisee, Syracuse, was also a visitor last week; he has fully recovered from his recent accident.

J. R. Auld has bought the place formerly run by Mr. McGowan and has torn it down and moved it to New Hartford where he expects to build in the Spring.

A delegation from Scranton, Pa., of the following gentlemen: T. B. McClintock, Lee McClintock, Johnathan Rodham, Lewis Morel, A. Smith, Wm. McDonald and B. E. Coakley had just returned from Barneveld where they had been to see Apple Blossom and Wano-Ka carnations at home. They were very much pleased with these varieties. Inspections were also made of the establishments of the Utica florists.

QUIZ.



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STANDARD FLOWER POTS
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Los Angeles, Cal.

News Notes.

Copious rains that have watered this coast since January 20 and mild weather have made ideal conditions for the production of violets, field-grown (no one ever thinks of growing a violet under cover in this country), and the quantities put upon the market are unprecedented. The wholesale and retail prices in this market are in marked contrast to those that prevail in the East. Forty cents per dozen bunches, 100 flowers in a bunch, is the wholesale price at this time, February 15. Thrifty Italian street vendors re-bunch the blooms, put 75 to 80 flowers in a bunch and sell them at two bunches for 15 cents. Flower shops do not condescend to such low prices; neither do they put up the flowers in the poor form the curbstone merchant does.

The Signal Hill Floral Company alone pick from 800 to 1200 dozen bunches daily. The Rising and Dunscomb Company, Inc., produce nearly the same number on their acreage; Japs and other growers with less acreage bring the combined output of this flower in and about Los Angeles to enormous quantities.

D. MacKorie, representing W. A. Manda, Inc., South Orange, N. J., is on this coast in the interest of the firm, and if his order book is any indication of the financial condition of the plant and cut flower trade through the South and Southwest, it certainly is in a very prosperous condition. This is his first visit to California and it is a revelation to him to see subjects that are diminutive in size as they are grown in pots under glass in the East attain the size of forest trees of the Atlantic coast.

The chrysanthemum establishment at North Pomona of the late W. W. Marugg will be carried on by his mother. These specialists have done more than all other agencies combined in Southern California to educate the public in the cultivation of fine chrysanthemums.

The first frost of the season and a light one at that, visited us the night of February 12.

Erythrina caffra and E. corallodendron, now in bloom, are worth a trip across the continent to see. Trees with spreading tops of 20 to 40 feet, their bright vermilion-colored flowers borne in great profusion, are beautiful beyond description. These drought-resistant trees and shrubs are easily propagated from hard wood cuttings placed in sand in full sunlight, and kept damp. They bear seed sparingly, which germinates readily.

P. D. B.

Boston

The Week's News.

The annual Spring show of the Massachusetts Horticultural Society will be held this year on Friday, Saturday, Sunday and Monday, March 20-23. This is one of the most important exhibitions of the season and the keeping of it open on Monday, or one day longer than formerly, is an experiment well worth trying.

On March 7 the lecture at Horticultural Hall will be on "Agricultural Education in Public Schools" by President Kenyon L. Butterfield of Amherst College.

The Park street flower market bowling team has organized as follows: Crowley, captain, Nicholson, Peirce, Sutermeister and Patterson. They challenge any other team in the trade and are particularly anxious to meet the Galvin team.

William Cleary of Watertown is having a fine cut of cattleyas at present.

George Solomon is happy over the arrival of a baby boy at his home on Washington's Birthday.

D. F. Roy has removed from Malden where he has been located for so many years; his address will now be "The Moorings," Marion, Mass.

The Waban Rose Conservatories are having an extra fine cut of American Beauty roses at present. They have also exceptionally fine Killarney. They are working up a large stock of their

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Put up in powdered form, enough to make a pint of fluid, 50c; one quart, \$1.00; one gallon, \$3.50. Mailed free. Don't ask for samples, as satisfaction is guaranteed or money refunded if instructions are followed.

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latest novelty, White Killarney, which they will introduce next year.

Wm. Gillson has severed his connection with the Butterworth establishment, where he has been for the past fifteen years.
J. W. DUNCAN.

A New Style of Hotbed.

Talk about being up-to-date, there is some talk prevalent among the Irondequoit gardeners, as to the best kind of hotbeds, to germinate seed quickly. One gardener has them all beat. He spoke thus: "If you want to get your muskmelons started early the coming season, put your seed to soak over night in a rag. Next morning put them under your setting ben, keep the rag moist, and your seeds will all be sprouted in three or four days. Just try it. You know it is all in getting the seed to sprout."—Market Growers' Journal.



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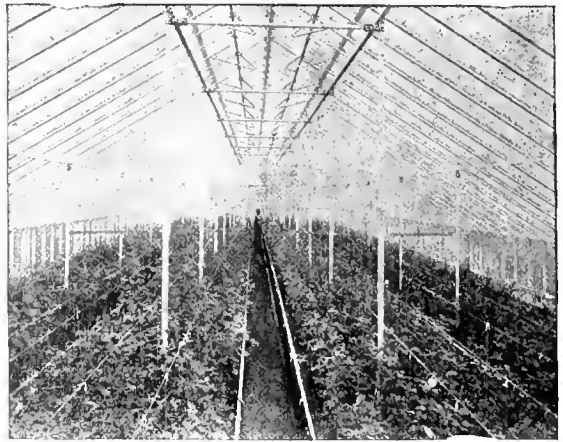
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Newport, R. I.

News Notes.

From a contemporary publication we learn that before the advent of another year the Newport Horticultural Society will be in the enviable position of owning a building for the holding of exhibitions and for various other laudable purposes. The consummation of such a devoutly wished state of affairs in so short a time appears only in dreams, but that it will some time come to pass is confidently expected. A building such as would be in any way serviceable for the society would cost a large amount of money and although there exists in the treasury a nucleus for a fund for building it is increasing so slowly that efforts to obtain the necessary amount must be directed along other lines. The best suggestion yet offered is that of forming a stock company and asking those of the Summer residents who have permanent interests in Newport to subscribe, and at the same time expect that the members of the society themselves subscribe liberally. The majority of the members are not disposed to obtain a building by means of charity in any form. With the dawn of an era of happier times a vigorous movement for a new hall will be made—but not this year.

Mr. Folger of the Bonnie Brae Nursery Company is now in Newport in the interests of the firm he represents.

Thomas Knight of Knight & Struck announces his intention of making his first visit to Newport since he has embarked in business, this week.

The Geo. A. Weaver Company is receiving large consignments of seeds and fertilizers.

William Galvin, who has been ill for some time, is rapidly recovering and able to attend to business.

W. Sage is now installed as superintendent for Alfred G. Vanderbilt at Oakland Farm, Portsmouth, R. I. Mr. Sage succeeded Alex. Adam, who is now in a similar position on the Taylor estate at Islip, L. I.

The executive committee of the Newport Horticultural Society has completed the schedule of premiums for the society's rose show, which will be held during the latter part of June or the first week of July.

There will be a great deal of Boddington's giant cosmos, Lady Lenox, planted in Newport this year.

The catalogues are coming in thick and fast and, strange as it may seem, their appearance gives no impression of hard times existing or in prospect; on the contrary, nearly all of them convey the impression that the houses sending them out are more than ordinarily prosperous.

The seventieth anniversary edition of Henry A. Brewer's Year Book is particularly handsome, complete and comprehensive and offers, as usual, many novel things. There is also a very noticeable improvement over former years in the catalogue just issued by Messrs. R. & J. Parquhar & Company; this firm makes a special display in offering for sale plants of dahlia Charles Lanier, and there is no questioning the firm's good faith and reliability in all that is said in praise of this really superb dahlia. D. M.

A Trip to Tiffin and Fostoria, O.

The attendance at our club meetings has been gradually getting less and life was flickering, when something had to be done to wake the boys up again. J. L. Schiller hit upon the idea of getting several numbers together in order to visit notable places out of town and in town on different days, and it is hoped that this will again bring some life into the club. We had to give up our old club room, as the treasury was very low, and we will meet at the different establishments of our members, thereby saving room rent and we believe drawing a better attendance.

A trip to Tiffin and Fostoria was the first one planned and on Sunday of last week eight of our craft took in this outing. We went by rail to Fostoria, where E. R. Sackett greeted us, piloting us by trolley to Tiffin to inspect the greenhouses of the late Louis Ullrich, now conducted very ably by his three boys. They took us through the houses, which were a revelation. The order at this place is away beyond anything we can show in Toledo, and the stock shows the skill of a careful grower. All the plants needed in a retail place of a fair-sized town are grown and as thriving a cut flower shipping business is done as 75,000 feet of glass are capable of. Carnations were in several small houses and filled the large house of latest construction, which is about 40x250 feet. All the stock looked well and being housed early in the season has given so far a satisfactory return. The cold storage houses for bulbs and cut flowers are very commodious and appropriate.

After refreshments had been liberally passed around the new store was visited; from here we were led to a hotel, where an elaborate dinner was served. We then boarded a car to Fostoria, the Ullrich boys joining us.

The greenhouses of the Fostoria Floral Company (E. R. Sackett, proprietor) cover about 60,000 feet, and Mr. Sackett has ordered all the material for four more new houses and intends to start building within a few weeks. Stock for retail trade is grown here as well, but the principal business is that of growing roses and carnations. It is doubtful if better stock can be found anywhere. A house containing Enchantress was a sight and the bursting of the calyx was not evident, though this is a constant complaint of our Toledo florists, and the color was just right. Mr. Sackett is especially fortunate with Golden Gate roses; long, strong-stemmed flowers are cut in a very large proportion. Bride and Bridesmaid were also excellent, but Richmond does not seem to like it so well.

It is our belief that such visits are of great benefit; one can always learn something new, and it cements good fellowship and gives pleasant hours, which impress themselves everlastingly on both parties. Scn.

Toledo, O.

FIRES.

TORONTO, ONT.—On February 18, 1908, fire in the store of D. J. Sinclair, florist, at 69 Bay street, did damage to the extent of \$5,000. The origin of the fire is unknown.

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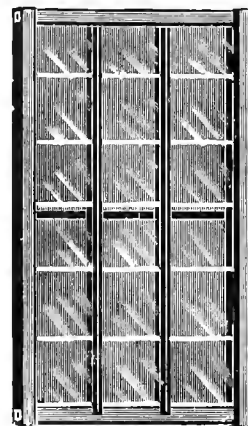
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Heating.

Growers' Problems Solved by U. G. Scollay.

I am building a greenhouse 33x100 feet for carnations; three foot sides of glass, side ventilation, ridge 15 ft. high. I would like to know the best way to pipe this house. I am in favor of solid beds and want to pipe accordingly. Please state number of pipes in coils and where the coils are best placed; also tell me how big a boiler (hot water) it would take to carry 55 degrees at night zero weather. Where would be the best place for the boiler—on west or east end of house—and how much lower would it have to be than the ground floor of the house?

Mass. W. F. E. —Assuming that you carry out your plan of solid beds and for a 33 foot house that you will have five beds, I suggest 23 lines of 2-inch pipe or its equivalent in heating coils. As houses of this description usually have a pathway under the eave you will place on the north side wall four pipes and on the south side wall three pipes. On the four outer beds you could place four 2-inch pipes, two on each side. The center bed will require no pipes. I would suggest that if these beds are made of concrete you try to arrange the pipe hooks solid in the bed to make a more durable job. These pipes, you will understand, will all be one above the other. As you will approximate 1400 square feet of heating surface, not in-

cluding the mains, I would recommend a boiler, for good work and economy, of 2,000 feet 4-inch pipe capacity. Start the mains at the boiler at least 4-inch and gradually reduce to the outer coils on the wall to not less than 2 1-2-inch. This layout is assuming that you can make a boiler pit at least 7 feet deep and that the main can run below the grade of the doorway across the west end of the house. You will require then no overhead mains, which in my opinion are no advantage. The west end will be the best position for the boiler, and you can place it toward the north side of the house. The connections to the coils on each of the benches, both flow and return, should be 2 1-2-inch. If you cannot get special fittings for this it will be easy to arrange connections, both flow and return, for the two flows and two returns of the coils, by using a tee in combination with elbow, tee to be 2 1-2 x 2 x 2. I suggest this 2 1-2-inch main for the bench coils because in my opinion 2-inch is rather small. Be sure and properly vent the ends of the pipe coils and follow other instructions that have been given for such work in previous articles. U. G. SCOLLAY.

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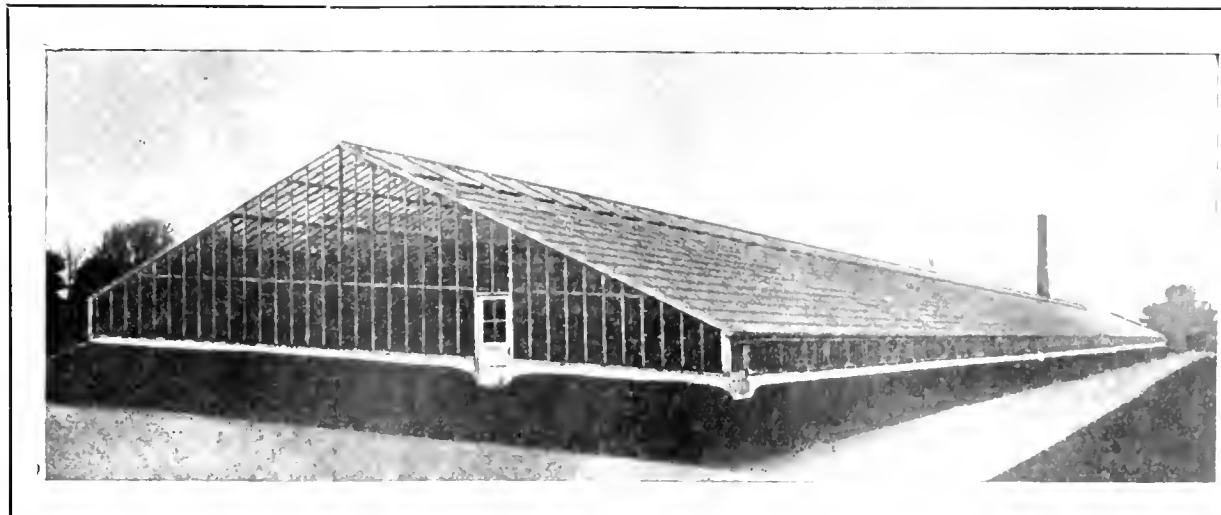


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Our new catalog will be sent anywhere on request. Ask for one.
JOHN C. MONINGER CO.
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WEST SIDE AVENUE STATION (C. R. R. OF N. J.)
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Have not been established 50 years, but long enough to convince the wide-awake Florist and Gardener that it is to his interest to place his work in thoroughly practical hands.
(150,000 sq. ft. glass erected in 1907 will substantiate this claim.)
And why not? My material is the best that can be secured. My iron frame construction has every modern feature that years of practical experience can embody.
And then there is the cost to be considered. Why not let us take up this important question now?



We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.
The A. T. Stearns Lumber Co.
NEPONSET, Boston, Mass.



WHOLESALE TRADE LIST

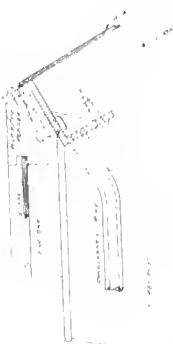
Asparagus Sprengeri, 3 in. pots, \$4.00 per 100.
Ampelopsis Veitchii, 1 year old plants, \$5.00 per 100, 2 year old plants, strong, \$10.00 per 100; \$1.50 per doz.
Ferns, Boston and Anna Foster, 4 1/2 in. pots, \$2.00 per doz.
Geraniums, best commercial varieties, rooted cuttings, \$2.00 per 100.
Ivy, hardy English, 4 in. pots, \$1.50 per doz., \$10.00 per 100.
Moschosma Riparium, 4 in. pots, \$1.50 per doz.
Spiraea Gladstone for Easter forcing, started 6 in. pots, \$3.00 per doz.
Carnations, strong rooted cuttings. Write for list of varieties and prices.
Stock from 2 1/2 in. pots, \$3.00 per 100.
Agaratum: Inimitable, Princess Pauline, Blue Perfection; Salvias: Zurich and Bonlire.
Heliotropo, dark blue and white.
Fuchsias, Elm City; Arabella; Black Prince; Avalanche; Lord Beaconsfield; gracilis.
Lantanes, Swainsona alba, Geranium, Mrs. Parker. Umbrella Plants. Ferns for dishes. Asparagus Sprengeri.
Rooted Cuttings, \$1.00 per 100.
Heliotropo, dark blue and white.
Fuchsias, four varieties; **Feverfew**, Little Gem. Cash with order please.

C. EISELE, 11th & Westmoreland Sts., Philadelphia, Pa

JOHN A. PAYNE

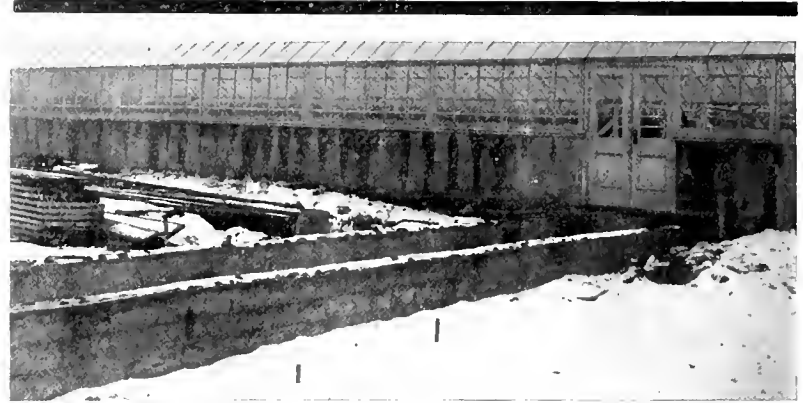
Greenhouse Designer & Builder

260-274 Culver Ave., Jersey City



The Payne Galvanized Iron non-freezing Z Bar Eaves Plate is acknowledged to be the best and the most durable. No inside dip, no sockets to hold moisture around wood bars.

Iron and wood frame greenhouses of every type—material only or erected. LET US ESTIMATE.



WHAT DELAY IN GREENHOUSE BUILDING MEANS

Here is the concrete heating main trench all ready for a twin Sectional Iron Frame House,

but the order was placed so late that with the crowd of work in the factory, it was impossible to turn out more than one of the houses in time for planting.

Don't let this sort of thing happen with you. That means *order now*, and order the house of "*Increased Efficiency.*"

We make every part of a Greenhouse but the glass. We sell any part.

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GLASS

headquarters for
Greenhouse and Hotbed Sizes

Write us for prices

Sharp, Partridge & Co.
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Greenhouse Material

FURNISHED AND ERECTED. Write for Prices.

I. CASSIDY, Summer Ave. & Erie R. R., NEWARK, N. J.

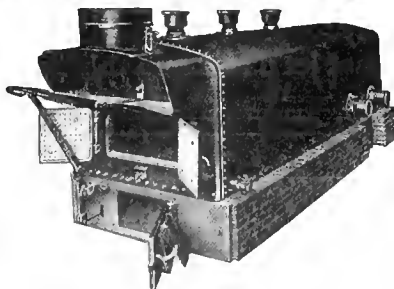
THE KROESCELL BOILER

IS THE ONLY PERFECT
HOT WATER BOILER

No. 1 FOR SMALL GREENHOUSES
No. 15 FOR A RANGE OF 50,000 SQ. FT.
GLASS HEATED TO 60 AT
15 BELOW ZERO.

Prices and Catalogue on application

KROESCELL BROS. Co.
33 Erie Street, CHICAGO



NOW IS THE RIGHT TIME TO FIGURE **MATERIAL** AND PLAN FOR THE BUILDINGS OF THIS YEAR

Foley's { QUALITY AND WORK THE BEST
PRICES RIGHT AND LOWEST
ESTIMATES WILL PROVE. TRY US

FOLEY VENTILATING APPARATUS UNEQUALED

Will ventilate any size of house easily. Send for circular

THE FOLEY MFG. CO., Western Avenue, 25th and 26th St., CHICAGO

The Florists' Supply House of America

Now is the proper time to replenish your stock in

WHEAT SHEAVES, CYCAS LEAVES, MAGNOLIA LEAVES, Green and Brown, as well as all other supplies

Our New Catalogue Free

H. BAYERSDORFER & COMPANY, 1129 Arch Street, PHILADELPHIA

PLANT CULTURE The Best Book for the Plant Grower - - - \$1.00
A. T. DE LA MARE PTG. & PUB. CO. LTD., 2-8 DUANE STREET, NEW YORK

A. HERRMANN
Manufacturer of **Flopal Metal Designs**

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

OFFICE AND WAREHOUSES: 404, 406, 408, 410, 412 East 34th St. WRITE FOR NEW CATALOGUE

THE FLORISTS' EXCHANGE

We are a straight shoot and vigorous plant
A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXV. NO. 10 NEW YORK AND CHICAGO, MARCH 7, 1908 One Dollar Per Year

CARNATION CUTTINGS

We are in unusually good position to supply exceptionally well-rooted, healthy stock. We have such a large quantity of flowering plants that we propagate only from heel cuttings from flowering shoots. Our cuttings are rooted in light, sunny, airy houses, and we are sure will satisfy the most critical buyer.

A prominent carnation grower writes: "You seem to be THE ONLY FIRM IN THE BUSINESS THAT KNOWS HOW TO PACK STOCK AND HAVE IT REACH THE BUYER IN GOOD CONDITION, and I have always found your cuttings cheaper than the same varieties from others at much lower figures."

While our prices may not always be the cheapest, we certainly can give, quality considered, as good value as, if not better than, is obtainable anywhere.

WINSOR which we introduced last year has proven to be the finest novelty introduced in years. We think it is the most profitable variety grown to-day, considering its fine color, splendid keeping qualities, and productiveness. When properly grown, it leaves little to be desired, and almost everyone succeeds with it.

White Enchantress the best all-round white carnation, on account of its large size, long stem, earliness, and productiveness. Our White Enchantress, exhibited at the Carnation Convention at Washington, was the only White Enchantress exhibited that received an award.

Strong-rooted cuttings, now ready for delivery, from sand, \$6.00 per 100, \$50.00 per 1000; from soil, \$7.50 per 100, \$60.00 per 1000.

Buyers will find transplanted stock offered from soil well worth the difference in price
F. R. PIERSON CO., Tarrytown-on-Hudson, New York

We offer, also,
BEACON and RED CHIEF, from sand, \$6.00 per 100, \$50.00 per 1000; from soil, \$7.50 per 100, \$60.00 per 1000. Also
VICTORY, MELODY and WHITE PERFECTION, from sand, \$4.00 per 100, \$35.00 per 1000; from soil, \$6.00 per 100, \$45.00 per 1000.
VARIEGATED LAWSON, WHITE LAWSON and RED LAWSON, from sand, \$3.00 per 100, \$25.00 per 1000; from soil, \$4.00 per 100, \$35.00 per 1000.
We can supply, also,
WINONA and AFTERGLOW at \$12.00 per 100, \$100.00 per 1000.



Vaughan's Asparagus Plumosus Nanus Seed

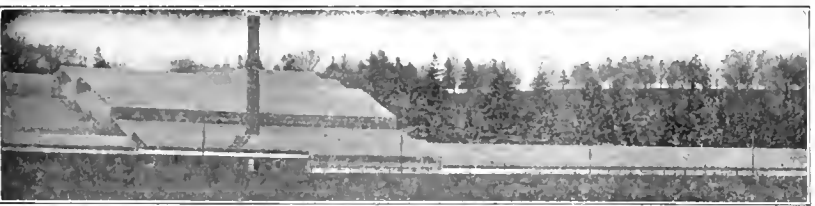
100 seeds 60c.; 250 seeds \$1.25; 500 seeds \$2.25; 1,000 seeds \$4.00; 5,000 seeds \$19.25; 10,000 seeds \$37.50.

Florists' Flower Seeds THE BEST IN AMERICA. NEW CROP
For a complete list, also Bulbs, Plants, Supplies, etc., send for **VAUGHAN'S BOOK FOR FLORISTS**
Free to florists on application.

TUBEROUS BEGONIA, Single white, yellow, pink and scarlet 35c. per doz., \$2.50 per 100; Single mixed 30c. per doz., \$2.25 per 100; double white, yellow, pink and scarlet 60c. per doz., \$4.50 per 100; double mixed 50c. per doz., \$4.00 per 100.

GLOXINIA CRASSIFOLIA GRANDI. Extra fine strain in separate colors 50c. per doz., \$3.50 per 100; choice mixture 45c. per doz., \$3.25 per 100.

Vaughan's Seed Store 14 BARCLAY ST. NEW YORK
CHICAGO, 84-86 Randolph Street, Greenhouses, Western Springs, Ill.



Grafted and Own Root Stock
Richmond, Killarney, Liberty, Bride, Bridesmaid, Kaiserin and Carnot
In excellent condition
Send for prices

W. H. ELLIOTT, Brighton, Mass.

PELARGONIUMS

We have a fine lot of good strong plants in 3-inch pots at \$1.50 per doz., \$6.00 per 100, such varieties as **Purity, Gloriosa, Countess of Crewe, Tommy Dodd, Duke of Cornwall, Lady Carrington,** and others.

GERANIUMS

A splendid stock of fine plants from 2-inch pots, good standard sorts, and new varieties at \$2.00 per 100 and up to \$1.00 each. We will send 1000 in 20 good varieties, our selection for \$18.50.

Our special descriptive Geranium catalog, describing over 250 varieties of Geraniums and Pelargoniums mailed free to the trade.

HARDY CHRYSANTHEMUMS

Our collection of Hardy Chrysanthemums will compare favorably with any in the country and we have an immense stock ready for shipment. Small flowered or button varieties, \$2.00 per 100; large flowered or Aster varieties, \$3.00 per 100; descriptions will be found in our wholesale list.

DAHLIA ROOTS

We still have about 75 varieties we can offer in **Cactus, Decorative, Show and Pompon** true to name at \$5.00 per 100 and up for whole field grown clumps. One thousand 50 each of 20 varieties our selection for \$40.00. If good kinds a splendid collection for planting or just the thing for store trade.

- IVY LEAVED GERANIUMS, 6 good kinds, \$27.00 per 1000
- HARDY CHRYSANTHEMUMS, 75 varieties, \$2.00-3.00
- ALYSSUM, Giant Double, 2.00
- CUPHEA, Cigar Plant, 2.00
- COLEUS, Verschaffeltii, Golden Bedder and other kinds, 2.00
- FUCHSIAS, Black Prince and Minnesota, 2.00
- FUCHSIAS, Lieutenant Muritz, White and Rose Phenomenal, 2.50
- HARDY ENGLISH IVY, Extra strong, \$17.00 per 1000
- HOLLYHOCKS, Strong 3-inch pot plants, double w. pink, red and yellow, 3.00
- LOBELIA, Crystal Palace Gem, 2.00
- PANICUM, Variegated, handsome basket plants, 2.00
- TRADESCANTIA, Dark variegated, 2.00
- VERBENA, Red, white, purple and pink, 2.00
- CALADIUM esculentum, 15, size \$7.00 per 100, 2 1/2 size 1.00
- LANTANAS, 5 varieties, 2.00
- LAVENDER, 2 1-2 inch pots, strong, 2.00
- SWAINSONA alba, 2.00

Visitors always welcome. Cash with order.
R. VINCENT, Jr. & SONS CO. WHITE MARSH MARYLAND



Idea of March are with us

BEGONIAS, single named colors	100	\$3.00
" double named colors	50	5.50
" mixed	25	2.50
CALADIUMS, medium	8	8.00
" large	10	10.00
GLADIOLUS, fine mixed large bulbs	\$8.00 1000	1.00
GLOXINIAS, named	80c. doz.	6.00
" mixed	60c. doz.	4.50
TUBEROSES	\$8.00 per 1000	
COCOANUT FIBRE for propagating	\$1.25 per bush	
TOBACCO DUST, black kind	100 lbs.	\$2.00

Wm. Elliott & Sons, 201 Fulton St., N. Y.

NEW DOUBLE BLUE LOBELIA

KATHLEEN MALLARD The Best Novelty for 1908

Intensely blue flowers, often measuring 3/4 inch in diameter, literally cover the plant, producing a splendid effect.

By buying now you can triplicate your stock from cuttings before planting time.

From 2 1/2 in. pots, \$1.00 per doz., \$8.00 per 100.

By Express Only

W. W. RAWSON & COMPANY

5 UNION STREET

BOSTON, MASS.



Landreth's Seeds

NONE are BETTER

Try Landreth's Red Rock Tomato, the best Large Red Sort Wholesale price \$2.75 per pound.

Or Shipper's Pride Cantaloupe, \$1.20 per pound.

BLOOMSDALE SEED FARMS, BRISTOL, PA.

LAWN GRASS SEED in Bulk and Packages

Dickinsons, Evergreen, and Pine Tree Brands

SPECIAL MIXTURE SEED FOR GOLF GROUNDS

MINNEAPOLIS

THE ALBERT DICKINSON CO.

CHICAGO

ONION SETS

Chicago produces the best ONION SETS in the country and our stock this year is not only full but of the very highest quality. Write us for prices.

KNUD GUNDESTRUP

4273 MILWAUKEE AVENUE CHICAGO

Conway's White Branching Aster

The flower is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season till late. Considered by the leading florists to be the best and most profitable flower ever grown.

Trade Packet \$1.00, Half-Ounce \$3.00, Ounce \$5.00

Cash with order please

F. A. CONWAY & CO. INDIANAPOLIS, IND.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



A. MITTING

Calla Lily Bulb Co.

WHOLESALE

17 to 23 Kennan Street

Santa Cruz, Cal.

U. S. A.

PLANT CULTURE

PRICE \$1.00.

A. T. DE LA MARE PTG. & PUB. CO.

2 DUANE STREET, NEW YORK

Prices Advertised in these Columns are for

CANNA BULBS

Fine plump, Northern Grown, and in fine condition. Not to be compared with Southern grown stock, that are never thoroughly ripened and therefore are very slow to start growing.

	Doz.	100	1000	Doz.	100	1000
Allemania	\$0.35	\$2.50	\$22.50	Gladiator	\$0.40	\$3.00 \$27.00
Black Prince	.40	3.00	27.00	King Edward	.50	3.50 32.00
Black Warrior	.35	2.50	22.50	Louisiana	.55	4.00 35.00
Burbank	.30	2.25	20.00	Mad. Crozy	.40	3.00 27.00
Black Musafolia	.40	3.00	27.00	Mlle. Berat	.30	2.25 20.00
Charles Henderson	.35	2.50	22.50	Musafolia	.30	2.25 20.00
Director Roetz	.35	2.50	22.50	Paul Marquant	.30	2.25 20.00
Flamingo	.30	2.25	20.00	Pres. McKinley	.35	2.50 22.50
Florence Vaughan	.35	2.50	22.50	Queen Charlotte	.35	2.50 22.50
Golden Star	.30	2.25	20.00	Robusta	.30	2.00 18.00
				Red Cross	.30	2.25 20.00

STUMPP & WALTER CO.

50 Barclay St., NEW YORK

Ribbons for Your Easter

flowers and plants. This Spring the dainty shades will give place to brilliant colors. Wonderful geranium and cherry shades, brilliant green and foliage colorings, pronounced purple and violet tints. These strong colors add wonderfully to the effectiveness of decorative plants and flowers.

Write now to us for samples, so that your stock of ribbons may be complete and ready when your Easter season begins. Samples cost you nothing, and these new colors and weaves will interest you.

The prices of our ribbons will interest you too. Consider that you buy direct from the mill, cutting out the jobber's and supply house profits, and thereby

YOU SAVE ALL BETWEEN PROFITS

The Pine Tree Silk Mills Company

Philadelphia

Office and Salesrooms: 806-808-810 ARCH STREET

Address Dept. E, 52-54 N. EIGHTH STREET

Narrow and wide ribbons, Satin and taffeta ribbons Messaline and Fancy Ribbons



ESTABLISHED 1802

COLD STORAGE LILY OF THE VALLEY PIPS

COLD STORAGE LILIUM HARRISII, also SPIRÆA GLADSTONE, LILIUM auratum, speciosum album, speciosum rubrum, large Flowering Japan Iris, Cannas, etc.

For prices state quantities required

J. M. THORBURN & CO.

33 Barclay St., through to 38 Park Place, New York.

Everything of the highest grade.

CABBAGE

Large red Ravachol, new, extra, last year's seeds, per oz. 50c.

LETTUCE, Improved Big Boston, extra pure seeds, per oz. 25c.; per lb. \$4.00.

Glory of the Market, the largest yellow lettuce in existence, same price.

BROCKMAN'S GREEN CELERY, extra, per oz. 50c. Golden Yellow, per lb. \$5.00; per oz. 40c. Sample free.

BEAULIEU, Woodhaven, N. Y. Tel. 4235 Gramercy

THE TRADE ONLY—

PANSIES

THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants, ready to bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500. PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

E. B. JENNINGS,

Lock Box 254, SOUTHPORT, Conn.

Grower of the Finest Pansies

NEW CROP

FLOWER SEEDS

Verbena Mammoth, in colors or mixed, 1/4 oz. 30c., oz. \$1.00.

Salvia Splendens, 1/4 oz. 35c., oz. \$1.25.

Salvia Bonire, 1/4 oz. 75c., oz. \$2.50.

Lily Valley, Early Foreing, to close out, per 1000, \$11.00.

Fresh Tobacco Stems, Bale of 300 lbs. \$1.50.

W. C. BECKERT, Pittsburg, N. S. Pa.

—Established 1824—

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway,

NEW YORK CITY

When Writing Please Mention THE FLORISTS' EXCHANGE.

CYCAS STEMS
(SAGO PALM)

True, Long-Leaved Variety

5 pounds.....	12c. per pound
10 pounds.....	10c. "
25 pounds.....	8c. "
100 pounds.....	7c. "
300 pounds (case)	\$13.00

Stems are graded in cases, as follows: 1/2 lb. to 2 lbs.; 2 lbs. to 5 lbs.; 5 lbs. to 10 lbs.

High-Grade Flower Seeds Ready

Write for Florists' Catalogue

JOHNSON SEED COMPANY,
217 Market Street, Philadelphia, Pa.

Who
Reads Advertisements?

Ours of February 29th
is worth reading

H. H. BERGER & CO.

70 Warren St. NEW YORK

PALM SEEDS

Kentia Forsteriana, March	100	1000
Kentia Belmoreana, March	50	1.00
Cocos Weddelliana, Im-		
mediate	1.00	7.50
Arecia lutescens, April	1.00	7.50
Lantania Borbonica, Feb-		
ruary	.50	2.50
Livistona rotundifolia, Apr.	2.00	17.50
Livistona Chinensis	1.00	7.50
Phoenix rupicola, March	1.00	7.50
Phoenix reclinata, March	.50	3.00
Phoenix Canariensis, Mar.	.50	3.00
Pandanus utilis, Immediate	1.00	8.00

ASPARAGUS PLUMOSUS NANUS, true greenhouse grown seed, 100 sds. 40c.; 250 sds. \$1.20; 1000 sds. \$4.00; 5000 sds. \$18.00; 10,000 sds. \$35.00.

ASPARAGUS SPRENGERI, 250 sds. 25c.; 1000 sds. 75c.; 5000 sds. \$3.00.

DRACAENA INDIANA (seeds), oz. 30c.; 1/2 lb. \$1.00.

Catalogues free.

ARTHUR T. BODDINGTON
Seedsman

342 West 14th Street, New York City



Cyclamen

Superb English Strain

Second to none in size of flowers

- Giant Crimson.
- " Pink.
- " White.
- " White with
- " Claret base.
- " Mauve.
- " Salmon Queen.
- " New Fringed.

100 seeds \$1. 1000 seeds \$9.
H. E. FISKE SEED CO.
12 and 13 Faneuil Hall Sq., BOSTON, MASS.

"If you are interested in finest quality goods, then please read our ad. on page 209 of this paper," issue Feb. 15, last.

JOHN SCHEEPERS & COMPANY
4 & 6 Old Slip, NEW YORK CITY

GLADIOLI

Write for 1908 trade list of Named Varieties, Color Sections and Choice Mixtures. First-class stock at reasonable prices.

E. E. STEWART, Rives Junction, Mich

VIOLET CULTURE

Price, \$1.50 Postpaid

A. T. DeLa Mare Piz. & Pub. Co. Ltd., New York



HELLER'S
MICE-PROOF
SECTIONAL
SEED CASES
BOXES and BINS

Send for Cuts and Prices

HELLER & CO.
MONTPELIER
Ohio, U. S. A.

HYDRANGEA and PRIVET CUTTINGS

HYDRANGEA CUTTINGS \$3.00 per 1000.
PRIVET CUTTINGS \$1.35 per 1000.

THE ELIZABETH NURSERY CO., ELIZABETH, N.J.

C. C. Morse & Co.
SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 56 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara, Farms and Farm Headquarters, Carnadero, near Gilroy.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

ESCANABA, MICH.—C. Peterson & Sons, florists, have installed a seed department, carrying a full line of field, flower and garden seeds.

SEDALIA, MO.—Archias' Seed Store says: "Our trade so far is entirely satisfactory, being about 30 per cent. better than that of the first 25 days in February, 1907. We attribute this largely to open weather and the fact that we have mailed ten thousand more catalogues than we did last season."

CANADA BUYS SEEDS IN THE UNITED STATES.—Four-fifths of the wheat and oats for seeding purposes, for which \$1,000,000 was appropriated by the Dominion Government, will be purchased in the United States. Large orders have been placed in Ohio, Illinois, Minnesota, Iowa and Nebraska.—N. Y. Sun.

IMPORTS OF SEED, ETC.—February 25.—H. H. Berger & Company, two cases bulbs. February 26.—H. Frank Darrow, one bag seed. February 27.—Yokohama Nursery Company, 20 cases garden seed; McHutchison & Company, 12 cases plants. February 29 and March 1.—O. G. Hempstead & Son, seven packages plants, etc.; Vaughan's Seed Store, two packages seed; Muller, Schalk & Company, 20 bags seed; F. B. Vandegrift & Company, 16 packages seed, etc.; McHutchison & Company, 48 cases plants; C. B. Richards & Company, 86 packages plants, etc.; G. W. Sheldon & Company, 15 packages trees, etc.; F. B. Vandegrift & Company, 30 packages plants, etc.; P. H. Petry Company, nine cases plants; Pitt & Scott, nine cases plants.

MOH PESTS AND FREE SEEDS.—The House Committee on Agriculture at Washington has voted to increase the appropriation to fight gypsy and brown tail moths in New England from \$150,000 to \$250,000, and this latter item is now included in the agricultural appropriation bill. The committee also voted to include in the bill the usual appropriation for free seed distribution, which was stricken from the bill several years while former Representative Wadsworth of New York was chairman of the committee. Some of the members sought to defeat the seed proposition this year, but failed to do so. They did succeed, however, in reducing the number of packages of seeds allowed the Secretary of Agriculture from one-sixth to one-twentieth of the whole number of packages. The effect of this action is to give members of Congress a larger number of packages. Meriden (Conn.) Journal.

THE FAILURE OF THE CLOVER CROP.—There are two principal reasons for the failure of the clover crop, which is becoming increasingly frequent in eastern and southern Ohio. The first is exhaustion of the soil supply of lime, the second is a fungous disease of the plant. In old fields lying upon sandstones, in which the clover makes a weak and patchy growth, mostly dying out the next winter after seeding and being replaced by sorrel, a deficiency of lime is to be suspected, and farmers who are located upon such lands should write for a...

Vick Quality Asters

INTRODUCED BY US
GROWN EVERYWHERE

- Vick's Branching (8 colors)
- Vick's Snowdrift
- Vick's Royal Purple
- Vick's Lavender Gem
- Vick's Daybreak
- Vick's Purity
- Vick's Sunset
- Vick's Mikado
- Vick's Cardinal
- Vick's Violet King

HOW TO GROW ASTERS, Revised

Full of information for Aster Growers

Price 10c.

Free with an order of Aster Seed.

FLORISTS' NOVELTY COLLECTION

- Six of our latest introductions including Sunrise (New) and Early White Branching (New). Price
- Vick's Early White Branching \$0.25
- Vick's Imperial Aster Sunrise .25
- Vick's Violet King .20
- Vick's Cardinal .25
- Vick's Lavender Gem .25
- Vick's Rosy Carmine .25
- How to Grow Asters .10

\$1.55

All of the above, including our "Aster Book for Florists" for 90c.

SEND FOR OUR NEW
Illustrated and Descriptive
Aster Book for Florists

It describes in detail, not only the varieties originating with us, but also all other leading sorts.

The largest and handsomest work of its kind ever issued.

EVERY FLORIST OUGHT TO HAVE

Vick's Wholesale Catalogue which gives prices on all the best varieties of flower and vegetable seed; plants for greenhouse and outdoors; splendid assortment of bulbs.

Both of these catalogues are free.

JAMES VICK'S SONS
ROCHESTER, N. Y.

The Leading Specialists and Largest
Growers of High-Grade Asters
in the World.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

Onion Sets
At Right Prices
VAUGHAN'S SEED STORE, 14 Barclay St., N. Y.

W. & D.'S SPECIALTIES FOR 1908
Tomato, "The Don," best for forcing. Cauliflower, First and Best. Onion, Ailsa Craig. Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spawn, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready. Free on application.

WEEBER & DON, SEED MERCHANTS AND GROWERS
114 Chambers St., NEW YORK

S.M. ISBELL & CO.
JACKSON, MICH.

CONTRACT SEED GROWERS
Bean, Cucumber, Tomato, Pea, Muskmelon Squash, Watermelon, Radish, Sweet Corn
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ALPENA . . . MICH.

tion on liming the soil, published by the Ohio Experiment Station, at Wooster.

Where the clover fails on limestone soils disease is probably the cause, and for this no remedy is known except to substitute mammoth or alsike clover for the common red. The alsike has proved a very good substitute at the Ohio Station. Its seed is much smaller than that of red clover, and at present is lower in price. A bushel of alsike will sow nearly as much land as two bushels of red or mammoth. The alsike is not only more resistant to disease, but also endures soil acidity better than the red, and the Ohio Station has adopted the plan of mixing the two varieties. On very acid soils, that have not been limed and which should be sown to clover this Spring, it is probable that it would be economy to sow the alsike clover alone; but all such soils should be limed at the earliest practicable date, for the benefit of other crops as well as clover.

Seed Trade Notes.

The last week of February cannot be said to have given very much satisfaction to the seed trade in general as regards the business done. As was expected we all started the week after Washington's Birthday with especially large mails (the accumulations of the double holidays of Saturday and Sunday); this circumstance instilled considerable real activity into trade for a couple of days; but the weather continuing persistently severely cold for the season, we are, on the whole, not nearly so busy proportionately as we were in January. There are signs that we are not to have a normal Spring this year; that is, an average early one. Already from the South comes the report that in several sections early planted tomatoes and cucumbers have been killed by hard and most unseasonable frosts, the cold lasting so long that the ground became thoroughly frozen, and the usual coverings availed nothing. When it does warm up, we shall surely have a fearful rush of orders in every department, but there have been very few real busy days as yet.

Onion sets are having more than usual good sales, at both wholesale and retail; the best samples of white sets are firmly held at \$3.25 to \$3.50 per bushel, yellow and red sorts at \$2.50 to \$2.75. As regards the increased sales of onion sets at retail, I am convinced that these, during the last few years, have been greatly encouraged, since the custom became general of selling white sets at 25c, and yellow and red at 20c, and even less a quart.

It is turning out that many varieties of flower seeds are exceedingly short; the shortages are, however, so scattered throughout the list that the inconvenience will be very slight as compared with the trouble over the deficiencies in the vegetable line. A stock of flower seeds differs very materially from the vegetable seed stock, in that the great majority of flower seeds are sold in mixtures, which allows a crop failure here and there of some specific sort without much hurt. It is not so with the vegetable seeds; every shortage marks a distinct loss of business and much disappointment to the planter.

Apocryphal of flower seeds, it would be only natural if prices should advance quite materially during the next few seasons, and hold the advances, too; for it seems to me that the perfectly enormous quantities that are annually being distributed by the children's garden societies in all our large cities are most wonderfully encouraging the planting of flower gardens; in connection with which, when you consider that as high as a half million packets of flower seeds have been distributed yearly in a single city in this work, it will be plain that the seeds needed to carry along this children's gardening plan are in themselves a huge quantity.

European Notes.

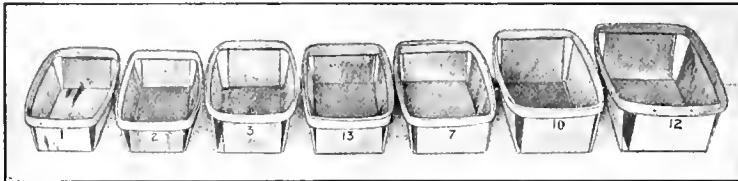
The writer observes, with pleasure, the new and most appropriate addition to the title of these humble efforts of his pen to record the changing movements in that which concerns our joint interests on both sides the Atlantic. If there is any truth in folklore the coming season should be one of the best on record, for the month just closing has been "February ill dyke" with a vengeance. Already more than double the average

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No. 13 is 10 inches long, 5 1/2 inches wide, 3 inches deep, packed 500 in a crate, per 1000, 8.00
No. 11 is 10 1/2 inches long, 6 inches wide, 4 inches deep, packed 500 in a crate, per 1000, 9.00
No. 12 is 11 inches long, 7 inches wide, 4 inches deep, packed 250 in a crate, per 1000, 10.00
With detached wire handles if required, \$2.00 per 1000 additional.

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rainfall to date has been recorded, and sowing operations which were unusually early in many districts have been altogether suspended. As the weather continues unhealthfully mild no great harm appears to have been done.

Quite a revival has taken place in the onion seed trade, particularly for the yellow and brown globe-shaped varieties; even the yellow Zittau is in moderately good demand, but French-grown straw-colored or yellow Strasburg is quoted to-day at one-third the price demanded early in October. The most popular variety is Ailsa Craig, in spite of its prohibitive price. This is not to be wondered at when specimens weighing two or three pounds each can be easily grown from Springsown seed. Many of these have been exhibited during the present month in the most perfect condition.

That malicious microbe, "la grippe," is having a most successful innings just now and has bowled over some of our folks who are well known on your side. Fortunately not many deaths are reported, but I. T. Huggins, A. Wallis, S. B. Dicks and a few more of the stalwarts have had a tough fight.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

J. E. ROSENFELD, West Point, Neb.—Wholesale Price List of Peonies; a comprehensive collection.

A. LEUTHY & COMPANY, Roslindale, Mass.—Wholesale Price List of Palms, Ferns, Decorative Foliage and Flowering Plants.

HARVEY B. SNOW, Camden, N. Y.—Annual List of Tested Seeds. Illustrated. Special offers are a feature of this catalogue.

ROSS BROTHERS, Worcester, Mass.—Illustrated Catalogue of Farm and Garden Seeds and Supplies, including interesting lists of Novelties and Specialties.

W. ATLEE BURPEE & COMPANY, Philadelphia, Pa.—Price Supplement for 1908, showing the many places where the products of Burpee's seed have excelled at exhibitions.

MUZZY BROTHERS, Paterson, N. J.—Illustrated Catalogue of Vegetable, Field and Flower Seeds, Implements, Insecticides, Poultry Supplies, etc. In the lower seed department of the catalogue are given interesting tables, showing hardiness and duration, height, color and description of each of the subjects enumerated.

WILLIAM H. MOON COMPANY, Morrisville, Pa.—Catalogue of Hardy Trees and Plants for Every Place and Purpose. An interesting and beautifully illustrated catalogue replete with valuable information. This firm was established 36 years ago by William H. Moon, with 20 acres of trees; to-day the concern owns and operates upward of 300 acres. "Moon's Trees are growing in every State and Territory of the Union."

STORRS & HARRISON COMPANY, Painesville, O.—Catalogue of Fruit and

Ornamental Trees, Shrubs, Roses, and Bulbs. These nurseries now embrace over a thousand acres of various kinds of soils, enabling the firm to grow its extensive assortment of fruit and ornamental stock, and to plant each kind in environments especially adapted to its best development. The catalogue is replete with valuable offerings and instructive information.

ELLWANGER & BARRY, Rochester, N. Y.—General Catalogue for 1908. This is a most interesting and comprehensive catalogue, profusely illustrated with halitone engravings. Part I is devoted to Fruits and Small Fruits; Part II to Ornamental Trees, Shrubs, Peonies, Hardy Border Plants, etc.; Part III to Roses. Accompanying the catalogue the firm is distributing a most instructive pamphlet on "How to Have Roses; the Best Sorts to Grow," prepared by William C. Barry.

THOMAS MEEHAN & SONS, INC., Germantown, Philadelphia, Pa.—Manual of Outdoor Plants, being a comprehensive enumeration of Trees, Shrubs, Evergreens, Vines and Climbers, Ornamental Hedge Plants, Fruit Trees, Small Fruits and Nuts, Perennials, etc. This firm was founded by the late Thomas Meehan fifty-three years ago. There are now some 280 acres necessary for its varied plantings. The catalogue is profusely illustrated and great care has been exercised to give the correct nomenclature, which renders the catalogue very valuable as a work of reference. A host of useful information is likewise furnished.

VEGETABLE PLANTS

TOMATO, Mayflower, Lorillard, Earliana, Early June Pink and Early Jewel, 30c. per 100; \$2.00 per 1000.

BETS, Egyptian and Crosby's, 20c. per 100; \$1.25 per 1000.

CELERY, White Plume and Golden Self Blanching, 20 cts. per 100; \$1.25 per 1000.

PARSLEY, Moss Curled, 30c. per 100; \$2.00 per 1000.

CAULIFLOWER, Early Snowball, 50c. a 100.

LETTUCE, Grand Rapids, \$1.00 per 1000.

PEPPER and EGG PLANTS, ready for transplanting, 40c. per 100; \$2.00 per 1000.

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GILBERT H. WILD, SARCOXIE, MO.

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Strong bulbs, \$60.00 per 1000. Florists' white and light, mixed, \$12.00 per 1000.

Iris Kaempferi, named, \$50.00 per 1000.

Iris Kaempferi, mixed, \$30.00 per 1000.

Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.

Phoenix Roebelenii seedlings, \$4.00 per 100.

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Tuberous Begonias

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GLADIOLUS BULBS

100,000 from 1 1/2 inches up to \$4.00 per 1000. 100,000 3 to 1 1/2 inches at \$2.00 per 1000. Cash with order. Description given on request.

Nice block of CALIFORNIA PRIVET, \$10.00 per 1000 and up as to quality, write for particulars.

Nice lot of AMERICAN CHESTNUT TREES at a bargain. 35 large SUGAR TREES, most of them sample trees.

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FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best

Mushroom Spawm in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. in postage stamps. Address American Spawm Company, St. Paul, Minn.

SEED SWEET POTATOES

Bright, smooth stock of the following varieties, packed in light, strong baskets: Yellow Jersey, Yellow Nansmond and Big Stem Jersey, per five-eighths bushel basket, 90c.; per half barrel basket, \$1.75. Early Golden, per basket, \$1.00; half barrel, \$2.00. F. O. B. here.

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THE AMERICAN GARNATION

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DREER DAHLIAS

We can still furnish in strong undivided field-grown roots the following varieties of Dahlias. All of these are first-class sorts of their respective types and colors and strictly true to name.

Varieties specially suited for cut flower purposes are marked with an asterisk (*)

CACTUS DAHLIAS

*Abbon. A large, long straight petalled pure white flower with creamy centre of approved form	Doz. 1.00	\$2.50	\$15.00
*Aegir. Rich, warm cardinal-red, with peculiarly twisted petals	1.00	8.00	
*Amos Perry. Flowers very large, with long, tubular petals. Color fiery red; one of the earliest and freest flowering	2.50	15.00	
*Atilia. Tender mauve pink on the edges passing to a creamy white centre, a beautiful Dahlia of large size and excellent form	2.50	15.00	
*All Heidelberg. Fine orange-scarlet	.85	6.00	
Arachne (The Spider Dahlia). White edged crimson with peculiarly twisted petals; very variable	.85	6.00	
*Bessie Mitchell. A fine flower of strong stems, apricot orange shading to a reddish centre	1.25	10.00	
*Coronation. Glowing red; a medium-sized flower of fine form; splendid for cutting	2.50	15.00	
Comet. Delicate lilac, pencilled, spotted and striped with tyrian rose	1.25	10.00	
*Carmen Sylvia. Soft, rosy-carmine, shading lighter to the centre	1.25	10.00	
Charm. Centre petals white edged with pale yellow, the outer petals gradually changing to a light blush edged with salmon	1.25	10.00	
*Chara G. Stredwick. A splendidly formed flower of very large size, color shrimp pink shading to salmon-red in centre	1.25	10.00	
*Cupstan. Soft orange-scarlet, shaded apricot, remarkably free flowering	1.00	8.00	
*Cornucopia. Vermilion with carmine shadings long, narrow petals	1.00	8.00	
Dainty. Ground color lemon-yellow, shading to a soft, glowing gold rose with tip of yellow; truly dainty	1.25	10.00	
*Else. A charming variety, with a combination of delicate colors. The base of the petals is of buttercup-yellow, gradually passing to amber, finished with a tip of tyrian rose	2.50	15.00	
Earl of Pembroke. Bright plum color; a royal shade	1.00	8.00	
Exquisite. Fine pure orange-scarlet with salmon shadings	1.00	8.00	
*Firebrand. Rich, glowing vermilion, shading deeper	1.00	8.00	
F. A. Wellesly. Brilliant blood-red suffused with carmine	1.25	10.00	
*Floradora. A remarkably free-flowering, bright blood red	1.25	10.00	
*Florence M. Stredwick. Pure white, of large size and perfect form	1.25	10.00	
*Fruite. Peaches and cream describes the color of this beauty; a pleasing soft rose-pink passing to a cream centre	1.25	10.00	
Freigibigkeit. Rich glowing scarlet	.85	6.00	
*Fran Hermine Marv. Beautiful La France pink, a fine cut flower	2.50	15.00	
*Flora. An ideal white Cactus Dahlia. A large, heavy flower, produced on stout, stiff stems, makes it valuable for cutting	2.50	15.00	
*Gabriel. Creamy white, edged with vermilion; an improvement on the "Spider Dahlia" Arachne	1.25	10.00	
Gen. French. A good-sized flower of good form, of a pleasing terra-cotta	1.25	10.00	
Galliard. Rich, glowing scarlet, with long, tubular petals	1.00	8.00	
Gellert. Full, double, of fine form; scarlet, shading to ruby at base of petals	1.00	8.00	
*Gen. Buller. Cardinal red, each petal tipped with white	1.00	8.00	
*Gottelinde. Primrose-yellow, of fine form	1.00	8.00	
Graf Waldseeck. Delicate rose suffused with pink	.85	6.00	
Hans Sachs. Bright cherry red	.85	6.00	
*Harbor Light. Brilliant cochineal-red, with a stripe of reddish-apricot through the centre of each petal. The coloring is variable, sometimes the light, at others the dark color, predominating, but beautiful in either form	2.50	15.00	
*H. W. Sillem. A brilliant, rich, cardinal-red, with deeper shading, flowers of perfect form, and frequently measuring 7 inches in diameter	2.50	15.00	
Hohenzollern. Rich bronzy orange-red, with gold sheen	1.00	8.00	
Horn of Plenty. Deep carmine-purple, flowers large, long, narrow, twisted petals cleft on ends	1.00	8.00	
Imperial. Large-sized flower of deep currant-red, with deeper shadings	2.50	15.00	
Island Queen. Soft lavender pink	.85	6.00	
J. Bryant. Deep yellow at base, passing to pale yellow with reddish streaks	.85	6.00	
J. W. Wilkison. Rich ruby of fine form	.85	6.00	
*J. H. Jackson. Brilliant crimson-maroon; very free	1.25	10.00	
Kingfisher. Carmine-purple, long, narrow petals and finely formed	1.25	10.00	
*Kriemhilde. The most popular cut flower variety grown to-day, perfect flowers on long stems; color a brilliant pink, gradually shading to white at the centre	1.00	8.00	
Landrath Dr. Schiffr. A most pleasing shade of apricot suffused with rose	1.00	8.00	
*Lauretta. Base of petals deep amber-yellow, passing to apricot and old-rose on the edges; an attractive combination	2.50	15.00	
*Lenax. Ground color coral-red, suffused with apricot, shading to salmon-rose on the edges as the flower matures	2.50	15.00	
Lady Edmund Talbot. Coral red with rosy shadings	.85	6.00	
Lodestone. Orange-scarlet, large and free	.85	6.00	
Minnie West. Canary-yellow in centre, gradually shading to white at tips; a good, large flower	2.50	15.00	
Magnificence. A pretty Dahlia, ground color capucine-lake, passing to salmon-rose at the tips	1.25	10.00	
Mrs. H. L. Brousson. Large, perfect flowers of a delicate tint of salmon on a yellow ground	1.25	10.00	
Mabel Tulloch. Soft violet-rose with yellow shadings at the base of the petals	1.25	10.00	
*Mary Service. Apricot, shaded orange, shading to purplish-rose at the tips; a well-formed flower, and a free and continuous bloomer	1.00	8.00	

Mrs. H. J. Jones. Very large, perfect, rich, bright scarlet with cream colored edge, occasionally comes soft colored	Doz. 1.00	\$8.00	
Mrs. Carter Page. Glowing deep carmine	.85	6.00	
Mrs. Moore. Fine deep claret	.85	6.00	
Mrs. Jowett. Brilliant reddish salmon	.85	6.00	
Obli. Rich crimson-carmine of fine form	1.00	8.00	
Perse. Free-flowering, pure white	.85	6.00	
Rosine. Glowing crimson with purple shading	.85	6.00	
Reliable. A very large, bold, striking flower, of a pleasing madder-carmine, suffused with salmon and yellow	2.50	15.00	
Ringdove. Salmon-carmine centre with yellow shadings, passing to white on the edges; very variable, but always pretty	1.00	8.00	
Ruby. Deep vermilion centre, shading to ruby-red at the edge of the petals; a rich pleasing color	1.00	8.00	
*Ruekert. A superb flower of perfect form, a brilliant blood-red with darker shadings	1.00	8.00	
*Rakete. Rich glowing, fiery-red, of good form	1.25	10.00	
*Standard Bearer. Rich, fiery-scarlet, very free, and of perfect form	1.25	10.00	
*Stern. A beautiful pure lemon yellow, very free and one of the best yellows for cutting	2.50	15.00	
*Shooting Star. (Stern-schnuppe) Good-sized flowers, of regular form, produced on stout stems held well above the foliage. Color pure golden yellow; entirely distinct	2.50	15.00	
*Thuringia. Flowers very large, and always of good form; of a brilliant fiery-red color. A remarkably free bloomer	2.50	15.00	
Uberfluss. Brilliant geranium red	1.00	8.00	

*Bon Ton. A beautifully formed flower of large size, a rich garnet	1.25	10.00	
Chameleon. Fine colored centre, shading to crusted strawberry with yellowish blending of colorable flower	1.25	10.00	
Duchess of Cambridge. Base of petals white suffused pink, heavily tipped dark crimson	1.25	10.00	
Emily. Very large, with white markings	1.25	10.00	
Elegance. Tinted rose, tipped white	1.25	10.00	
Fern-Leafed Beauty. White, each petal edged with dark carmine-red	1.25	10.00	
*Frank Smith. Intense purplish-maroon shading almost to black, each petal tipped with white. The most perfect fancy Dahlia	1.25	10.00	
*Fanny Purchase. A fine deep yellow	1.25	10.00	
*Grand Duke Alexis. Large, massive flowers, ivory white with a faint tinge of rose at the extremities of the petals	1.00	8.00	
*John Thorpe. Solferino rose, of perfect form	1.25	10.00	
Keystone. Light rose, spotted and striped crimson	1.25	10.00	
*Miss Browning. Primrose yellow tipped with white	1.25	10.00	
*Miss May Loomis. White, suffused with soft rose	1.25	10.00	
Mrs. Stancovich. Straw yellow, suffused amber, striped red and mottled, and tipped blush	1.25	10.00	
Olympia. Bright rose pink, striped, spotted and pencilled crimson	1.25	10.00	
*Queen Victoria. Handsome bright yellow, beautifully quilled	1.00	8.00	
*Queen of Yellows. Beautiful primrose yellow	1.25	10.00	
*Red Hussar. Pure cardinal red; perfect form	1.25	10.00	
Ruth. Pure white with faint tint of blush on edges	1.00	8.00	
Striped Banner. Cardinal red, striped white	1.25	10.00	
Thos. Westcott. Fiery red, tipped white; very profuse	1.25	10.00	
One each of the 33 varieties for \$2.50.			

NEW PAEONY-FLOWERED DAHLIAS

This new type of Dahlias originated in Holland, and promises to become very popular. The artistic flowers are very large, from 6 to 8 inches across, and are best compared to the semi-double paeonies in general form. They all flower very freely, and are borne on long, strong stems, making excellent material for cuttings, as well as for garden decoration.

- *Germania. Brilliant strawberry red, a very fluffy, artistic flower, standing well above the foliage, producing a very gay effect. 25 cts. each; \$2.50 per doz.
- *Glory of Baarn. Very large, loosely arranged flower of soft hortensta-rose color. 25 cts. each; \$3.50 per doz.
- *Queen Emma. A magnificent sort that appears almost artificial; it is of a charming shade of mallow or Hollyhock pink, the inner petals banded with gold. 25 cts. each; \$2.50 per doz.
- *Queen Wilhelmina. Immense, fluffy flower of pure white with yellow centre. 35 cts. each; \$3.50 per doz.

The set of 4 varieties for \$1.00.

TWELVE CHOICE DOUBLE POMPON DAHLIAS

- Alets Imperial. Creamy white, tipped analine red.
- Darkness. Deep velvety maroon.
- Elegante. Soft pink, tipped deep pink; reflex light pink.
- *Gold Hauchen. Pure primrose yellow.
- Kleine Domitica. Orange buff; always in flower.
- Little Bessie. Creamy white, quilled petals.
- Little Herman. Deep carmine, shaded garnet, tipped white.
- Little Naind. White, tipped amaranth red.
- Little Prince. Deep currant red, tipped white.
- Lon Kramer. Amber, heavily tipped crimson.
- Red Piper. Beautiful deep red of fine form.
- Snowlad. Unquestionably the finest white. 10 cts. each; \$1.00 per dozen; \$8.00 per 100.

The set of 12 varieties for \$1.00.

NEW CENTURY SINGLE DAHLIAS

These magnificent single varieties all originated from the celebrated Twentieth Century offered in this set. They are all of free branching habit, flowering early, profusely and continuously throughout the season, flowers from 4 1/2 to 6 inches across on stems 3 feet long, and when cut keep in good condition for many days.

- *Crimson Century. Rich, deep, velvety crimson, shaded maroon, with rose halo around a yellow disc. 15 cts. each; \$1.25 per doz.; \$10.00 per 100.
- *Maroon Century. Rich, velvety maroon with yellow disc. 25 cts. each; \$2.50 per doz.; \$20.00 per 100.
- *Pink Century. Delicate soft pink, flower very large. 20 cts. each; \$2.00 per doz.; \$15.00 per 100.
- *Scarlet Century. Brilliant scarlet with golden disc. 25 cts. each; \$2.50 per doz.; \$20.00 per 100.
- *Lavender Century. Delicate lilac with light shadings. Very pretty. 15 cts. each; \$1.25 per doz.; \$10.00 per 100.
- *Twentieth Century. Early in the season, intense rosy crimson, shading gradually to almost white on the edges and a light halo around the disc. As the season advances the flowers become lighter, changing to almost pure white, suffused with soft pink, not variegated but blended in the most beautiful manner. 15 cts. each; \$1.25 per doz.; \$10.00 per 100.

One each of the 6 varieties for \$1.50.

STANDARD SINGLE DAHLIAS

- *Alba Superba. Fine large white, with a dash of canary yellow at base of petals. 15 cents each; \$1.25 per doz.; \$10.00 per 100.
- *Advancement. Fine deep ruby-red with rose halo and yellow centre
- *Ami Barrillet. Rich pure garnet, with fine dark foliage at the base of each petal.
- *Fashion. Crimson-maroon with darker shadings.
- Gaillardia. Golden-yellow with a broad red band around a golden disc. 15 cts. ea.; \$1.25 per doz; \$10.00 per 100.
- *Gracie. White, delicately suffused with blush and a primrose halo around the disc.
- *Mrs. Bowman. Solferino, a large showy flower.
- Polly Eccles. Pure apricot with yellow shadings, a halo of poppy red surrounding the Indian yellow disc.
- *St. George. A pretty primrose yellow of large size. 15 cts. each; \$1.25 per doz.; \$10.00 per 100.
- Striking. Deep garnet, each petal with a white line on the tip.
- *Wildfire. Brilliant poppy-scarlet, of large size.

Price: Except where noted, 10 cts. each; \$1.00 per dozen; \$8.00 per 100.

One each of the 12 varieties for \$1.25.

We will furnish one each of the 121 varieties for \$1.00.

Listed, an interesting collection, for \$15.00.



Vesuvius. Buttercup yellow, striped and spotted with oriental red	1.25	10.00	
*Victor von Scheffel. An ideal cut flower, of a soft pink, passing to white in the centre; very pleasing	1.25	10.00	
*Volker. A charming free-flowering pure yellow	1.25	10.00	
*Uncle Tom. Maroon with darker shadings, almost black	1.00	8.00	
*Winsome. A fine white of good size and perfect form	1.00	8.00	
Zephyr. Crimson-carmine, intensified by bronzy shadings at the base of the petals; a fine large flower	1.00	8.00	

We will supply one each of the 78 varieties of Cactus Dahlias for \$7.50.

DECORATIVE DAHLIAS

*Admiral Dewey. A rich French purple; very Doz. 1.00	free.	\$1.00	\$8.00
*Black Beauty. Deep velvety maroon, almost black	1.00	8.00	
*Bronze Beauty. Bright coppery orange	1.00	8.00	
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Early Planting of the Larch.

All experienced planters know how impatient the larch is to begin its growth in the Spring. Often before a tree or shrub is dug in a nursery, the buds of the larch give evidence of pushing. Because of this it is one of the first on the list for early digging. When required in lists of stock for late plantings those who have cold storage buildings, as so many nurserymen now have, take care to have a supply of larch trees dug early and placed in the storage house, there to remain until the late order is ready for shipment.

There is more demand for larch of all species than there used to be, because of the call for it for timber. Forests of all kinds are disappearing so rapidly that the reforesting of the land is being talked of on every hand.

In Europe our native larch, americana, and the Japanese one, leptolepis, is wanted, also the Pacific coast sort, occidentalis, while our own foresters are planting the European species, auropea. The rapid growth of the larch, making it of some value in a very short time, is greatly in favor of its use, especially where timber of all kinds is scarce.

Roses for Low Walls.

Fronting many residences are low walls, which can and are often made attractive by being covered with vines or plants. Roses are especially well adapted for the purpose where the wall supports a bank of earth, as it so often does. The plants should be set in the soil, and their growth permitted to run along the top of the wall and droop over its face. The Wichuraiana hybrids are particularly well adapted for this purpose, as the many examples of them met with so used fully testify. They are all close trailing kinds to a great extent, and because of this often hang so close to a wall as to appear almost like a running vine. Of the older known sorts Pink Roamer, Gardenia, Jersey Beauty, Evergreen Gem and South Orange Perfection are often met with; and now Dorothy Perkins is finding its place in the same way. When planted, unless from pots, roses of all sorts should be given a close pruning. All may not require it to make them live, but it ends in bringing about better plants of those that grow; and even those from pots, if in a dormant state, may be well pruned to their advantage. When in leaf such hard pruning would be a serious check to the plants.

Flat Clustered Japanese Snowball.

As the snowball season is approaching, those interested in ornamental shrubs of this nature should not forget Viburnum tomentosum, the one recognized as the parent form of the lovely variety, Viburnum plicatum, Japanese snowball, as all call it. Viburnum tomentosum is really a beautiful ornamental shrub. While a true snowball as the name is understood it has not rounded heads of white flowers, but bears its blossoms in flat heads. The flowers, while mostly sterile, are not all so, which is the reason why we do not get the globe head or "snowball" of those popularly known as snowball viburnums. But because all are not sterile we get in V. tomentosum valuable characters the true snowballs do not possess. The perfect flowers give us berries, and in Summer these become bright red, ornamenting the bushes greatly.

There is another valuable feature in Viburnum tomentosum—the reddish color of its foliage in late Autumn. Viburnum plicatum changes to a reddish brown; V. tomentosum is far more bright; "crimson and rich brown," some of the advertisers of the shrub name it.

While on this subject, there is another, Viburnum rotundifolium, the leaves of which become of a handsome color than either of the others, the last weeks of Autumn, and its "snowballs" are very large.

Aralias for the Lawn.

Those unacquainted with aralias have no idea of the beauty of the specimens when they reach a tree size, as they do in time. As they commence to gain height from a small size the growth is confined to a single straight shoot unless by some accident, or by design, the central bud is destroyed, in which case side branches are formed. But otherwise there is a height made usually of 8 to 10 feet without a single side branch. When about of this height an aralia usually flowers, and as the huge panicles come from the central bud, this, of course, stops its ascending farther in a straight line, and so branches are formed. These branches are never very numerous, and to many this gives the impression of its being a poor shade tree. But when its leaves come out in Spring, being of a compound nature, they spread over a great space—a perfect umbrella, some would say—making a single tree of it a desirable one to place a seat under.

The panicles of flowers are bushy, of a pale white color, the berries that soon follow are of a pink color before they become dark red, and all the time from the commencement of flowering until the falling of the berries late in Autumn, its inflorescence is something to admire.

There are three of these aralias desirable for planting—spinosa, japonica and mandshurica. The latter one is usually called dimorphanthus, and it has the least prickly stems of all. These spines have been thought an objection to the use of the aralias on a lawn. Well, it is not nice to catch hold of one, but hawthorns and many other trees and shrubs have thorns, yet are planted. When the aralias become tall enough to place a seat under them there is no harm done them at all to get a pair of clippers and cut off all the prickles as far up as may be desired. The one named mandshurica has smaller spines than the others and is just as desirable in all respects.

Hardiness of Prunus Caroliniana.

Editor Florists' Exchange:

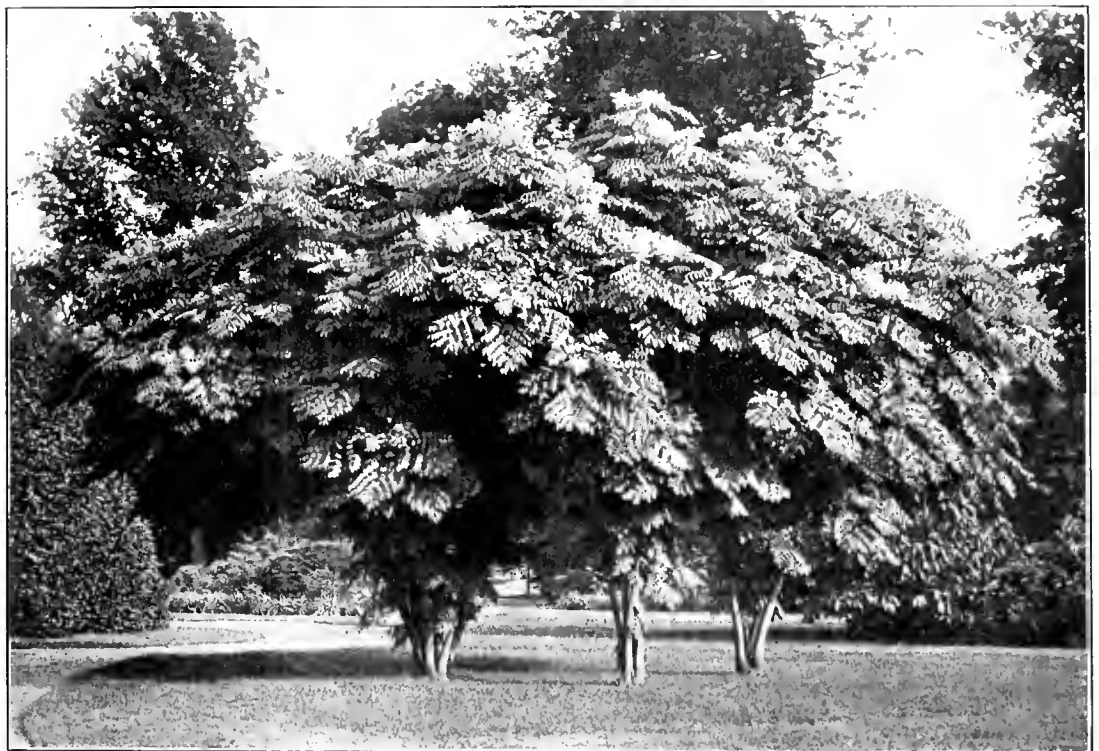
Noting what Mr. Meehan states in regard to the hardiness of Prunus caroliniana I would say that on this eastern side of the Chesapeake the climate is rather milder than on the western side in the same latitude, and while pomegranates, crepe myrtles and figs will grow here as well as Magnolia grandiflora, most of them will get somewhat nipped

this country, as closely as any man he had never before seen a golden berry holly. I tried to root some from cuttings but did not get them.

Now in regard to pruning hollies, Mr. Meehan is right in saying that they do not need pruning. But there are people who seem to imagine that any tree looks better with a tall trunk, and all over the South we find them trimming up the magnolias; when left to their natural growth they make splendid pyramids from the ground up. Fifteen years ago, when the late Mr. Tutts of Boston was making Pinchurst, the beautiful winter resort in the pine barrens of North Carolina, the first hotel built was to be named Holly Inn. He wanted some hollies about it, too. Acting on my advice he lifted from the open forest two plants that had formed dense heads from the ground, and were about six or seven feet high. Every leaf was carefully clipped off and the trees planted on each side of the front entrance to the hotel. They lived and thrived, and have been let alone. I saw these trees a few weeks ago, they still retain their original form, broadly conical, with the lowest branches on the ground, and are fully 20 feet through and nearly as many tall. Few people fully understand the importance of stripping the leaves from a broad leaved evergreen in transplanting; if this was always done there would be little loss.

W. F. MASSEY.

Salisbury, Md.



Aralia Spinosa.

in Winter, and there will be a Winter occasionally when in St. Mary's County and here figs would be cut to the ground, and pomegranates too, and the magnolias will get badly scorched. In such Winters the Prunus caroliniana would be cut down.

There are trees of this Carolina evergreen cherry in Raleigh, N. C., with stems nearly a foot in diameter, but even there, in the Winter of 1893-4 they not only lost their leaves but had a large part of the tops killed. In ordinary Winters, however, they are not hurt, and bloom in late February. This plant is native to the eastern coast of North Carolina, where it is never hurt in Winter as it is sometimes in the hill country.

Magnolia grandiflora trees here now look rather a pale green after the severe and sudden cold we had a week ago. I think that your St. Mary's correspondent would succeed better with Ilex cassine, the beautiful smooth leaved member of the holly family which is also a native of the North Carolina coast. The clusters of berries are far more beautiful than those of the ordinary holly, and the bush is neat and evergreen. Then another of the same family known as gall berry in North Carolina, Ilex glabra, makes a pretty dwarf evergreen shrub with black berries.

Speaking of hollies reminds me that I found in North Carolina two trees that uniformly make orange yellow berries instead of red. I sent specimens of these to Professor Sargent of the Arnold Arboretum, and he said that after studying the trees of

MISTLETOE POISON THREATENS TREES. Attention is being called to the deleterious effects of the Southern mistletoe on certain trees in Texas. It is said that the pest is particularly prevalent in the Gulf States, and that every municipality in Texas is affected with it. It has been stated by an authority that the life of a tree when thoroughly inoculated with mistletoe poison will terminate in about seven years.

The Texas mistletoe (Phoradendron flavescens) differs materially from its kindred parasite evergreen of Europe (Viscum album) held in veneration by the Druids, which is kept in check in the old world, but cultivated to some extent for Winter decoration. The variety in the cotton States is far more pernicious and must be wholly exterminated or the trees will all perish from its baleful blight. It is a beautiful but horrible parasite, and can only be destroyed finally by cutting off the entire bough on which the growth appears. Cutting out the parasite and leaving the limb affords temporary relief, but it is not the kind of treatment the case demands, for it will certainly reappear on the same bough at some other point.

An appeal has been made by the Audubon Society to Gifford Pinchot, the national forester, and he will as soon as he can, no doubt, send experts into the South to give the people advice about the destruction of the mistletoe.

The hackberry, which is popular in the cities as a shade tree, is one of the favorites of these poisonous parasites, and in nearly every city in the State where hackberry trees have been planted, about 25 per cent. of them have already died from mistletoe poison.

ROSES

Young Stock.

A few weeks after potting weeds will begin to appear, and if not attended to will soon outgrow the plants; therefore, the batch should be gone over and the weeds removed. A bright boy with a piece of hoop iron suitably bent, or a handle of a tea spoon, can go over quite a number in a day. As the plants are cleaned the smaller of the lot should be placed near the edge of the bench and the stronger plants to the rear; in this way the man with the hose can tell what he is doing and there is no danger of overwatering. The soil should not be disturbed too much, though; merely remove the crust. As soon as the plants are nicely started syringing must at once be resorted to or red spider will soon show; let the spray be fine and sharp, but not under too great a pressure, or the cuttings will become loose in the pots. Also let the spray get as near to the pots as possible, without washing out the soil.

Greenfly must also be guarded against, for if it once gains a foothold it is hard to dislodge. Fumigate lightly with tobacco stems two or three times a week if no old plants are in the same house; but as smoke from the stems would injure the flowers, procure some good tobacco dust, keep it in a dry place, and once a week give the plants a good dusting with it. An ordinary sulphur bellows works like a charm, if the powder is kept dry.

Do not hurry the plants along by overwatering; allow them to get fairly dry, then water thoroughly, and if there are a few pots drier than the rest take a pail and a small pot, pick these drier plants out carefully and even up the batch. Give all air possible in favorable weather, and keep a little sulphur on the pipes to keep mildew in check. By following these notes, the plants should make a good strong growth. A great deal depends on how the young plants are treated; for if they receive a check in their early stage they may outgrow it for a while, but remain very susceptible ever after, therefore every little thing should be looked after very closely.

Where stock is not to be planted till late in July or early in August, it is still time to put in a batch of cuttings, and these will make fine stock for late planting. But plants benched after July 10 do not get enough of a start before winter sets in, to produce a lot of flowers when the prices are at their best.

While the young plants must receive much attention, the old stock must not be overlooked. Keep the houses clean, the plants tied, and, above all, disbudbed, and away from the glass, if good blooms are to be expected. Keep the liquid ageing from now on; if the plants are healthy they will take a lot of food; but do not apply it if the benches are too dry. Syringe as often as possible now, and look out for corners and places hard to get at, as these are ideal harbors for red spider. As the days grow longer and more air becomes necessary, watch out for mildew and once a week put a little sulphur on the pipes; mix with it a little lime and it will not wash off so easily. Unless mildew has gained considerable headway, do not dust sulphur on the plants, as on hot days it has a tendency to burn both flowers and foliage. Thrips also may prove troublesome, therefore spray with the mixture as recommended in these notes some time ago.

How all of us would bless a man who invented a greenfly killer! This pest from now on multiplies very rapidly, and if it once gains a footing no amount of smoking will eradicate the pest. So keep it from getting a start.

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| Louisiana, 7 ft. high, Doz. | 100 | 1000 |
| 10c. each | \$1.00 | \$10.00 |
| A. Bouvier, 5 ft. | .35 | 2.25 20.00 |
| Beaute Poitevine, 3 1/2 ft. | .35 | 2.25 20.00 |
| Chas. Henderson, 4 ft. | .30 | 2.00 17.50 |
| Crimson Bedder, 3 ft. | .35 | 2.25 20.00 |
| Duke of Marlborough, 4 1/2 ft. | .35 | 2.75 25.00 |
| J. D. Eisele, 5 ft. | .35 | 2.25 20.00 |
| Explorateur Crampel, 5 1/2 ft. | .30 | 2.00 17.50 |
| Express, 2 to 2 1/2 ft. | .60 | 4.50 40.00 |
| Flamingo, 4 1/2 ft. | .30 | 2.00 17.50 |

Pink Cannas

- | | | |
|------------------------|-----|------------|
| L. Patry, 4 1/2 ft. | .35 | 2.25 20.00 |
| Luray, 3 ft. | .35 | 2.25 20.00 |
| Louise, 4 ft. | .35 | 3.50 25.00 |
| Mlle. Berat, 4 1/2 ft. | .35 | 2.25 20.00 |
| Tennyson, 5 1/2 ft. | .50 | 3.00 |

Orange Scarlet Cannas

Pres. Cleveland, 4 ft. .35 2.25 20.00

Red, Gold-Edged Cannas

- | | | |
|-------------------------------------|------|------------|
| Indiana, 3 to 4 ft. high, 15c. each | 1.50 | 10.00 |
| Mme. Crozy, 5 1/2 ft. | .40 | 2.75 25.00 |
| Souv. de A. Crozy, 4 ft. | .40 | 4.75 25.00 |
| Premier, 2 1/2 ft. | .35 | 2.25 20.00 |

Yellow Cannas

- | | | |
|-----------------------------|-----|------------|
| Buttercup, 3 1/2 ft. | .75 | 4.25 40.00 |
| Comte de Bouchar, 4 1/2 ft. | .35 | 2.25 20.00 |
| Florence Vaughan, 5 ft. | .50 | 2.75 25.00 |
| L. E. Bailey, 4 1/2 ft. | .30 | 2.00 17.50 |

Bronze-Leaved Cannas

- | | | |
|----------------------------|-----|------------|
| Brandywine, 4 to 5 ft. | .35 | 3.50 25.00 |
| Black Beauty, 5 ft. | .50 | 2.75 25.00 |
| David Harum, 3 1/2 ft. | .50 | 3.25 30.00 |
| Egandale, 4 ft. | .50 | 2.75 25.00 |
| Leonard Vaughan, 4 1/2 ft. | .50 | 2.75 25.00 |
| Musafolia, 8 ft. | .35 | 2.25 20.00 |
| Robusta, 6 to 8 ft. | .30 | 1.75 15.00 |
| Shenandoah, 6 ft. | .35 | 2.25 18.00 |

St ad trath Heidenreich, 4 1/2 ft.

20c. each. 2.00 15.00

Orchid Cannas

- | | | |
|-----------------------|------|-------------|
| Allemania, 4 to 5 ft. | .35 | 2.25 20.00 |
| Austria, 5 ft. | .30 | 1.75 15.00 |
| Italia, 4 1/2 ft. | .35 | 2.25 20.00 |
| King Humbert, 4 ft. | 1.25 | 10.00 80.00 |
| Kronus, 5 ft. | .35 | 2.25 20.00 |
| Mrs. Kate Gray, 6 ft. | .35 | 2.25 20.00 |
| Pennsylvania, 5 ft. | .50 | 2.75 25.00 |

All above Cannas packed 250 in a case. Full ease at 1000 rate; 25 at 100 rate.

Caladiums Esculentum (Elephant's Ear)

- | | | |
|--|-----------------------------------|------------|
| Bulbs measuring 6 to 8 in. Doz. | 100 | 1000 |
| in circum. | .25 | 1.50 10.00 |
| Bulbs measuring 8 to 10 in. in circum. | .50 | 3.50 30.00 |
| Bulbs measuring 10 to 12 in. in circum. | .75 | 5.50 50.00 |
| Bulbs measuring 12 to 13 in. in circum. | 1.00 | 8.00 75.00 |
| Monster Bulbs measuring 12 in. and upward in circum. | \$1.50 per doz.; \$12.00 per 100. | |

Our Wholesale Catalogue of Quality seeds and bulbs now ready. It contains forty pages of seeds and bulbs you need, fully described. Write for it today—a postcard will fetch it.

Arthur T. Boddington SEEDSMAN

342 W. 14th St., NEW YORK CITY

GERANIUMS Heteranthe, General Grant, Nutt, strong plants from 2 1/2 in. pots, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings of same, \$1.50 per 100; \$12.00 per 1000. Hill, Poitevine, Favorite, 2 1/2 in., \$2.75 per 100; \$24.00 per 1000. Rooted Cuttings of same, \$1.75 per 100; \$15.00 per 1000. Achyrantes, Red and yellow, R. C., 75c. per 100, 10 per cent. off on all orders before April 1. Cash please.

JAMES AMBACHER, WEST END, N. J.

CANNAS strong, dry bulbs. P. Marquand, Italia, Austria, Mme. Berat, Robusta, Pennsylvania, Grand Rouge, V. Hugo, \$2.00 per 100; La France, \$3.00 per 100.

ESTATE OF DAVID FISHER, Woburn, Mass.

Plant Notes.

HYDRANGEAS.—Among the plants for Spring delivery for which there are already more than usual inquiries are hydrangeas in tubs. There is seldom any scarcity of small and medium hydrangeas, but with good specimens in tubs it is otherwise.

BOSTON FERNS.—Slowly but surely the old Boston fern is coming again into prominence. Only the other day a jobber asked me to supply him with a large number of this fern in 6 and 8-inch pots, but I didn't have them, and I don't know any one around here who has got them in quantity. That won't be the case long.

ROSE NEWPORT FAIRY is a splendid variety for pillars or such like fixtures. I hardly think it is such a rank grower as some of the other varieties of its class. It is, however, quite distinct in flower from all of them.

DAHLIAS promise to be almost as popular as ever during the coming season at least, and fortunately so, when we think of how many more growers there are now than there were a year or two ago. The chances for the majority of these growers to make the business profitable are no doubt good, but the season of selling is so short that everyone must adopt the most up-to-date methods of propagation in order to make anything worth while out of it. Persons engaged in growing dahlia plants for sale who have no greenhouse have some excuse for contending that propagation by division is the best method to pursue in increasing stock, but that it is not the most satisfactory method from any point of view anyone who has tried both the one and the other knows full well. Propagation by division does not give by any means nearly as many plants as can easily be obtained from the practice of rooting the cuttings taken off tubers gently induced to make growth for cuttings. The number of cuttings possible from a tuber will, of course, depend to a considerable extent on the size of the former, but when they are carefully handled it is comparatively easy to secure twice as many plants in that way as from division. There is also the other consideration of after-success of the plants in their growing and flowering capacity. The best growers have no hesitation in asserting that plants from cuttings are more uniformly satisfactory in these all-important particulars than plants resulting from division of tubers. Then again, as to shipment to distant points, I know positively from actual experience with both methods, as a buyer and shipper, that there is less risk incurred in packing well-rooted plants in 3-inch pots, when the plants have been propagated from cuttings, than there is in the packing of started portions of tubers.

Now is the time to start into growth the tubers of dahlias from which cuttings are desired, and this should be done without undue excitement in order that the growth for cuttings may be in good and fit condition to survive successfully the trying ordeal of the period succeeding their removal from the tubers until furnished with sustaining roots of their own. The tubers should be placed in boxes or on a portion of a bench where plenty of light will reach them, and be nearly covered with leaf mold or any other kind of soil. Every variety should have a label with the name securely attached. When the growth has reached about 3½ inches it should be taken off, with a heel if possible, and placed in the sand, and as soon as the number available for the time being is thus disposed of a good watering is necessary and a light shading for a few days. Dahlia cuttings root more satisfactorily when the temperature of the house is moderately cool, with just a little bottom heat.

Each of the various types of dahlia has its own peculiar features and claims for recognition. The strikingly beautiful cactus dahlias are justly more admired for the decorative character of their flowers individually than any of the others perhaps, and they, as a class, also embrace quite a number now considered indispensable in floral work during the time they are available for such purposes.

The remarkable improvement noticeable in single dahlias in the last year or two makes these formidable rivals in the estimation of florists for general cut flower work of those of the more fantastic cactus type. Single dahlias of the Twentieth Century type are exceedingly well adapted for the decoration of rooms,

THIS IS A REMINDER TO ADVERTISERS THAT OUR

Nineteenth Annual Spring Number

WILL BE DELIVERED TO OUR SUBSCRIBERS THROUGHOUT THE ENTIRE COUNTRY ON

Saturday, March 28, 1908

Announcement of Our 19th Annual Spring Number

The coming of Spring never fails to give added impulse to horticultural and floricultural industries, and, to get your specialties before the buyer at the psychological moment when he is all ready and fully prepared to make his purchases for the season, is the opportunity we are affording you by bringing out this Spring Number on Saturday March 28. **Timeliness is an all important feature in advertising.**



The Business Paper for Business Men

OUR SPRING NUMBERS have earned the reputation of bringing unequalled profitable results to advertisers, as well as of being most interesting and instructive to the readers.

No matter to which particular branch of the business your line of goods appeals, an advertisement in this Spring Trade issue will bring gratifying results. **The opportunity is here; why not grasp it?**

To be in good time, copy for your advertisement must reach us by or before 12 o'clock, noon, of Wednesday, March 25; if received earlier, we can give it still better display.

Publishers **THE FLORISTS' EXCHANGE**

Short Address: P. O. BOX 1697, NEW YORK

CANNAS

Our stock is true to Name. Extra Selected, plumb, sound, 2, 3, 4-eyed roots.

	Per 100		Per 100
Austria	\$1.20	Italia	\$2.00
Allemania	1.75	King Humbert	12.00
Alba Rosea	2.00	Louise, pink	2.00
Alph. Bouvier	2.00	Metallica	1.50
America	2.00	M. Washington	2.00
Brandywine, new	3.00	Mont Blanc	8.00
Black Warrior	3.00	Musaefolia, new	1.50
Buttercup, new	4.00	Mrs. K. Gray	2.00
Burbank	1.20	Oscoda, new	3.00
Black Prince	2.00	Papa Nardy	6.00
Black Beauty	2.75	Pennsylvania	2.00
Coronet	2.00	Premier, gold ed	2.25
Chas. Henderson	2.00	Pres. Meyers	2.50
Crimson Bedder	2.00	Queen Charlotte	2.50
Evolution	2.00	Q. of Holland	1.50
Egandale	2.00	Robusta, red	1.50
Express, dwarf	4.00	Sec. Chabanne	2.00
Flamingo	2.00	Triumph	3.00
Flor. Vaughan	2.00	West Virginia	3.00
Gladlator, new	3.00	All kinds mixed	1.00

Dahlias, field-grown, leading kinds for cut flowers, all named, per doz. 40c.; per 100 \$3.50.

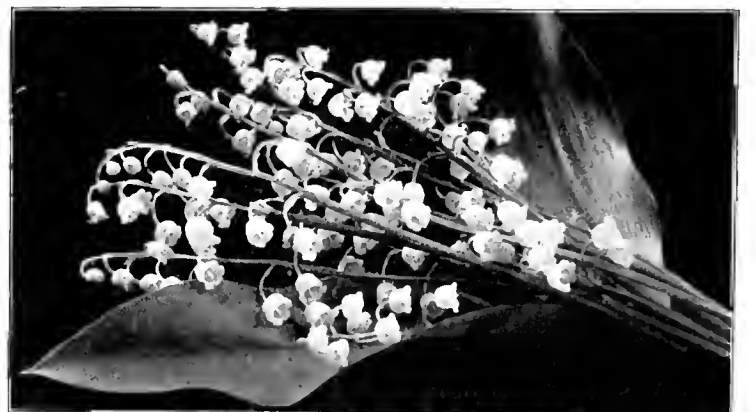
Caladiums escul.	Elephant's Ear.	Per 100
6-8 in. circumference		\$1.50
8-10 in. circumference		3.50
10-12 in. circumference		5.50
Tuberose, Pearl, 1st size, p. 1000		\$8.50 .90
Tuberose, Pearl, 2d size, p. 1000		\$4.50 .50
Gladiolus gand., mixed, p. 1000		\$7.50 .50

25 at 100 rate. All other bulbs, etc., see catalogue. **Shellroad Greenhouses, Grange, Baltimore, Md.**

in the filling of large and small vases with the flowers attached to their own long stems.

Some of the cactus dahlias are also suitable and effective for such purposes, but they are more commonly made use of by florists in made-up work, being artificially stemmed when so disposed of. Flowers of one distinct color are the most desirable for decorative purposes and there are of these many to select from.

There is again the decorative type of dahlia, which is well worthy of the consideration of all classes of growers, possessing as it does in many of the varieties belonging to it points of surpassing merit. Dahlias of this type are usually borne on stems superior to those of the cactus type for florists' uses, and the formation of the flowers of many of the varieties is of such a nature as to lend them admirably to decoration. There are two that are especially well adapted for cut flower work; the first and perhaps the best is Katherine Duer, the brilliant red so long popular in Newport, R. I., among the millionaires. The other is Fire Rain, an introduction of Henry A. Dreer, Inc., and offered by that firm



LILY of the VALLEY for EASTER FLOWERING

We have in cold storage in perfect condition for forcing a few cases of High-grade pips. 25pips in a 6 or 7-inch pot or pan finds a ready sale at Easter, and can be flowered in 4 weeks from time of planting. **\$11.00 per 1000; \$25.00 per case of 2500.**

HENRY A. DREER 714 Chestnut Street PHILADELPHIA

CANNAS

Two great gold medal cannas. King Humbert, 8c.; Wm. Kasting, 5c.; Brandywine, most magnificent bronze-leaved bedder, 3c. Egandale, 2½c. Crimson Bedder, a superb canna, 2c. Fine dormant roots, Cash.

N. A. CORLIN, Elberon, N. J.

DAHLIA ROOTS

Strong field grown, all good cut flower varieties. Also **KALMIAS** and other native plants.

J. M. BASSETT, Hammonon, N. J.

this year. This variety is also red and in other ways somewhat similar to Katherine Duer.

5000 CANNAS

LOUISIANA, beautiful dark red, orchid-flowering, strong roots, with 2 and 3 eyes, \$6.00 per 100; 200 for \$10.00. **20,000 DWARF BOXWOOD** for borders.

10,000 MAHONIA AQUIFOLIA, 3 year old.

Also fine lot of small shrubs; a real occasion for landscape gardeners.

For particulars write to

THE CEDAR HILL GARDENS SEA CLIFF, L. I., N. Y.

FERNS

MY SPECIALTY

I have an immense stock of assorted ferns for Jardinieres, healthy and bushy, none better; in 15 of the best market varieties, including *Cyrtomium Falcatum*, *Aspidium Toussemsense*, *Pteris Winsetti* and *Mayih*, in good proportion, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.

CENTER PLANTS (Exact Size)

Kentia Belmoreana, 2 1/4 in., \$1.30 per doz., \$10.00 per 100.
 Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Cuculentum, fine stock, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Farleyense, 4 in., \$4.75 per doz., \$35.00 per 100; 5 in., \$5.50 per doz., \$55.00 per 100, 6 in., \$12.00 per doz.
Adiantum Gracillimum, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000.
Cibotium Schiedei, 4 in., \$3.50 per doz., \$25.00 per 100.
Nephrolepis Scottii, 6 in., \$7.00 per doz., \$60.00 per 100; 8 in., \$15.00 per doz., worth the double.
Elegantissima and *Pieroni*, 5 in., \$5.50 per doz.
 Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, SHORT HILLS, N. J.

LATANIAS

Fine strong plants, 2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$6.00 per 100, \$50.00 per 1000; 4 in. \$15.00 per 100.
KENTIAS, *Belmoreana* and *Forsteriana*, 4 in. 25c., 5 in. 50c., 7 1/2 in. 75c.; 6 in. \$1.25, \$1.50; large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.
PANDANUS URBIS, strong 2 in. \$3.50 per 100; \$30.00 per 1000.
AZALEAS INDICA, fine plants, 35c. to \$2.00 each.

FERNS

Boston and *Pieroni*, 4 in. 15c., 5 in. 25c., 6 in. 50c., 7 in. 75c.
Whitman, 4 in. 25c., 5 in. 50c., 6 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.
 Small FERNS for dishes in AI shape, \$3.00 per 100, \$25.00 per 1000.
AZALEAS INDICA, fine plants, 35c. to \$2.00 each.

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FERNS

Boston, *Scottii*, 4 in. 15c.; 6 in. 40c. Some extra heavy *Scottii* at 50c. each. All pot grown.
Asparagus Plumosus, 2 1/4 in., \$3.50 per 100.
KENTIA Belmoreana, 4 in., \$25.00 per 100.
 Standard varieties of carnation cuttings at popular prices.

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NEPHROLEPIS

WHITMANI, 2 1/4 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.
FERNS, *Boston*, 2 1/4 in. \$3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

ADIANTUM FOR SPRING SALES

A. HYBRIDUM, 2 in., \$3 per 100, 3 in., \$7.00 per 100. The finest of MAIDENHAIR FERNS

LEY & BRO. HIGHLAND, Ulster CO., N. Y.

FERNS

BOSTON, 3 in. \$6.00; 4 in. \$12.50; 5 in. \$25.00; 6 in. \$40.00 per 100; 7 in. 90c. each.
PIERONI, 3 in. \$6.00; 4 in. \$12.50 per 100.
ASPARAGUS PLUMOSUS or *SPRENGERI*, 2 in. \$3.00; 3 in. \$6.00; 4 in. \$10.00 per 100. Cash or C. O. D.
 W. J. & M. S. VESEY, Fort Wayne, Ind.

Araucarias

Nice plants from 5 in. pots—4 to 5 Tiers
 60c. each; \$5.50 per dozen.

THE CONARD & JONES CO. WEST GROVE, PA.



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CARNATIONS and Novelties in DECORATIVE PLANTS
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FINE FERNS FOR JARDINIERS

Very bushy and in best varieties. Liberal count on all orders. 2 1/4 in. pots, \$3.00 per 100, \$25.00 per 1000.
Asparagus Plumosus Nanus, 2 1/4 in. pots, \$3.50 per 100, \$30.00 per 1000.
Cibotium Schiedei, 6 in. pots, \$1.00 each.

Thomas P. Christensen, SHORT HILLS, N. J.

FERNS For Jardinieres

Best varieties, strong, healthy plants from 2 1/4-inch pots, \$3.00 per 100; \$25.00 per 1000. 500 at 1000 rate. 3-inch, \$6.00 per 100.
CIBOTIUM Schiedei, 6-in. pots, \$1.00 each.
Nephrolepis Scottii, 7-in. 75c. and \$1.00 each; 9-in. \$1.50 and \$2.00 each.
 FRANK N. ESKESEN, Main Street, Madison, N. J.

Nephrolepis Scottii

In the following sizes, extra good value: 2 1/2, 50c., 75c. and \$1.00. GRAND SPECIMEN PLANTS at \$3.00, \$4.00, \$5.00 and \$6.00.

JOHN SCOTT
 Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Holly Ferns

Some extra fine plants of *Cyrtomium falcatum* the Holly Fern, *Pteris Winsetti*, *P. cretica alba*, etc. in 3 in. pot at \$6.00 per 100. 2 in. stock all sold for the present

R. G. Hanford, Norwalk, Conn.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.
 Sander, St. Albans, England
 and
 235 Broadway, Room 1, New York City

Are You Interested in the New Single 'Mums?

My list gives you a choice of 70 varieties. Varieties now ready are **KATIE COVELL, ROB ROY, HELEN TOTTY, HAROLD BISHOP, MRS. UNTERMEYER**, etc., all at \$2.00 per dozen; \$15.00 per 100, 2 1/4 in. pots. Buy now and increase your stock.

Chas. H. Totty, Madison, N. J.

CHRYSANTHEMUMS

MISS CLAY FRICK (White Duckham). Rooted cuttings, \$2.00 per 100; unrooted, \$1.00 per 100. Other varieties, \$1.50 per 100; unrooted, 75c. per 100. Cash.

Henry Eichholz, Waynesboro, Pa.

Chrysanthemum Rooted Cuttings

MONROVIA, MAUD DEAN and J. NOXIN. Rooted Cuttings for March delivery, \$1.50 per 100.

ANTON C. ZVOLANEK, BOUND BROOK, N. J.

CHRYSANTHEMUMS

For Every Purpose. A card will bring our Illustrated 1908 Catalogue.

ELMER D. SMITH & CO., Adrian, Mich. Successors to Nathan Smith & Son.

ORCHIDS

We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices. Write us for information as to kinds and prices.

We have just received the following orchids: *Oncidium Tigrinum*, *O. Sarcodes*, *O. Forbesii*, *Sophranitis grandiflora* and *coccinea*.
 LAGER & HURRELL, Summit, N. J.

Thousands of Orchids

In Sheath, Bud and Flower
 Write for particulars and catalogue
 JULIUS ROEHRS CO. RUTHERFORD, N. J.

ORCHIDS

We shall receive this Spring large quantities of imported ORCHIDS, namely: *Cattleyas*, *Dendrobiums*, *Oncidiums*, *Laellas*, *Vandas*, etc. Our facilities for handling large consignments are second to none. We have four collectors, including our Mr. Carrillo, who collect exclusively for us. Our quality and price are too well known to need further comment—a trial order will prove it.

Carrillo & Baldwin, Secaucus, N. J.

AMPELOPSIS VEITCHII

10,000 well-rooted, 20 to 30 inch, \$2.50 per 100; \$20.00 per 1000. 1000 one-year seedlings, 12 to 24 inch, \$1.50 per 100; \$12.00 per 1000. In pots of 2000 and over, \$10.00 per 1000; fine for transplanting; packed free of charge. For samples by mail send 25c. in stamps.
 Address, CHARLES BLACK, Hightstown, N. J.

Rooted cuttings of all soft-wooded plants are in demand at this time by florists who do not propagate their own stock. Growers making a specialty of the rooted cutting business will find an advertisement placed in THE FLORISTS' EXCHANGE a very profitable investment.

Newport, R. I. Horticultural Society Meeting.

A meeting of the Horticultural Society was held in Mercury Hall, Tuesday evening, February 25. First Vice-President James Robertson in the chair. The meeting was open to the public and many outside of the society were in attendance in addition to a large representation of members. Robert Cameron of Harvard University Botanic Garden read a very instructive and well-prepared paper on "Annuals and Biennials." The paper was well received and at the close of its reading Mr. Cameron was accorded a hearty vote of thanks. Remarks by members and others followed. Refreshments were provided by the executive committee.

John Marshall had on the table a number of seedling carnations; the chair appointed Messrs. Bruce Butterton, Stewart Ritchie and James J. Sullivan a committee to judge them and report. After considerable delay the committee made a report recommending a silver medal for a red seedling carnation and a certificate of merit for a white one. The recommendations of the committee were made effective by vote of the society. The red carnation of Mr. Marshall's, for which he was awarded the silver medal, is by far the best ever raised by him, and is in the opinion of the committee and of many others the finest red seen here. It is of a good bright shade of color, with large, well formed blooms, held very erect by long, stiff stems. Mr. Marshall has named it Newport.

News and Trade Notes.

John Beaton of the R. & J. Farquhar Company of Boston visited Newport last week.

E. L. Zeigler is already making preparations for the opening of his Bellevue avenue store for Easter. Many lilies seen in Newport lately are anything but in promising condition as far as quality of plants or flowers is concerned. Of course there are exceptions; but on the whole, by what I have seen, lilies here will be a poor crop.

There is probably a larger number of gardenias grown in Newport for Summer bloom than anywhere else in the country; nearly all bench planting is completed for the season.

There is a noticeable sentiment in favor of the old Boston fern in large specimens for house decoration.

A rather long and hard Winter is at last showing signs of passing away and with its passing more pleasant signs of activity are here and there noticed. There are one or two large places on which grading had been well started last Fall and the work carried on when weather permitted through the Winter; now that the frost is about all out of the ground the planting of trees and shrubs will be vigorously pushed along to a finish. The contractor in charge of regrading and planting the Pembroke Jones estate was around this week making arrangements for moving large trees onto the place. Large numbers of trees, shrubs and other plants will be used.

Pine coniferous material is used so extensively here that after every Winter it takes a great many plants to fill the gaps made in a few months. Some of this material is available in local nurseries, but usually a great many plants are purchased elsewhere. D. M.

The book of WATER GARDENING

By Peter Bisset Price, postpaid, \$2.50
 A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

PLANT CULTURE

THE BEST BOOK FOR THE PLANT CROWER.
 A. T. DE LA MARE PTG. & PUB. CO. LTD., 2-8 DUANE STREET, NEW YORK

Prices Advertised in these Columns are for THE TRADE ONLY— When Writing Please Mention THE FLORISTS' EXCHANGE.

LIST OF ADVERTISERS

Table listing various florists and their addresses, including Adams & Co, Allen J K, Ambacher J, Amor Nursery Co, etc.

Table listing florists and their addresses, including Ribsam Cathman, Rickards Bros, Robinson H M Co, etc.

INDEX TO STOCK ADVERTISED

Table listing various types of plants and flowers such as Abutilon, Adiantum, Ageratum, Alternanthera, Alyssum, etc.

PLANT CULTURE PRICE, \$1.00. The best book for the plant grower. A. T. DE LA MARE PTG. & PUB CO. LTD. 2-8 Duane St. New York.

Success Rewarded by Success The Unprecedented Sale of High Class Aster Seed

It fully demonstrates the fact that Cut Flower Growers of the better classes... as it may seem, we are expecting this season to improve upon our...

Marvelous last season's accomplishments by growing the plants 6 feet in height... as it may seem, we are expecting this season to improve upon our...

For other very interesting information relative to other special crops we are engaged to the culture of.

The Scientific Intense Culture Ranch, Elmhurst, Ill. Chas. A. Kibbe.

SELL YOUR CUSTOMERS FLOWER BOXES AS WELL AS FLOWERS Increase Your Sales and Please Your Patrons by Showing a Line of the ILLINOIS SELF-WATERING FLOWER BOXES

FRANCIS BRILL HEMPSTEAD, LONG ISLAND, NEW YORK CHOICE SEEDS FOR GARDENERS, TRUCKERS AND PLANT GROWERS

HIGH GRADE Southern Wild Smilax 50-pound case, \$2.00; 30-pound case, \$1.50. R. A. LEE & COMPANY, P. O. GEORGETOWN, GA.

Rooted CARNATION Cuttings CUTTINGS are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from.

ITALIAN ARTISTIC TERRA COTTA WORKS 208 West 21st St., New York Classical reproductions in Greek, Moorish and Italian styles in artistic Pottery.

BOUVARDIA Stock Roots for propagating. Red, white and pink, healthy stock, \$1.00 per doz. JOHN WHITE, Elizabeth, N. J. CUT FLOWERS FOR SALE

RECENT INTRODUCTIONS AFTERGLOW 1 1/2 in. per 100 LLOYD 1 from 2-in. pots. "PLENDOR" (Stevenson Bros.), a very promising variety, \$1.00 per 100; \$75.00 per 1000. Prompt delivery.

You can buy your Narcissus, Jonquils, Tulips, etc., direct from the largest growers in the South. For prices, etc., apply. HUBERT BULB COMPANY, R. F. D. No. 2. PORTSMOUTH, VA. Gold Medalists, Jamestown, 1907

DOROTHY PERKINS ROSE, in 2 1/2 in. pots, ready to shift, doz. 60c.; 100, \$3.00; 250 at \$2.50 per 100. 200 ASPARGUS SPRENGER, 3 and 4 in. pots ready to shift, doz. 75c.; 100 at 5c. CALIFORNIA PRIVET, all sizes from one to ten feet. Write what you want and I will mail price. Cash with order.

GRAFTED ROSES

NOVELTIES
MRS. JARDINE, RHEA REID, QUEEN BEATRICE.
The above, \$6.00 per doz., 50 plants for \$18.00 \$75.00 per 1000.

STANDARD VARIETIES
Aurora, Betty, Bon Silence, Bride, Bridesmaid, Eucharist, Etiole de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chateauy, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souy, du President Carnot, Souy de Wootton, Uncle John, Wellesley, White Cochet.

AMERICAN BEAUTY
Own root, 2 1/2 inch pots \$8.00 per 100, \$75.00 per 1,000. 3 inch pots \$12.00 per 100, \$100.00 per 1,000. April, May and June delivery.

OWN ROOT ROSES
We offer the following list of roses on their own roots. Our method of handling this stock gives us as fine plants from 2 1/2 inch pots as are usually sold for 3-inch. This stock is from 2 1/2 inch pots, repotted from 2-inch.

A. N. PIERSON, CROMWELL, CONN.

60 CHOICE VARIETIES OF VERBENAS

PERFECTLY HEALTHY—NO RUST. Rooted Cuttings, our selection, 75c. per 100; \$6.00 per 1000. Plants, our selection, 2 1/2-inch pots, \$2.50 per 100; \$20.00 per 1000.

Table with columns for Rooted Carnation Cuttings, White Varieties, Red Varieties, Yellow Varieties, and Variegated Varieties. Lists various rose names and prices per 100 and 1000.

60,000 GRAFTED ROSES for FORCING—Finest Growth

Orders booked for delivery in April, May and June.
Chateauy, Killarney, Richmond, Liberty, La France, rose pots, \$18.00 per 100; 3 1/2-inch pots, \$18.00 per 100.
Brides, Bridesmaids, Golden Gates, Kaiserin, rose pots, \$10.00 per 100; 3 1/2-inch pots, \$15.00 per 100.
Own Root Roses, 4-inch pots, \$9.00 and \$7.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Success with House Plants

BY LIZZIE PAGE HILLHOUSE.

A complete text-book and guide to the care, cultivation and propagation of all plants in the garden and the home.
The volume is written by a woman for women, in plain, concise language, easily understood, and the book has the special merit of giving directions which can be readily followed, the methods prescribed being of the simplest, and the material suggested to be used easily within reach of all.

To Retail Florists. The old thought, that it was dangerous for a customer to be superseded by the newer and more intelligent one, viz.: that the more successful a customer is with plants, the greater quantity will be or she buy.

We offer Special Inducements to all who wish to handle this book. It is a good seller.
A. T. DE LA MARE PRINTING AND PUBLISHING CO. Ltd.

Prices Advertised in these Columns are for THE TRADE ONLY—

COLEUS

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 60c. per 100; \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.
Golden Bedder, Hero, Messey, Pearl of Orange, 75c. per 100, \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.
Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c. per 100, \$6.00 per 1000. 250, in assortment, our selection, at the 1000 rate.

MISCELLANEOUS PLANTS

AGERATUM, Stella Gurney, Princess Pauline.
SALVIA Splendens, S. Bonifere.
HELIOTROPE.
Rooled cuttings 75c. per 100, \$6.00 per 1000.
ALTERNANTHERA, Red and Yellow.
Rooled Cuttings, 50c. per 100, \$5.00 per 1000.

CARNATIONS

Windsor \$6.00 \$50.00
White Perfection 2.50 20.00
Rose Pink Eucharistress 3.50 29.00
Eucharistress 2.50 20.00
Queen Louise 2.50 20.00
From 2 1/2 inch pots, add \$1.00 per 100.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS

From flats, \$10.00 per 1000.

CHRYSANTHEMUMS

Standard varieties, ready for shipment.
Rooled Cuttings, \$2.00 per 100, \$15.00 per 1000.
Send for list.

GERANIUMS

S. A. Nutt, Beaute Poitevine, Buchner, Ricard, Doyle, Viald, Pasteur, Mme. Salleron, 2 in. pots, \$2.00 per 100; \$20.00 per 1000.
Surplus of Nutt, Doyle and Buchner from 2 in. pots, \$1.75 per 100; \$17.00 per 1000.

COLEUS

Golden Bedder, Cinson, Verschaffeltii and fifteen other varieties, R. C., 60c. per 100, \$5.00 per 1000.
AGERATUM, Pauline and Gar-R. C., 2 in. pots, \$0.60 per 100, \$6.00 per 1000.
SALVIA Bonifere 1.00
DOUBLE PETUNIAS 1.00
HELIOTROPE, dark 75
FUCHSIAS, 20 varieties 75
SWEET ALYSSUM, Giant Double 1.00 2.00
SALVIA variegated 1.00 2.00
FEVERFEW, double white 2.00
ASPARAGUS plumosus nanus and Sprengerii, 3 in. pots, \$3.00 per 100.
Cash with order.

ERNEST HARRIS, Delanson, N. Y.

FELTHOUSEN'S GERANIUMS

None better, if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$1.50 per 100.
Beaute Poitevine, S. A. Nutt, La Favorite, John Doyle, Richard Brett, Ricard, Bruanti, General Grant, M. Canovas, Jean Viald, Pasteuram, Lady and several others.
FUCHSIAS, rooled cuttings, \$1.00 per 100, 2 1/2 in. pots, \$3.00 per 100.
HELIOTROPE, rooled cuttings, \$1.00 per 100, 2 1/2 in. pots, \$3.00 per 100.
SALVIA BONIFERE, rooled cuttings, \$1.00 per 100, 2 1/2 in. pots, \$2.00 per 100.
COLEUS, rooled cuttings, 60c. per 100, \$5.00 per 1000.
ROSE GERANIUMS, 2 1/2 in. pots, \$20.00 per 1000.
AGERATUM, Stella Gurney, 60c. per 100, R. C. 2 1/2 in. pots, \$1.00 per 100.
Cash with order.

J. E. FELTHOUSEN, Schenectady, N. Y.

GERANIUMS

Small, thrifty, from pots; sent nearly free of soil.
Nutt, Doyle, Grant, Buchner, \$13.00. Ricard, Poitevine, Perkins, Viald, Castellane, \$15.00 per 1000.
COLEUS Strong, clean, fancy, brightest only (big lot) and G. Bedder, \$5.00. Verschaffeltii, \$6.00 per 1000. Plants, most brilliant of all, \$1.00 per 100. Sage Fireball, plants, \$1.00 per 100. Gladion, fine mixed, 40c. per 100. All stock ready. Cash bargains on Nutt Ger. Fancy and G. B. Coleus.
DANIEL K. HERR, - - Lancaster, Pa.

GERANIUMS

ROOLED CUTTINGS
All engaged until late March or early April, will have a big lot them, send for list and place your order if wanted then.
ALBERT M. HERR, Lancaster, Pa.

CALIFORNIA PRIVET

CAL. PRIVET, 2-3 feet, 2 years old.
CAL. PRIVET, 1-2 feet, 3 and 4 years old.
For prices, etc., address
THE MORRIS NURSERY CO., N. Y. CITY
SALES OFFICE, 1 Madison Ave.

GERANIUMS

Rooled cuttings. TREGO, CASTELLANE, VIALD, CHARLOTTE, DOYLE, RICARD, POITEVINE, \$1.50 per 100; \$12.00 per 1000.
BUCHNER, MONTMORE, PERKINS, \$1.25 per 100, \$10.00 per 1000. S. A. NUTT, \$1.00 per 100.
Cash with order.
PETER BROWN, Lancaster, Pa.

FRINGED Double Petunias

Per 100
Rooled cuttings by mail.....\$1.25
VINCA variegated, R. C.....1.00
ABETILON, R. C., six varieties, French dwarf.....1.50
GAZANIA Splendens, R. C.....1.50
HELIOTROPE, dark, from soil.....1.00
ASPARAGUS, Sprengerii, 3 in., very strong.....5.00
PETUNIA, Grandiflora single in var. R. C.....1.25
SALVIA, tall and dwarf.....1.00
STROBILANTHES Dyerianus, R. C.....1.25
GERANIUMS, Mme. Salleron, R. C.....1.50
AGERATUM, White and Blue.....75
Cash with order, please.

GEO. J. HUGHES, BERLIN, N. J.

Commercial Violet Culture \$1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y.

THE WEEK'S WORK

Timme's Timely Teachings. Gardenias.

The propagation of gardenias is only successful where a somewhat high degree of heat combined with a rather close and congenially moist atmosphere can be steadily maintained without difficulty for weeks. During the months of Mid-winter a rightly placed and carefully attended indoor propagating case comes nearest to giving full satisfaction. February struck cuttings should now be ready for pots. Good soil for these is one-half leaf mold, one-fourth ordinary good garden loam and the remainder sharp sand. The potted plants now call for the same conditions and the same amount of watchful attention, until established as the cuttings did until rooted. At this season the grower who has or soon will have a hothed may make use of this as indeed the best place for newly potted gardenias, requiring to be held closely in a temperature not much lower than 75 degrees day and night. Where no hothed is available the indoor case must do. These plants, with another shift into larger pots and somewhat richer and more compact soil at about the beginning of May, will grow into the right kind of gardenias for the stocking of benches in June or July, or to be grown on under continuous pot culture. For this latter purpose it is still time to root cuttings; the ripened newer growth on old plants, shoots about two inches in length, put in very sandy leaf mold in small pots, will root in a hothed in a couple of weeks. In their care the proper amount of steady heat and moisture, shading and avoidance of cold drafts of air are essentials brooking no neglect. Any healthy old plants from a bench of gardenias to be used for other purposes, could now be potted up and be made to produce flowers next season.

Lemon Verbenas.

Old plants of lemon verbenas, rested for a couple of months and started afresh some four or five weeks ago, are now studded with new shoots. Such old plants hold forth an abundance of material for propagation, but otherwise are of no particular value for the retailer in plants, while the call for small and medium-sized plants of this old favorite has doubled in recent years. The newly made growth roots readily and quite a batch of good stock in this line may be worked up by the time sales begin, for in this case it is not show of bloom, but verdant growth, extremely redolent, which attracts buyers, be the plants ever so small. Early struck cuttings, which grow easily into the best of 4-inch market plants, should not for the want of time remain in the propagating bench too long; nor should they, after being potted up, be allowed to become root-bound before being again repotted into the fours, if thrifty growth and crisp appearance are to distinguish the salable plants from those so often seen in the Spring.

Holland Bulbs.

Advantage of any fairly good spells of weather had better now be taken for the bringing in of what yet may remain out of doors in hardy bulbs, potted or boxed. All kinds of narcissi, tulips, hyacinths and other less important varieties of Dutch bulbs that are to be forced before, at or after Easter, will after this date fare much better in any other cool, frost-proof place than under a covering in the open. Any and all of them, if so desired, can now without difficulty be subjected to pretty severe forcing, this to be followed by a few days of hardening off in a much lower temperature, not necessarily in a well-lighted house, if the flowers are to be cut. Tulips finish up best in some semi-dark place, where plenty of fresh air can reach them; hyacinths after being forced in great heat and under a heavy shading, need more light to bring out fully their colors when finally removed to a cool house before being cut for market, while daffodils and other varieties of narcissi need no strong heat at any time to become good stock for cutting. For these as well as potted hyacinths, tulips and the smaller Holland bulbs, to be sold as flowering plants in pans and pots, a light, airy and rather cool house will prove the best place. Any of the bulbs under heat need great quantities of water.

When Writing Please Mention THE FLORISTS' EXCHANGE.

Lilacs.

As most desirable cut material during the months of Winter lilacs are coming more and more to the front in our markets. Preparing lilacs for very early forcing includes etherization, a process now systematically employed by those who have made the forcing of lilacs on a large scale one of their principal specialties. Other means to the same end are not wanting. Plants afforded an opportunity in early Spring to start and complete their season's growth under glass in some well-lighted and ventilated cool greenhouse, will do this long before any not so favored. Then placed out of doors they will ripen up their wood early, with sufficient time to sprout for a thorough rest before being forced. Firmly established roots, thoroughly matured wood well set with buds, qualify lilacs for forcing in heat from 60 to even as high as 75 degrees if need be. If flowers refuse to open or to be perfect when open; in short, if failure proves the outcome, the cause in nearly every such instance is inattention to ventilating; i. e., lack of fresh air from the time the buds are seen until they are fully expanded. Lack of moisture in the air while lilacs are being forced is another very common cause of buds coming imperfect or remaining stuck after being formed. Less trouble of this kind is experienced in the latter half of Winter. Flowering lilacs offered as nice, bushy potted plants could be sold in early Spring in far greater numbers than growers seem inclined to put forth. Great heat in their culture is not required, but lots of room for every plant, much direct light and air.

Hotbeds and Frames.

The middle of March is about as early as florists care to make use of hotbeds, while cold frames come handy all the year through. That frames and sashes always in use cannot last long is quite natural. The constant wear and tear and exposure to all sorts of weather soon destroy the wood, and if the glass is to hold out longer, sashes must be kept in repair. When these once begin to show the infirmities of impending collapse, the corner joints losing their grip, and a bit of carelessness in oft repeated handling is added, there will then be no end to the breaking of glass. Such shabby old sashes, if seen to in time, may be made to do for another season, but if too far gone all further repairing and painting are but a waste of time and labor, which had better be expended in replacing with a new sash and using the old glass in glazing it. This is all work that could now be done, so as to have things ship-shape when wanted. Fresh horse manure forked over once or twice should now also be on the place and in readiness for the making of hotbeds. It is important to tramp down solidly layer after layer in building it up until the desired height is reached, when frame and sashes are placed on top. Very strawy manure, or tree leaves, intermixed in its preparation will generate a heat less intense but longer lasting. The soil to be used for the starting of seeds, a layer of about three or four inches, should not be put in before the rankness of heat has subsided and the bed has cooled down to the point desired.

Bougainvilleas.

Slowly being brought into bloom rather than actually forced in high heat is what suits bougainvilleas, as it does many other kinds of plants believed to need hard pushing. The potted plants of Bougainvillea glabra, started the first week in February in a cool house, then brought into 45 degrees of steady warmth, will now be benefited by another rise in temperature of about 10 or at the most 15 degrees, this to be the extreme point, only necessary for the formation of perfect buds the only serious obstacle in the culture of bougainvilleas growers have at times to contend with. Copious sprinkling with tempered water will help to overcome it. But after this is accomplished, it is better for any of the plants ready to expand their bracts to be again removed to a cooler house where they will finish up in finer form than in great heat. For the propagation of bougainvilleas, it is now the proper time, while new growth furnishes cuttings and bottom heat is still to be had.

Phlox Drummondii.

Why people who prefer to grow their own plants from seeds instead of patronizing their local florist have hardly ever any success with Phlox Drummondii, the seeds usually never coming up, is hard

STOCK YOU NEED NOW.

GERANIUMS

A. H. Trigo, John Doyle, S. A. Nutt, Bertha de Pressly, Mad. Boney, \$2.50 per 100.

Our choice of varieties in pink, red and white, \$2.00 per 100.

BEGONIAS

Marjorie Day, Thurston, Metallica, Rubra and Argentea Guttata, \$1.00 per 100.

Tuberous-Rooted—Single: In named colors, white, pink, scarlet, crimson and yellow, \$3.00 per 100; Mixed, \$2.50 per 100.

Tuberous-Rooted—Double: In named colors, white, pink, scarlet, crimson and yellow, \$5.00 per 100; Mixed, \$1.00 per 100.

CANNAS. We have a large list of standard varieties including: Chas. Henderson, Crimson Bieder, Beautie Potestino, Florence Vaughan, Queen Charlotte, Souv. de Antoine Crozy, etc., strong 2-eye divisions, \$3.00 per 100; \$25.00 per 1000.

THE STORRS & HARRISON CO., Painesville, Ohio

DAHLIAS (field-grown roots) Wm. ... Mrs. Wellesley, Admiral Dewey, A. D. Llyond and Fern-Leaf Beauty, \$5.00 per 100; Grand Duke Alexis and Kismetville, \$7.00 per 100.

MARGUERITE, Queen Alexandra, \$3.00 per 100; Coronation, \$3.00 per 100.

ROSEON FERNS. Plants well established in 2 1/2-inch pots, \$1.00 per 100; \$30.00 per 1000.

SMALL FERNS for dishes, \$2.50 per 100 ASPARAGUS PLUMOSUS NANUS, 2 1/2-inch pots \$3.00 per 100, \$25.00 per 1000

BOUGAINVILLEA GLABRA SANDERLAXA, 2 1/2 inch, \$1.00 per 100; 4 inch, ready to bloom, \$20.00 per 100.

BOXWOOD, Pyramids, 36 inches high, \$1.75 each.

BOXWOOD, Bush form, very heavy, 30 to 36 inches high, \$2.00 each.

RHOODODENDRONS. Short, well-formed plants for pots, full of buds, 1 1/2 inch size, \$5.00 per dozen; 2 1/2 inch size, \$12.00 per dozen.

AZALEA MOLLISS. Bushy plants, full of buds and easy to force, 12 to 15 inches high, \$25.00 per 100; 15 to 18 inches high, \$35.00 per 100.

KENTIA PALMS in all sizes.

LANTANA IRRONONICA 7-inch pot plants, 5 to 6 leaves, 18 to 20 inches high, 75c. each; 8 inch pot plants, 6 to 7 leaves, 20 to 22 inches high, \$1.25 each.

Grand Rapids, Mich.

Trade Notes.

The weather until February 1st was very mild and it looked as though we were to have an open Winter, but February 1st severity, has more than made up for all previous mildness, being punctuated with heavy snow-storms, leaving the railroad service, stalling train, etc.

Henry Smith and Chas. Chadwick had considerable damage done by the weight of snow loading in the rafters of several of their houses.

St. Valentine's Day was the only real old-time busy day since Christmas, otherwise business has been fair. Aside from an occasional shortage of roses, the supply has been in excess of the demand. Red roses are so scarce that they are not to be mentioned.

Bulbous stock is a glut. Being scarce last season and realizing a good price, some florists dipped in heavily, one planting 300,000 of all kinds, while others materially increased their plantings, and now the waste is great. It will be a streak of luck if the first cost of the stock is realized. Less of it will be grown next year.

Funeral work has been the mainstay of the trade, and it has been plentiful. The aggregate of business, all things considered, is very satisfactory and we believe, will compare favorably with that of any other industry.

Lilies, as usual, are somewhat diseased and poor varieties are mixed in; roughly estimated, the loss by all lily growers in this vicinity will run from 10 to 50 per cent. of the total. In giantum the loss is trifling.

In spite of the heavy supply, retail prices have been pretty generally maintained and very little dangerous cutting done. Roses realize \$1 to \$1.50 per dozen; carnations, 50c. to 75c.; double violets, 25c. per bunch of 25. Single, 35c. per bunch; HARRISII and callas, \$2.50 per dozen; all bulbous stock, 50c. per dozen. G. F. C.

Kalamazoo, Mich.

News and Trade Notes.

Very little difference is noted in the amount of business transacted, and now with the approach of Lent much improvement cannot be expected. Special efforts seem to be necessary to clear off the surplus, as carnations are advertised at 25c. per dozen quite frequently in the local papers.

According to official observations taken here there has been recorded a snowfall totaling six and a half feet, most of which fell between Christmas and the last week in February. It will easily be seen, therefore, that the amount of sunshine has been exceedingly limited, and the accumulations of snow on the roofs and gutters would still further darken the houses and render the growing of good stock difficult. But in practice this theory did not work out and, strange to say, I cannot call to mind when the growers in this section were cutting better carnations with fewer splits than at present. Roses also have been of good quality, while the cut of violets has been the heaviest in years and the size and color remarkable. Judging from the experience of the present Winter the importance of sunshine and light seem to be normal when due care is exercised in other details.

H. Fisher spent a few days in Chicago stocking up for his stores here and in Battle Creek and reports business as satisfactory in both places.

A Groffert intends adding another house next Summer, which he will use chiefly for propagating, etc. He finds Vesper as a white carnation the best in sight, and as he grows it it certainly looks a marvel in quality and production. S. B.

VIOLETS VIOLETS

Marie Louise, ... W. W. J. CHINNICK, TRENTON, N. J.

VIOLETS

Princess of Wales, ... P. M. DE WITT BRIDGEWATER PA.

A COMPARISON OF COSTS

Is the cost of a one inch advertisement in every issue of The Florists' Exchange for one year, 52 issues. Total circulation, 369,200.

Is the cost of a three inch advertisement in every issue of The Florists' Exchange for one year, 52 issues. Total circulation, 369,200.

Is the cost of a six inch advertisement in every issue of The Florists' Exchange for one year, 52 issues. Total circulation, 369,200.

Is the cost of the one cent stamp required to mail 369,200 circulars, exclusive of the great additional cost of paper, printing, addressing, etc.

The advertisements in The Florists' Exchange are ALWAYS read. The circular generally goes into the waste basket, without being read.

Alpine and Rock Plants

Gentians, Acanthis, and Verna, Edelweiss and ten other plants, \$2.00, including post age. Six hundred varieties. Send for catalogue. Cash with order.

ENGLISH HOME OF ALPINE PLANTS South Pool, Kingsbridge, Devon, England

to tell. But their plight is the florists' opportunity; it has made this easily grown annual one of the good selling items in bedding stock. Seeds should now be sown and the soil kept continually moist, with good drainage provided for in the boxes as a matter of course. This probably is the point where the lay gardener is at fault. The seedlings, when above ground, grow rapidly; a cool stand, light and air help them to become sturdy stock that will soon begin to bloom after being put into 2-inch pots, out of which they are sold at fifty cents per dozen, which leaves a wider margin of profit than fifteen or twenty cents for those dug out of trays, considering that the transplanting into pots does not take any longer than into boxes, though the potted stock may take up more room. F. W. TIMME.

NEW VIOLET BOSTON

Entirely distinct, a strong grower, a free bloomer, and the finest single violet in cultivation. Ready for distribution in April and May.

\$12.00 per 100; \$100.00 per 1000. WILLIAM SIM, CLIFTONDALE, MASS.

ASPARAGUS SPRENGERI, 4 in., \$6.00 per 100. SMILAX SEEDLINGS, from plants 70c. per 100, \$1.50 per 1000. GERANIUMS: NOLI, Grant, from 2 1/2 in. \$2.25 per 100. SALVIA BONIFURE, strong seedlings, \$1.00 per 100; \$8.00 per 1000. CARNATIONS, unattached cuttings, Hartwarden, Just, Geneva-ve Lord, \$3.00 per 100. Cash with order.

C. A. PETERSON MAIN STREET, MADISON, N. J.

VINCA, major variegata

Strong stock in prime condition. Bedding cuttings \$1.00 per 100, \$9.00 per 1000. 2 1/2 in. \$2.50 per 100, \$22.00 per 1000. 4 in. \$5.00 per 100, 4 in. \$3.00 per 100.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO

FOUNDED IN 1888



Weekly Medium of Interchange for Florists, Nurserymen,
Seedsman and the Trade in General

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter.

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One-half inch, 75c.; ¾-inch, \$1.00; 1-inch, \$1.25; special positions extra. Send for Rate Card showing discount of 10c., 15c., 25c., or 35c., per inch on continuous advertising. For rates on Wants, etc., see column for Classified Advertisements.

THE NATIONAL FLOWER SHOW, under the auspices of the S. A. F. O. H., will be held at Chicago, November 6 to 15, 1908. William F. Kasting, Buffalo, N. Y., is chairman of the show committee.

W. W. Wells of Merstham, England, offers for the National Flower Show in November next, a gold, a silver and a bronze medal for six blooms of chrysanthemum W. M. Moir, to be shown in stems 30 inches long.

Notice of this offer having arrived too late to be included in the first edition of the premium list, it is now hereby given.

W. N. RUDD,
Chairman.

Society of American Florists and Ornamental Horticulturists.

Meeting of Board of Directors.

A meeting of the executive board of the S. A. F. O. H., is called by order of President Traendly, to be held at the Prospect House, Niagara Falls, New York, at 9 o'clock a. m. on March 23 next. The same is to continue on March 24 in case the business affairs of the association are not concluded previously.

W. N. RUDD, Secretary.

PAMPHLETS RECEIVED.

RHODOENDRONS, KALMIAS AND AZALEAS is the title of a neatly printed and informative booklet prepared by P. A. Koene, vice-president of the Morris Nursery Company, 1 Madison Avenue, New York, in which the compiler gives some interesting historical facts concerning these plants, with instructive information relative to their culture and uses for planting purposes. The best varieties are enumerated and described. A price list is added. The booklet is illustrated with handsome half-tone pictures.

The National Rose Society of England has a total membership of 2,484.

The S. A. F. and Plant Nomenclature.

The recent opinion of Professor C. S. Sargent regarding the botanical designation of the sterile form of *Hydrangea arborescens*, which was originally named by one of the introducers *H. arborescens alba grandiflora*, the word "alba" having now been dropped to conform to the recognized rules of botanical nomenclature, has induced us to look into the attitude of the S. A. F., relative to plant nomenclature in general and botanical nomenclature in particular.

In the 1891 proceedings of the society, to which we alluded in our February 22 issue and to which we now refer those interested, is given the exhaustive and informative report of the then nomenclature committee, presented by William Falconer, and adopted by the organization. In that valuable document it is stated (page 86), under the heading "Getting at the Proper Botanical Name":

"We do not presume to interfere in any way with the botanical nomenclature of plants; that is the mission of the scientific systematic botanist."

Again, on page 91:

"In the case of new species of plants, the first published botanical name takes precedence, but this publication must be *technical* (the italics are ours) and made in a recognized botanical or horticultural periodical or work, and not in a trade catalogue."

Further, page 92:

"Where species are concerned, it seldom happens that a new species is first brought to the light of the world in a florist's catalogue; it almost always has had published botanical recognition before then, and the careful florist or dealer in new plants, if he exercises due diligence can generally acquaint himself with the published description of the species in question and satisfy himself of its identity; and right here comes in the utility of an early horticultural-botanical training for the florist, a good set of standard modern garden and systematic botanical works and periodicals for reference, and a herbarium of garden plants."

We regard the present form of *Hydrangea arborescens* var. *cordata* as coming under each and all of the foregoing extracts from the committee's report, from the fact that it has required the aid of the "scientific systematic botanist" to determine correctly the identity of the plant in question. That being so, we submit that the S. A. F. has no right to register the name of a botanical species, until that name has been bestowed and the plant technically described by the scientific botanist. The society has gone on record as stating that it "does not presume to interfere in any way with the botanical nomenclature of plants."

Again we submit that the published botanical name, given by the introducer of the plant under discussion was not "technical"; this is demonstrated by the appellation now applied by Professor Sargent; it is also evidenced by the previous name given the plant by Mr. Rehder.

Furthermore, Professor Sargent, to whom the matter was referred for decision, has not himself stated that the plant he describes for Mr. Hill is a "new form"; and Mr. Rehder, in an interesting communication, appearing elsewhere in this issue, gives as the reason for his appending the term "forma nova," to his appellation, that "though the form has been known several years, I may say that, according to botanical usages, it only means that the form had been properly described and proposed as a *new form* (the italics are ours) for the first time at the place quoted above." It will thus be seen that "forma nova," is not so much of a "clincher" after all; as our good friends (in this instance), the other botanists, have yet to be heard from on Mr. Rehder's proposition.

At all events the appellation first arrived at (*Hydrangea arborescens alba grandiflora*), not being correctly technical, does not afford the introducer registering the name he gave the plant the "right to pre-empt" the designation given, for according to Professor Sargent himself the correct botanical name is *Hydrangea arborescens* var. *cordata* var. *sterilis*.

As Mr. Hill states in a letter to a contemporary it is more than likely a common name, such as the "snowball hydrangea," will be applied to the plant, which, in the circumstances, would be better for all concerned.

Meantime the right of the S. A. F. to interfere with botanical nomenclature is questioned. The defects that have disclosed themselves in the present "presumed" interference, go a long way to convince us of the good judgment of the society's 1891 nomenclature committee in the premises; and the "forma nova" pipe requires a few more soothing ingredients before it can be peacefully smoked by the vexed individuals and the gentleman who, probably with the best of intentions, but apparently unaware of the attitude of the S. A. F. toward botanical nomenclature, and of the recognized rules necessary to establish such nomenclature, has been the cause of their vexation.

Mr. Rehder's letter shows how simple it was for the "ordinary" horticulturist, not in the "angelic" class to conclude that the *hydrangea* under discussion was identical with *H. arborescens sterilis*. He says: "In fact, no one who knew the original description, but had not seen the herbarium specimen of *sterilis*, could have come to any other conclusion." It would be interesting to know if either Mr. Hill or the ex-registrar of the S. A. F. O. H. had ever seen "the herbarium specimen," previous to bestowing and registering the faulty appellation "*Hydrangea arborescens alba grandiflora*." The attempt to name and describe the plant registered would tend to prove that they had not; that the whole effort was purely haphazard in the case of the party registering, severely indifferent and negligent on the part of the S. A. F.'s official; and on that account not to be commended.

If the botanist of the society has any mission to perform, it is surely to render assistance along this particular line, and to him the matter should in the very beginning have been referred for his opinion.

Our own attitude in this affair may be looked upon by some as being hypercritical; but we cannot too strongly emphasize the correct identification of feral plants of this character, or for that matter of all other plants, as well, before registration and dissemination. In the present instance, the same plant is offered and sold as "*Hydrangea* American Everblooming (*H. arborescens sterilis*)," and as "*Hydrangea arborescens grandiflora alba*." Such a condition can only breed confusion and tend to financial loss, as there is a possibility of the plant being bought under each name, the buyer believing he is securing separate and distinct things. This danger could be avoided by introducers not practicing haphazard botanical nomenclature, but securing correct technical identification before naming and distribution; and, we argue, it is the province of the S. A. F. O. H. to help ensure this and protect its members and the trade. Florists and gardeners may well be left to handle the names they give to such subjects as roses and carnations; but when they attempt to deal with botanical nomenclature, it is a different thing, and they may be rushing into something where the more conservative and less impetuous wisely "fear to tread." We believe all fair-minded and unprejudiced persons will realize the force of our contention, which is advanced for the good of all concerned; nothing more and nothing less.

For Easter Trade.

The sale of flowers and plants at Easter has become a national feature, and few there be so poor whose homes are not graced by these harbingers of Spring and glad tidings. In the effort to assist the dealer in interesting his public, the A. T. De La Mare Ptg. and Pub. Company, publishers of *The Florists' Exchange*, have issued six dainty folders covering designs in made-up baskets, plants and flowers, samples of which they offer to mail free to applicants. Their advertisement of these novelties appears in this issue.

HORTICULTURAL ENGLAND VS. HORTICULTURAL AMERICA.—American carnationists have been having high old times of late, says a writer in *Horticultural Advertiser*, Eng., and considering that America, as a nation, is many years behind this country in things horticultural, it is amazing how enthusiastically American florists rally to the annual conventions promoted by the Society of American Florists, American Rose Society, and American Carnation Society.

As far as I am aware, there is nothing run in this country on similar lines.

The various horticultural societies hold their annual meetings, shows, and dinners, but the American trade societies seem to run the whole lot combined, spreading the proceedings over several days. Frantic enthusiasm seems to pervade the meetings, the various speeches and papers given are listened to with every attention, while the shows attract everybody who likes to see florist's art in its highest form.

The various trade journals, like our own, devote themselves to the cause, only at much greater length. Every florist and grower for market can read practically word for word what has been said at the convention, while photographic illustrations enable those not present to become acquainted with every important item exhibited, together with the various gentlemen who control the destinies of the different societies.

From an outsider's point of view, it would appear that there is a deal of difference between horticultural England and horticultural America. At home, the amateur rules the roost; in America the tradesman holds things in the palm of his hand.

A daily paper of Bay City, Mich., publishes the names of three Michigan seed firms charged by the Department of Agriculture with having sold misbranded or adulterated seeds during the calendar year 1907. The harmful effects of this publication can be more fully imagined than described.

OUR READERS' VIEWS

Hydrangea Arborescens "Grandiflora."

Editor Florists' Exchange:

I comply with pleasure with your request and send you herewith a verbal translation of my description of *Hydrangea arborescens grandiflora* published in the Mitteilungen der Deutschen Dendrologischen Gesellschaft for 1907, p. 71:

"*Hydrangea arborescens* Linné f. *grandiflora*, forma nova. H. arborescens alba grandiflora E. G. Hill, Horticulture (Boston) IV, 53. Fig. (1907). All flowers sterile, white to light greenish white, 2-2.5 cm. (4-5 to 1 in.) in diameter, forming a large corymb, 12-15 cm. (5-8 in.) broad sepals ovate, acute, leaves ovate to ovate-elliptic, cordate at the base or the lower ones rounded.

"This form is distinguished from the *H. arborescens sterilis* Torrey and Gray (Pl. N. Am. 1851, 1840), which likewise has corymbs consisting only of enlarged sterile flowers, by the larger flowers with ovate acute sepals and by the cordate leaves; it apparently is a form of the variety *cordifolia* Torrey and Gray. *Hydrangea arborescens sterilis*, on the contrary, has smaller flowers, only about 1 cm. (3-4 in.) in diameter or somewhat broader, with oval sepals rounded at both ends and furnished at the apex with a short point, and has the leaves abruptly narrowed or rounded at the base; it is therefore apparently a form of the variety *oblonga* of Torrey and Gray. The form *sterilis* had been collected more than 60 years ago by John Carey near Wysox, Pa., and I have seen the original specimen at the Gray herbarium. In the same herbarium there is also a specimen of *H. arborescens grandiflora* from Nashville, Tenn., but the plant now in cultivation is said to come from Ohio. Whether the plant cultivated formerly under the name 'Hills of Snow' belongs to the form *sterilis* or *grandiflora* I am not able to say."

Regarding the question why "forma nova" had been appended to the new name, though the form has been known several years, I may say that according to botanical usage it only means that the form had been properly described and proposed as a new form for the first time at the place quoted above.

I also may add here that my description was drawn up from plants which flowered at the Arnold Arboretum last Summer, while the form *sterilis* is known to me only from an herbarium specimen. The two forms are very similar anyway, and as the size of the flowers may depend very much on the cultivation and the season and may not be a reliable distinctive character, the only good difference between the two is in the shape of the sepals and of the leaves. These characters are not mentioned in the original description of *sterilis*, and it is therefore not strange that the form now in cultivation had been considered by several horticulturists, and also at first by myself, as identical with *H. arborescens sterilis*; in fact, no one who knew the original description, but had not seen the herbarium specimen of *sterilis*, could have come to any other conclusion.

Arnold Arboretum.

ALFRED REHDER.

[In an accompanying note Mr. Rehder adds: "It would be interesting to know whether the plants offered now by several firms have one common origin, and whether *H. arborescens sterilis* from Wysox, Pa., has ever been in cultivation." It would go a long way toward answering the first inquiry if the several introducers of the *hydrangea* now designated "*arborescens grandiflora*" would furnish for publication, the source whence they originally secured their respective supplies. Ed. F. E.]

Editor Florists' Exchange:

Will you kindly allow me a few words in regard to the *Hydrangea arborescens grandiflora*? Not with a desire to participate in the discussion as to the name, because, in the first place, the writer is not sufficiently well versed in such matters, and also because to any reasonable man there appears to be nothing left to discuss.

E. Y. Teas on page 277 of *The Florists' Exchange* mentions my name in a desperate effort to discredit the E. G. Hill Company, and it seems no more than just to explain clearly Mr. Teas' connection with this affair.

It is true that the writer stated to Mr. Teas that the *hydrangea* appeared to belong to the same family as the wild *arborescens* growing in the ravines of our City Park. It is also true, I am sorry to say, that the writer was with Mr. Teas on the E. G. Hill Company's place when he first saw the *hydrangea* in bloom; Mr. Teas stated at that time that he had never seen it before and marveled at its beauty and vigor.

Shortly after this time the writer learned that Mr. Teas had come into possession of several large plants, E. G. Hill, realizing the value of this shrub, greatly desired to withhold general dissemination until sufficient stock could be worked up to insure its becoming a money-making proposition—a perfectly justifiable desire. With this end in view the writer visited E. Y. Teas at his nursery, and entered into an agreement with him to withhold dissemination for one year. In return for Mr. Teas' promise to hold the stock, the writer on behalf of the E. G. Hill Company agreed to prostrate his (Teas') stock for him since he had not the equipment to do it

himself. This was done by the E. G. Hill Company and the cuttings, strongly rooted and without charge, returned to Mr. Teas. These very cuttings, together with some large plants, were sold to the firms mentioned by Mr. Teas in his latest communication and from these the said firms were trying to work up stock. The firms mentioned had an undeniable right to buy what was offered and to work up all the stock possible, but it is difficult, under the circumstances, to justify the sale by Mr. Teas, and this should not interfere with Mr. Hill's right to register a name. To the writer's absolute knowledge the stock was sold to at least one of these firms as "E. G. Hill's *hydrangea*," and was so labeled on their place until named by Mr. Hill.

As to the name and registration, the highest authorities in three countries have passed judgment, and even E. Y. Teas, with all his professed knowledge on the subject (all of which has been obtained since he first saw the plant in the E. G. Hill Company's grounds) cannot go behind such judgment.

Richmond, Ind.

FRED. H. LEMON.

A Better Dahlia Classification Needed.

Editor Florists' Exchange:

I read with interest and profit in your esteemed paper articles on the peony and other flowers. The dahlia is the flower to which I am devoting my special attention; and although I am a small grower, yet "the interest of one is the concern of all." So when I received this Spring's catalogues I was impressed with the need of a better method of describing the various types of dahlias, especially in regard to the erroneously called cactus section. That this need is apparent is shown by the efforts in some of the leading catalogues to better enable customers to make selections of types. One leading catalogue divides the cactus types into Style A and Style B, illustrating these types with proper cuts. Another catalogue gives a certain type as cactus hybrids. Certain varieties are listed as cactus in one catalogue and the same varieties in another as decorative. Take the white dahlia, *Flora*; a leading catalogue places it in the decorative section, another in the cactus as a flat-petaled variety, still others as simply a cactus.

Other instances might be cited to show the necessity of better and more uniform methods of description to insure the permanence and future popularity of this noble flower. That there is need of something being done along these lines in the near future must be admitted.

I will not at this time suggest a remedy, but will leave that for the big fellows. I would only suggest that the long lists of innumerable varieties now being brought forward to meet the demand for something new be shortened. When a variety like *Kreimhilde* becomes popular, a large number of new named seedlings are introduced, imitating the popular one, most of which are inferior. It seems that with American ideas, better methods of description could be given to give more correct conceptions of the leading types, although there will always be more or less overlapping from one type to another, and not depend so much on the descriptions given by the name of the European growers.

Branford, Conn.

NATHAN A. MILLER.

[We understand that the New England Dahlia Society has a committee at work on the matter to which our correspondent refers. The gentlemen composing that committee are proceeding carefully and deliberately, and no doubt they will evolve a classification that will be acceptable to all concerned.—Ed. F. E.]

Botanical Names Should be Given.

Editor Florists' Exchange:

In your report of the remarks of John Dunbar before the Massachusetts Horticultural Society mention is made of some of the best and hardiest conifers for the North and Northeastern States. In the list of pines only common names are given, and I suggest that the botanical names would add to the usefulness of the list. I have some acquaintance with pines, yet confess to an ignorance of what the following ones are; Macedonian, Japanese white, lace bark, the yellow, and Japanese red; and no doubt others besides myself would prefer the botanical names of these and all of the list given.

Another thing I notice, is the placing in the possessive case of many of the names. For instance, Lambert's, Jeffrey's red, and Thunberg's. Why are these pines theirs? *Pinus Jeffreyi*, from the termination of the name, no doubt was found by Jeffrey, and so would rightly be Jeffrey's pine, but the termination of *Lambertiana* and *Thunbergii* does not indicate any particular connection of these gentlemen with the pines named after them, and I am puzzled to know how the pines are theirs. Will some one please explain? PUZZLED ONE.

[In justice to Mr. Dunbar it should be stated that in his original paper he gives the botanical name of each of the subjects he mentions. Our report was the popular one supplied by the society to the newspapers, for which the essayist is in no way responsible. However, the point our correspondent makes is a good one, and we respectfully submit it for the consideration of the publicity department of the Massachusetts Horticultural Society. Ed. F. E.]

The Brazilian Melon Fruit.

Editor Florists' Exchange:

In reply to the query of P. B. of New York, concerning his Brazilian Melon Fruit, I have to say that I presume he is growing *Solanum nigrum*, which is known here as *S. guatemalense*, also by the name *pepino*. This subject was introduced to this part of the country several years ago by an enthusiastic horticulturist, and planted at an elevation of 1100 feet, twenty miles from the ocean, in a sheltered southern exposure. It grew feebly and produced a few fruits of such poor quality that it did not justify the grower in taking any pains to continue its cultivation. A plant was obtained by the writer three years ago and planted at a much lower elevation against a tight board fence, in full sunlight. It bloomed freely but set no fruit, and it was practically impossible to keep the red spider off the plant, so it was dug up and consigned to the brush heap.

Belonging, as it does to the tomato family, the fruit may not set for P. B. for the same reason that tomato blossoms fail to set at times. I am led to these remarks by the wonderful description of this fruit which appears in *The Florists' Exchange* for January 25, 1908.

The amazing statements made in some catalogues in regard to novelties, or old and discarded plants under new names, seem to have a fascination to the plant enthusiast, whether old or young, that is irresistible. It would be interesting to know how many hard earned dollars are parted with annually by conching growers for just such worthless subjects as "Brazilian Melon Fruit," in the north temperate zone.

Cal.

P. D. BARNHART.

Obituary

Alexander Forsyth.

After a short illness, Alexander Forsyth, a pioneer horticulturist of Denver, Col., died at his home, 1892 Humboldt street, February 19. Mr. Forsyth had lived in Denver since the early seventies, and was at one time superintendent of Riverside Cemetery. Once he was president of the Caledonian Club. He was a Mason of good standing. Mrs. Forsyth and one daughter, Miss Jennie Forsyth, survive. Mr. Forsyth was 58 years old and had served fifteen years for the Riverside Cemetery Association.

Frank Cummings.

Frank Cummings, Sr., of the firm of Frank Cummings Bulb & Plant Company, died at his home in Meridian, Miss., on the morning of February 23, aged 83 years. Death was caused by la grippe developing into pneumonia; he passed away after an illness of only ten days.

Mr. Cummings was born near Montreal, Canada, of French parents. He emigrated to St. Albans, Vt., when about 16 years of age; from there he went to Albany, N. Y., where he resided for 11 years. About seven years ago he went to Meridian, Miss., to engage with his son, Wm. W. Cummings, in the growing of cannas and other stock, the business being conducted under the firm name of Frank Cummings, Sr. In 1905 the firm name was changed to Frank Cummings Bulb & Plant Company, taking into the firm his two grandsons, F. B. Cummings and W. G. Cummings. There will be no change in the title or in the policy of the firm.

F. C. Miller.

As briefly announced in last week's issue F. C. Miller, Bracondale, Ont., died on Monday, February 23, 1908. He was 63 years of age, and had been a resident of Bracondale for forty years.

Frederick Christopher Miller was born at Portsmouth, England, and after being educated at St. Mark's School, London, and St. David's College, in Wales, emigrated to Canada, and for some time taught school in Seaton village, which he gave up to found the business by which he became so well known. He was a member of the York Township Council, and in politics was a conservative. He was also a member of the York, Doric and Stanley Masonic Lodges, a Companion of the St. Patrick Chapter of Royal Arch Masons, a member of the Sons of England and of the Albany Club, and an honorary member of the I. O. F.

He leaves a widow, Mrs. Ellen Mary Miller, whom he married in 1865 before leaving Portsmouth; three sons, Fred H., Edward T. and Bernard W., all of Bracondale, and four daughters.

Mr. Miller was a genial, companionable man, and greatly esteemed by all who knew him. He was a fluent speaker, and was often called upon on festive occasions, particularly at the banquets of the American Carnation Society (of which he was a member) when he happened to be present there. He was also a member of the S. A. F. O. H., and took a keen interest in every movement that made for the advancement of his profession.

The trade in the United States will, we feel sure, extend sympathy to their Canadian brethren and to the bereaved family in their great loss.

AMONG THE GROWERS

Maywood, Ill.

At the establishment of A. F. Auling, smilax and *Asparagus plumosus* present the greatest attraction. A range of specially constructed houses promises a good crop of both commodities for some time to come. The available cut, on a rough estimate, would be 20,000 strings of smilax, and 15,000 strings of asparagus, the strings running from 18 to 20 feet in length. *Asparagus Sprengeri* is grown very largely; the stock is all in trays carried above the heating pipes—a method both convenient and profitable. A view of the range taken from a point just below the eaves shows conclusively why Mr. Auling is proclaimed the largest grower of asparagus and smilax in the West. There are also to be seen two houses of *Asparagus plumosus* grown for the fronds. Other houses are planted with sweet peas, lilies and adiantum. One range is out of use, due to worm trouble which has been of a malignant character, and has been very hard to overcome. Mr. Auling is at present in California, in company with his brother, E. C. Auling, the well-known Chicago wholesaler.

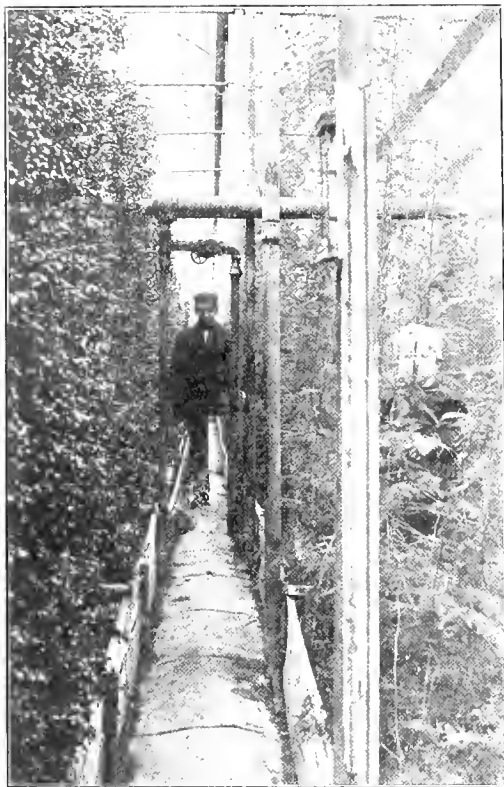
Wm. H. Auling operates a well appointed range of three houses, each 50 by 200 feet, near the establishment of his brother, A. F. Auling. His specialty is carnations, and his benches at the present time show the results of careful and intelligent culture. *Enchantress* in particular is done in grand shape, and *Winsor*, *White Enchantress* and *Boston Market* look remarkably well. Sweet peas and callas are also well grown.

F. R. Hills has several houses of roses which look very promising for an immediate and heavy crop. *Bride*, *Bridesmaid* and *Richmond* are the principal varieties grown. Mr. Hills, however, thinks highly of *Killarney*, and will probably bench that variety this season. Lilies are grown in quantity at the Hills establishment, as also is bedding stock, and a miscellaneous collection for the local retail store.

Des Plaines, Ill.

The eleven greenhouses of the Des Plaines Floral Company present a fine appearance just now, with excellent crops of carnations, sweet peas and callas. The larger portion of the range is given over to carnations, the varieties grown including *Enchantress*, *Lady Bountiful*, *Mrs. T. W. Lawson*, *Boston Market* and *White Enchantress*. *Boston Market* is to be discarded after this season, and supplanted by *White Enchantress*. *Aristocrat* will also be benched next season in the place of *Mrs. T. W. Lawson*. A house of sweet peas looks particularly fine. A section planted with *Boddington's White* is in excellent yield, many of the flower stems reaching 14 inches in length. In colored varieties *Burpee's Extra Early*, a pink and white, planted from seed November 1, is giving good satisfaction, and *Burpee's Earliest of All*, planted from pots November 1, is furnishing a grand cut. *Mrs. Alex. Wallace*, one of *Zedel's* lavender varieties, is seen in good form here, throwing nice long-stemmed flowers.

H. C. Blewitt has his three houses in good shape, with a benching of sweet peas just coming into crop. He has a nice house of single violets, but the plants show the effect of unavoidably late planting. His soil, however, seems to suit violets, and he will probably



House of Smilax and Asparagus.
Grower, A. F. Auling, Maywood, Ill.

grow more of them next season. Other stock coming along in the range comprises 6,000 *Gladiolus Angusta*, and chrysanthemums. Considerable improvements have been made in the houses recently, including the installation of Foley ventilating apparatus, and a Morehead steam trap, both being very much liked.

Charles Arnold is now running the old range of Peters & Arnold on his own account, and is thinking of rebuilding some of the houses. Sweet peas and carnations are the principal things grown at present.

Charles Wiffin has sweet peas and carnations in crop at his range. He has some fine double stocks, with excellent stems; these are grown between the rows of sweet peas, the stock being grown along outside until frost. The carnations grown are *Enchantress*, *Aristocrat*, *Boston Market*, *White Lawson*, *Rose Pink Enchantress*, and *Red Sport*, but the latter variety will be discarded this year.

Sol. Garland has six 200-foot houses in carnations, and is quite busy just now getting up a stock of cuttings. The benches show a good carnation crop from the varieties *Aristocrat*, *White Perfection*, *Rose Pink Enchantress*, *Lady Bountiful*, *Boston Market*, *Mrs.*

T. W. Lawson, *Enchantress*, *Robert Craig*, *Cardinal*, *Pink Patten*, and *Mrs. M. A. Patten*. The variety *Robert Craig* is seen in pretty good form and does well here. *Aristocrat* is the favorite in pinks, and two whole houses will be benched with it next season. Two houses are devoted to lullious stock—tulips, *Paper White narcissus* and daffodils—and a heavy cut has been taken from them this season.

The eighteen houses of Frank Garland are in good shape, four rose houses looking particularly promising for a fine Easter crop. Three houses of *Kaiserin Augusta Victoria* roses are now being handled in expectation of a nice crop for Easter. These roses are all on their own roots, planted two years ago from one-year-old stock. Several houses are in carnations, the varieties benched being *Enchantress*, *Lady Bountiful*, *Mrs. Patten*, *Mrs. T. W. Lawson*, *White Lawson*, *Aristocrat* and *Cardinal*. There is a house of *Adiantum cuneatum*, and another of *Adiantum decorum*. Considerable rebuilding was done here last season and at present Mr. Garland is busy benching one of the adiantum houses with his new cement bench.

Warren Garland has six of his seven houses in carnations, all being in excellent crop. He grows *Mrs. T. W. Lawson*, *Enchantress*, *Rose Pink Enchantress*, *Pink Patten*, *Aristocrat*, *Lady Bountiful*, and *Boston Market*. The remaining house is planted with sweet peas.

A. E. Longren is busy filling orders for rooted carnation cuttings and reports a pretty fat order book so far this season.
J. H. P.

LILIA PHILIPPINENSIS.—A note by M. Ernest H. Krolage in "The Gardenwelt" for February 15 last, supplementary to one by Herrn Sprenger in the same journal, No. 17, this year, draws attention to *Lilium Philippense* as a substitute for *L. Harrisii*, which is become more and more liable to fall a prey to disease. This lily was botanically described by J. G. Baker in the *Gardener's Chronicle*, p. 1141, in 1873, and the figure accompanying the article was again published on the occasion of the lily conference in London, 1901, on July 20, p. 47. The figure was again repeated, a colored plate was likewise given in *Elwes' Monograph of the genus Lilium*, and in the *Bot. Mag. Tab.*, 6250. The lily was discovered by the traveler, G. Wullis, in 1871, in the Philippine Islands, and sent to the firm of James Veitch & Sons, London. The bulbs flowered for the first time in Europe, in 1873, and on August 6 of that year a first-class certificate was awarded it by the Royal Horticultural Society. For a long time the novelty disappeared from cultivation without having become a trade plant of any importance. Since the occupation of the Philippines by the United States, the plant has come to the front, and chiefly as a consequence of the endeavor to find a substitute for *L. Harrisii*. This search has, for the present, had a favorable result. Imported bulbs, which arrived in Europe, flowered in from two to three months. The plant, apart from the fine bloom, is very ornamental; the small leaf has in a certain degree the same effect as *Crocus Weddelliana*. Crossings with *L. longiflorum* have already been made, and cultural experiments are being carried out at the State Research Station of California, so that in any case in a short period of time *L. Philippense* should prove to be a plant of considerable importance commercially, or as the parent plant for hybridizing purposes.



Sweet Peas at Establishment of Des Plaines Floral Co., Des Plaines, Ill.

House of Carnation Enchantress.

Grower, Wm. H. Auling, Maywood, Ill.

Some New Things in an Old Country.

This was the title of a most interesting lecture delivered by J. Otto Thilow of Henry A. Dreer, Inc., before the Philadelphia Florists' Club on Tuesday, March 3, 1908. In the course of his remarks Mr. Thilow took his hearers, in imagination, with him on a tour of England, Belgium, Germany, and Holland, describing in a very manner the various attractive features of the journey. The trip was made in company with J. D. Eisele of the Dreer establishment. "Our reception," said Mr. Thilow, "was with a pomp and courtesy in which I am deservedly participated, and which permitted me to penetrate some of the so-called mecas of horticulture."

Continuing, Mr. Thilow said in part:

"To the horticulturist there is much of interest, especially so when it appears that the conditions seem to be so favorable for the development of plants, some of which we try to bring under subjection to our varying conditions, to which they unwillingly yield. The methods of cultivation followed in the production of plants are the same methods which have been applied for many years, or even decades, with but few variations. We have either not yet learned how to do it, or the system coupled with the conditions will remain where it is. This much, however, can be said of our European brother horticulturist, his training is much more thorough, his early association with plant life, which in some degree is fostered in his home, stirs a more intense love for the art, and an untrifling interest for the vocation. Men and women in the homes of city and country regard the most humble domestic incompletes for themselves and families without plants, flowers or shrubbery under their own personal care. This unborn love for the adornment of the home has been handed down to posterity, so that it has become a part of the nature of children to busy themselves with the care of plants. A much greater impetus to the advancement of horticulture is given by the personal interest of the nobility and the people of means in that they are surrounded with the best taste in the horticultural art, and perpetuate the estates of their ancestors with even more elaborate outlay and show, and do much by personal contribution to perpetuate the interest among those who are engaged in the pursuit of horticulture as a business."

Speaking of Kew Gardens, London, Mr. Thilow said: "The botanical department is of more than ordinary interest in that it is attractive and under a splendid system and care. Many beds were planted with such stock as we could never venture a trial, and were there is full glory. The roses and dahlias were clothed with a wealth of bloom, and a promise of more. The arrangements for studying trees and shrubs, in fact, all plants, were minutely confined to proper labeling, which even to the novice is an evidence that there is need of system and classification in horticulture."

At Covent Garden market the travelers remarked that "much is done in a very short time and at an early hour. At this time, September 26, cut chrysanthemums are in abundance, with the almost glit of roses cut from field-grown plants, and hardy asters (Michaelmas daisies) in masses of color. The fruit and vegetable markets were equally active, and afforded much interest."

"The cities of Ghent and Bruges are highly interesting in horticulture, the home of the azalea and bay, the fields of tuberous begonias, and glass areas of palms. Prominently in all thoroughfares is seen the ever faithful and unpaid laborer, the dog, hitched beneath the hand carts, tugging and helping the load onward; the wooden shoe in evidence on the children in the city, and the laborers in the fields. Ghent is an active city of 160,000 inhabitants, with many places of historic interest. Bruges, one hour's train ride east, is also very interesting and very quaint. The impression left by this short sojourn, the kind attention and courtesy of our Belgian friends, are not to be forgotten."

The points of interest in Brussels, Cologne, Bingen, Frankfurt and Erfurt were next described, the Saxon country the "land of his father's pride," having an especial attraction for the speaker, this being the occasion of his first visit to it. Berlin and Hamburg next received attention. In the latter city "the shopping districts are well supplied with florists' shops, and what can be said of them as being of modern type and up-to-date in their display is also true of the



J. Otto Thilow.

florists' shops in all cities we had been through in Belgium, Germany and Holland. Most striking to an American visitor is their free use of the dahlia in even the most artistic designs, adhering mostly to solid, one-color effects, with ribbons and dyed bass as accessories. The crimson crocus in pots are among the foremost plants in decoration during the Fall season, also scarlet geraniums with adiantums in designs of stunning effect. The show windows comprised two-thirds of the store stock in many cases, so arranged that the customers could walk about in the window among the display of designs and make their selection without disturbing the arrangement. A stop of nearly forty-eight hours in this city of industry was only enough time to become initiated into a few of the pleasures. The German element so deep seated and surrounded by all classes and nationalities places Hamburg foremost among the great cities of the German Empire."

"While it is a fact that the effective methods of display have been long known in America among the aggressive florists, yet we must concede that there has been a simultaneous improvement along those lines in Europe, creating a taste more for the natural than artificial in powers, aided with the liberal use of ferns and graceful vines. These then are new methods in an old country, and it is because the anxious American eye expected to see ancient art with the improved and better flowers of to-day."

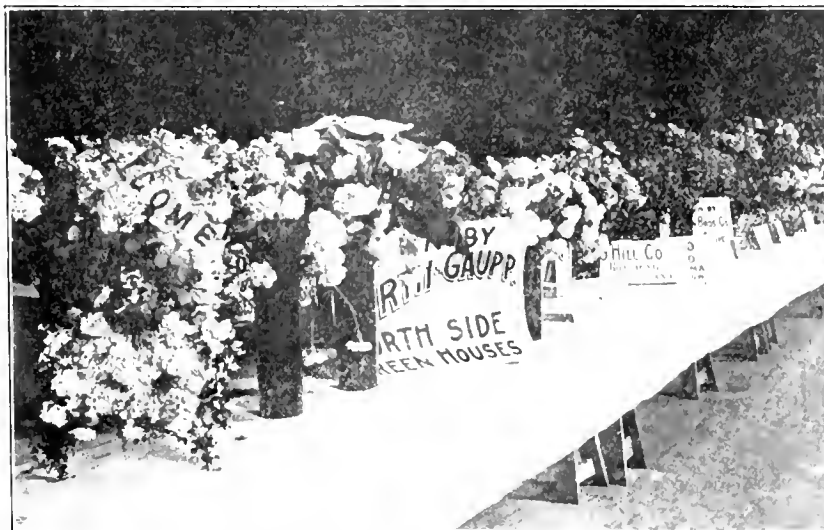
Our London Letter.

BY A. HEMSLEY.

THE ROYAL HORTICULTURAL SOCIETY.—The most interesting event of the week was the annual general meeting of this society. The report shows that the society continues to make progress, about 1,200 names were added to the list of Fellows, etc. There seems every prospect of a continual flow of new

fellows. The meeting was held on February 11, 1908, the first busy one of the season. Numerous interesting exhibits were staged, and during the afternoon the hall was crowded with visitors. Among exhibits Chinese primulas were a great feature, these were well shown by Messrs. Suttie & Son, Reading; Messrs. Veitch & Sons, Chelsea; Messrs. Cornell & Sons, Swanley; Messrs. Carter & Company, Holborn; and W. Palmer, Andover, Hants. Among the various collections a great improvement in size and colors of flowers was noted. Carnations were extensively shown, but except some unnamed seedlings from H. Burnett, Guernsey, there were no novelties. Some of Mr. Burnett's were very promising. W. H. Page of Hampton exhibited well known sorts in splendid condition. My Maryland was the best white among various kinds shown in vases of about fifty blooms in each. Mrs. T. W. Lawson was certainly one of the most vases of blooms ever shown. President Roosevelt was the finest crimson. Messrs. H. Lord & Company, Messrs. Cutbush & Sons, and Messrs. Veitch & Sons also made good exhibits. For old hardy flowering shrubs were well shown by Messrs. R. & G. Cutbush and others.

Another New Society. It is proposed to establish a "R. H. S. Gardens Guild" with a view to bringing all old Chiswickians and present employees together for social intercourse, and to publish a journal once a year with accounts of past and present doings. The secretary of the R. H. S. (Rev. W. Wilkes) has promised that the council would grant some assistance for the publication, and give other assistance to the guild. Already a large number of old friends have promised to join. At a preliminary meeting held on February 11 a sub-committee was formed to draw up rules, etc., to be presented to a general meeting on July 8, 1908. It is hoped that in the meantime we shall hear from more old associates. I know there are some in America who were at Chiswick at the time I was there, and if this note should meet their eyes we shall be glad to hear from them. Among those interested in the movement are all the present students and employees of the R. H. S., and of older members of the staff are C. H. Curtis, A. Hemsley, T. W. Turner, E. T. Cook (a former student), W. P. Thomson and others. The secretary is F. J. Wallis, R. H. S. Gardens, Wisley, Ripley, Surrey, who will be glad to forward full particulars of all preliminary proceedings and register names of those willing to join. It is proposed that the subscription shall be, to start with, 5 shillings per annum (minimum).



Cut Flower Display at Exhibition of Illinois State Florists' Association at Springfield.



Section of Exhibition Hall at Convention of Illinois State Florists' Association.

Our Experiment Stations and What We Have Done.

BY PROFESSOR A. C. BEAL.

Concluded from Page 279.

Tests of Insecticides.

In one different compartments into which the house was divided we are testing the efficiency of some of the leading insecticides now on the market.

In two compartments we are using the insecticides as a spray. In three others for fumigation, one both fumigation and spray and the other check.

At the present writing there appears to be little difference in the efficiency of the different materials tried. In one instance injury was done the plants by using the substance according to the manufacturer's directions accompanying the goods. In some instances injury has been reported from the use of certain insecticides.

It developed that after all we know little about the composition of insecticides, and not having any insecticide law in this State there might be cases where the compound contained little or none of the essential constituent. Pure nicotine is worth not less than three dollars an ounce. It is the nicotine that is the constituent which kills the insects. The price of the preparations was not uniform, neither were the claims of the manufacturers as to the amount of nicotine. However, the price did not vary as to whether the amount of nicotine claimed was small or large. Why this difference? Did a 30 per cent. nicotine preparation contain other valuable material to justify its selling for more than a 40 per cent. nicotine preparation?

There was one way to find out about some of these things and that was to analyze them, which I proceeded to arrange for. This work is in progress and I will call your attention to some completed results.

The insecticides so far as analyzed, with one exception, were ammonia free. The X-L-All vaporizing compound contained camphor in addition to nicotine, while the liquid preparation of the same name, and intended for spraying, contained one-tenth the amount of nicotine with soap or oil.

Among the insecticides available for destroying thrips is hydrocyanic gas, although its dangerous character may practically exclude its use except in the hands of careful men. The only experiments on carnation thrips reported were to the effect it did not kill thrips. We know that it does kill thrips and in order to learn of its effect on the plant a series of tests were carried out on rooted carnation plants from the field. Twenty-eight tests were made on different lots of plants using the gas at the rate of 1 3/4 ounce to 7 ounces per 1,000 cubic feet, and at intervals of from five minutes to one hour with one set exposed for twelve hours, the important consideration being that none of the tests were made at a higher temperature than the night temperature usually carried on carnation houses. The result was that the plants were not injured.

So the experiment has broadened from a mere test of



Richard Vincent, Jr.
From his Latest Portrait.

those insecticides which will or will not kill thrips to a study of the species and their life history, so as to give us an insight into their habits. We know that all the species injuring cut flowers are three common outdoor species, while a fourth is found on the foliage of certain greenhouse plants, and that it is the greenhouse thrips. We know a little something of their behavior toward temperature and light.

We are making progress in the study of insecticides and their efficiency, also their action on the plants. Further than this we have had considerable correspondence with manufacturers of sprayers, etc., and with leading growers over the country about spraying appliances. I would remind you that in solving questions along these latter lines, we solve them with reference to more than one insect pest.

Perhaps some persons may think that we have not reported many results, but I wish to say that the responsibility resting on all connected with this work, whether on the committee or the station staff, and further the amount of capital involved, is too great for any of us to report results which we are not absolutely certain are correct.

Some Notes on the Shamrock.

Recently the writer had occasion to look into the subject of the shamrock, and the following notes gleaned in the course of his research may be of interest at this time. It is quite evident that authorities still differ as to what the true shamrock is, and there is no ground for the belief that it was introduced into Ireland by St. Patrick.

In the ancient literature of Erin the word occurs variously as seamsog, seamrog, seauroge, shamrote, shamrocke, shamroke, shamrogh or shamroote, shamrug, shamroge, seamaroge and chambroch. The word shamrock is Erse, being derived from seamrog, a compound of seamar, meaning trefoil, and og, little—little clover. Seamar is supposed to be the same as sumar, obtained from the Celtic name of the clover—visumarus.

As to the plant itself, it is generally considered that the true shamrock is either the black nonesuch or the Dutch clover, with a decided preference for the first named, on no less an authority than the curator of the Dublin Botanic Gardens, and other competent persons. There are, however, some who hold that *Trifolium repens* or *Trifolium minus* is the true shamrock. Other writers have adopted the fancy of Bicheno, who advocated the right of the wood sorrel to this honor. This last belief may have arisen from the appearance of the word seamsoge, meaning wood sorrel, in old Irish writings referring to the shamrock, but by those competent to judge this is thought to be a misprint, the word seauroge, signifying meadow trefoil, having been meant.

The earliest references to the shamrock in Irish literature deal with it as a food plant.

Campion in his "Historie of Ireland," dated 1571, says in speaking of the food of the common people, "Shamrotes, watercresses, and other herbes they feed upon; oatmele and butter they cram together."

Matthias Lobel, the Flemish botanist, who published his "Stirpium Adversaria Nova," in 1570, appears to be the first botanical writer to mention the plant. He enumerates the purple and the white trefoil, and says of the latter, "It is stated to be good for fattening cattle," adding that the Irish grind the flowers and leaves into a meal, which they knead with butter, and "thrust into their growning bellies, when it sometimes happens they are vexed and nigh maddened with a three days' hunger."

Edmund Spenser, in 1595, also tells of the Irish people feeding on "shamrokes," or watercress, when reduced to starvation during the Munster wars.

In the "Itinerary" of Fynes Moryson, written in 1599, this passage occurs in a description of the Irish: "They willingly eat the herbe shamrock, being of a sharpe taste, which, as they run and are chased to and fro, they snatch like beasts out of the ditches." This statement has given rise to the belief that the watercress was the shamrock, although some have identified Moryson's "shamrock" with the wood sorrel, *Oxalis acetosella*, a trifoliate plant, with acid juice, which grows abundantly in Irish woodlands.

The shamrock food of the Irish was supposed to make them strong and swift of foot. T. Mundy refers to this fact in a work written by him in 1680. The nourishing qualities of the food are also gleaned from the statement of the Earl of Antrim during the siege of Munster by the Earl of Argyll, to the effect that as long as shamrocks were available no apprehension regarding the food supply need exist. About 1772 the shamrock as an article of food in Ireland was supplanted by the potato.

St. Patrick is believed to have lived about 377 A. D.; yet the legend connecting his name with the national badge of Ireland does not make its appearance in the literature of the country until 1681. An English traveler, Thomas Dinely, wrote during the reign of Charles II.:

"The 17th day of March yearly is St. Patrick's, an immoveable feast, when ye Irish of all stations and conditions wear crosses in their hats, some of pins, some of green ribbon, and the vulgar superstitiously wear shamroges, 3-leaved grass, which they likewise eat (they say) to cause a sweet breath. The common people and servants also der-and their Patrick's goat of their masters, which they go expressly to town, although half a dozen miles off, to spend, * * * and very few of the zealous are found sober at night."

The Trinity legend of the shamrock appears first in literature in 1727, in Caleb Threlkold's "Synopsis Stirpium Hibernicarum." Under the heading of *Trifolium pratense album*, occurs the following passage: "This plant is worn by the people in their hats on the 17th day of March yearly, which is called Saint Patrick's Day, it being a current tradition that by this three-leaved grass he emblematically set forth to them the mystery of the Holy Trinity. However, when they wet their seamaroge, they often commit excess in liquor, which is not a right keeping of a day to the Lord, error generally leading to debauchery." A. W.

Richard Vincent, Jr., Going Abroad.

Richard Vincent, Jr., head of the firm of Richard Vincent, Jr. & Sons Company, White Marsh, Md., will leave on April 4 for a trip to Europe. Mr. Vincent will be accompanied by his wife and two granddaughters. The trip is taken for business and pleasure. We have pleasure in presenting herewith a reproduction of Mr. Vincent's latest portrait.



Part of House of Boddington White Sweet Pea.
Growers, Des Plaines Floral Co., Des Plaines, Ill.
(See Page 312.)

DIRECTORY OF RELIABLE RETAIL HOUSES

FOR THE RETAILER

A Unique Window Decoration.

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words: each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Delivers anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIETH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLORESTA, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BBEITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders, they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

EASTER ANNOUNCEMENT CARDS

We have in preparation, and will issue in ample time for the Easter season, six different designs in Easter Announcement Cards, prepared specially for those who sell Easter stock at retail. These Announcements are simple but effective, and very inexpensive. For a set of samples, etc., address

DE LA MARE P. & P. CO., P. O. Box 1697, NEW YORK

The accompanying illustration shows how the window of W. L. Lewis, florist, Worcester, Mass., was decorated during the week of January 13 last. The entire window was arranged to represent an Indian encampment with the rough bark wigwams, canoes and logs. There were three bark wigwams—a large center one and two smaller ones at either side. A background of large ferns and azaleas gave an attractive effect. Tall vases of American Beauty roses and white daffodils were placed around on the floor of the window, and there was a mixture of all the seasonable flowers. These, with the Autumn leaves used, made a very pretty combination. Potted ferns in variety and other plants were mixed with the bright colored flowers and the effect was unusually fine. The opening of the larger wigwam was banked with violets and those of the other two with yellow daffodils and tulips, and a campfire at one corner was very realistic. Overhead, a lattice-work of limbs of birch trees was used, decorated with red and green leaves, from which hung bells of bark, which contained red lights. Bark baskets filled with flowers hung down amid the wigwams and added much to the appearance of the window. Small Indian figures were used and when lighted the window had a red glow which was very beautiful. Bark boxes with violets and sweet peas peeping out were to be seen at the front of the window.



Window Display of W. L. Lewis, Worcester, Mass.

A Kentucky Design.

Our illustration represents the design adopted by the Kentucky Society of Florists. This was executed by Jacob Schulz. We have made it a rule to follow the membership list, in order to tell who is to do the work.

Louisville, Ky.

FRED. L. SCHULZ.



Design of Kentucky Society of Florists.
Artist, Jacob Schulz, Louisville, Ky.

CLUB AND SOCIETY DOINGS

CONNECTICUT HORTICULTURAL SOCIETY.—The regular meeting of this society was held in County Building, Hartford, on Friday, February 28. President Huss in the chair. It was cyclamen night and there was a large attendance, about 35 members being present. President Huss named Messrs. Sieman, Vidbourne, and Gerard as judging committee, and their awards were as follows: Certificates of merit for two specimen plants cyclamen to C. Peterson; collection of six varieties cyclamen to J. F. Huss; Cineraria stellata, to same exhibitor; Cineraria stellata, to A. J. Weber. A diploma for Primula obconica, six specimen plants, to P. Zuger.

W. N. Shumway, Berlin, Conn., exhibited for the first time a carnation of the Enchantress type, of which it is a seedling, color deep pink. Mr. Shumway has grown this carnation for five years, and says it is practically a non-splitter, a good grower, and equally as prolific as its parent. A special judging committee awarded this promising variety a certificate of merit.

F. Roulier read an excellent paper on "Cyclamen Culture," which was of much interest, especially to the amateur members. Mr. Roulier is one of our most successful cyclamen growers, and the skillful way in which he treated his subject was heartily applauded. The paper was followed by a lively discussion on the advisability of saving old bulbs; the general opinion was that while an occasional specimen plant could be produced from an old bulb, the only profitable way would be to grow them annually from seed.

G. W. Smith was appointed delegate to attend the coming convention of the Massachusetts Fruit Growers' Association, March 11-12, at Worcester, Mass.

The membership of this society is steadily increasing; at this meeting twelve new members were added to the roll.

ALEX. CUMMING, JR.,
Secretary.

CANADIAN HORTICULTURAL ASSOCIATION.—It has been decided to hold a meeting of the executive committee of this association at Niagara Falls, Ont., on Wednesday, March 25. Further particulars as to time and place will be given later.

March 7, 1908

Huntington (N. Y.) Horticultural Society Show.

The fourth annual carnation exhibition of the Huntington (N. Y.) Horticultural and Agricultural Society was held on February 25. There were numerous entries and the quality was excellent. The display of flowering plants and Spring flowers attracted much notice. There was a gratifying attendance. The judges were Samuel Riddell, Farmingdale, N. Y., and Henry Weston, Hempstead, N. Y.

- The following awards were made:
- Twenty-five Lawson—First, H. T. & A. H. Funnell, Huntington, N. Y.; second, Charles Weber, Lynbrook, N. Y.
 - Twenty-five Eucharantess—First, Kramer Brothers, Farmingdale, N. Y.; second, White Brothers, Gasport, N. Y.
 - Twenty-five white—First, Chas. Weber, with White Perfection, second, H. T. & A. H. Funnell, same variety.
 - Twenty-five scarlet—First, Henry Weston, Hempstead, with Victory, second, White Brothers, with Beacon.
 - Twenty-five any other color—First, Chas. Weber, with Imperial, second, H. T. & A. H. Funnell, with Winsor.
 - Twenty-five assorted—First, August Heckscher (Adolph Albus, gardener), second, Walter Jennings (Richard Cartwright, gardener).
 - Twelve tea roses—First, A. Heckscher. One hundred double chabots—First, W. Jennings; second, H. T. & A. H. Funnell. One hundred single violets—First, W. Jennings; second, W. J. Matheson (Gas Kirby, gardener).
 - Twenty-five freesias—First, Riddell & Herrick, Farmingdale; second, H. T. & A. H. Funnell. Twenty-five sweet peas—First, H. E. Hyde, Centerville, second, Kramer Brothers. Twelve nigamonts—First, A. Heckscher. Blooming plant—First, A. Heckscher. Second, W. Jennings. Foliage plant—First, A. Heckscher; second, H. T. & A. H. Funnell. Spring bulbous or other flowers—First, W. Jennings; second, A. Heckscher. Greenhouse Vegetables—First, A. Heckscher; second, W. Jennings.

A. H. FUNNELL, Secretary.

Carnation Night at Utica, N. Y.

The Utica Florists' Club held its seventh annual carnation meeting on Friday, February 28, and it was in every way a gratifying success. The attendance was good, and there was a fine display of carnations of the newer and standard sorts. Stevenson Brothers, Govanstown, Baltimore, Md., sent a large vase of Splendor, which was very much admired; it was confidently predicted that Splendor is a comer. A vase of a pink named Victoria, from J. H. Cushing, Quindick, R. I., attracted much favorable attention, as did a yellow from Paul Thompson, West Hartford, Conn. President Seelye, white, from H. W. Field, Northampton, Mass., showed up grandly and was well liked. Peter Fisher, Ellis, Mass., staged Beacon; this variety hardly needs any comment; it is admired wherever shown. Harvard from J. D. Cockeroff, Northport, L. I., was surely the best crimson ever seen here and must be a winner.

A vase of 50 Afterglow, from Richard Witterstaetter, Cincinnati, O., arrived in splendid condition. The same variety was staged by the E. G. Hill Company, the flowers also traveling well. They were grand in every way, the color being especially good.

W. A. Rowlands, Whitesboro, N. Y., had two large vases of 100 each of Eucharantess, extra fine; White Perfection. Mrs. M. A. Patten, Mrs. T. W. Lawson and Victory. Lawson was shown as good as it ever was.

L. F. Goodwin, Clark's Mills, N. Y., exhibited 75 White Perfection, the finest ever seen in Utica. J. O. Graham, Little Falls, N. Y., had fine vases of Eucharantess and Rose Pink Eucharantess. W. P. Pfeifer, Utica, N. Y., staged superb Eucharantess, Rose Pink Eucharantess, White Eucharantess and Winsor. Mr. Pfeifer has a house 30x125 feet, containing 3,500 plants of the varieties he exhibited, which at the present time is a grand sight.

A large bunch of the new violet Boston, from William Sim, Cliffondale, Mass., proved it a good shipper and keeper, and its sweetness lasted longer than that of any other violet ever shown here. It is a fine addition to the single violets.

A vase of 50 Rhea Reid rose from E. G. Hill Company, Richmond, Ind., was fine; this variety seems to have all the good qualities in stem, foliage and flower, and a perfect color.

Robert Scott & Son, Sharon Hill, Pa., sent a vase of the new rose, Mrs. Jardine, which was very much admired.

C. W. Bussinger, New Hartford, N. Y., showed excellent hyacinths and narcissus. After the flowers had been duly inspected the boys adjourned to partake of a banquet which was enjoyed until a late hour.

Among visiting florists were observed J. O. Graham, Little Falls, N. Y.; T. Schesch, Ilion, N. Y.; Mr. Kilbourn, Clinton, N. Y.; John Humphrey and Mr. Beilby, Rome, N. Y.; and T. A. Taylor, Canastota, N. Y.

The Florists' Club will hold no meeting in March, but in April we are invited to W. A. Rowland's, Whitesboro, N. Y., to enjoy a Winter clambake. Your scribble will guarantee all a fine time.

New York.

The Club Dinner.

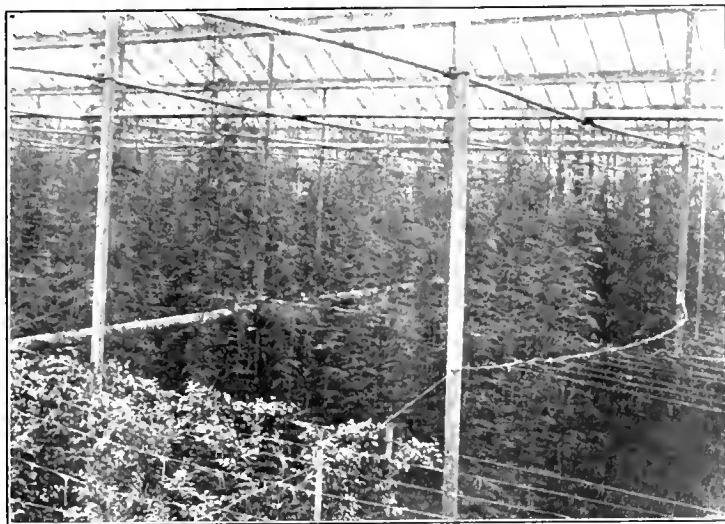
The annual dinner of the New York Florists' Club was held on Saturday evening, March 29, in the Hotel St. Denis, forty seven members and their friends being present. The dinner was served in the usual good form of the proprietors of the St. Denis, so well known to the members who attend these occasions regularly, and was thoroughly

enjoyed. One diamond pin to the returning guest, Charles H. Totty, Robert Scott's presentation. This was a genuine surprise to Mr. Totty, and he accepted the gift with a few appropriate words. A vote of thanks was accorded the dinner committee for the excellent manner in which they had carried out the arrangements. At 11:30 the orchestra struck up Auld Lang Syne, and the happy event was brought to a close by the members rising and singing this parting anthem.

The Week's News.

The regular monthly meeting of the New York Florists' Club will be held in the club's rooms, the Murray Hill Lyceum, Thirty-fourth street near Third avenue, on Monday evening next, March 9. Professor Corbett of Washington, D. C., will talk on the "Preparation of Soil for Greenhouse Purposes," which should bring out a large attendance.

The chairman of the outing committee of the New York Florists' Club, W. E. Marshall, informs us that the annual outing of the club will be held on Wednesday, July 1, at Witzel's Point Grove, College Point, L. I. The steamer Isabel will convey the excursionists to the grove.



An Elevated View of Asparagus House of A. F. Anling, Maywood, Ill. (See page 312.)

enjoyed by every one present. The Metropolitan Orchestra discoursed sweet music, and laughable stories were interrelated by Mr. Rice. The table decorations were elaborate, consisting chiefly of roses, carnations and narcissus, supplied by several of the wholesale members of the club.

President Weathered acted as toastmaster, and filled that office in a most acceptable manner. The toastmaster read a letter from Patrick O'Mara, who, unfortunately, could not attend owing to a previous engagement. The toast "Our Night" was delegated to Charles H. Totty, who replied very feelingly, and in the course of his remarks, impressed forcibly upon the members that, although he was an ex-president, he was still a full member in the private ranks, and would do his utmost at all times to further the interests of the organization. The toast "S. A. F. O. H." was responded to by President F. H. Traudny.

The burden of his speech was an earnest appeal to all members of the club, as well as all Eastern men connected with the florist business, to use their endeavor to help in some way or other the great national show to be held in Chicago next Fall. "Our Sister Societies" was replied to by E. V. Hallock, who handled his subject in a most impressive manner, mentioning the fact that the society formed on the East Side among the very poor for the distribution of window plants was a sister society; also, that the Royal Horticultural Society of England was a sister society. Mr. Hallock used these two illustrations to impress upon his hearers that the sister societies of the New York Florists' Club embraced any organization that had the betterment or the advancement of horticulture at heart; that we were all working along the same lines, in our own way, and all were doing some good to the world at large.

One of the most pleasant features of the evening was the presentation of a

and Stow's orchestra has been engaged to furnish music. Horticultural societies around New York are to be asked to attend and sister societies will be invited to cooperate. The following gentlemen have been added to the outing committee: W. Rickards, J. Fournich, P. Kessler, L. W. Wheeler, R. Berry, H. A. Emyard, H. Hoffmeier, A. J. Guttman, John Donaldson and C. H. Totty. been made time and time again at a price of \$10 each. Mr. LeMont is of the opinion, though, that the old-time sentiment for flowers is getting somewhat choked, and, as time goes on, it will be only the funeral that brings forth a demand for magnificent displays.

In last Sunday's Sun an illustrated article appeared on that prominent Bowery florist, Adolf LeMont. The article was in the nature of an interview with Mr. LeMont, and gave a very fair description of the flower business as it has been found on the Bowery for the last twenty-five or thirty years. Of course, it is nothing new that there is as much sentiment among the lumber folk as is found among the Fifth Avenue residents, and many touching stories connected with flowers, particularly for funeral purposes, and related by Mr. LeMont. He also mentions that duplicates of the trial bouquet of Miss Alice Roosevelt on the occasion of her marriage to Nicholas Longworth, which cost \$200, have been made.

Charles Thorley has a sign in his Broadway store offering to let the whole or part of the store. Mr. Thorley established a magnificent store at Forty-fifth street and Fifth Avenue several years ago, and since that time has opened other branches further uptown. Evidently, the florist, like many another business, is destined for farther uptown. Since the first of the year a change has been made in the King Construction Company, and the two concerns, one located at North Tonawanda, N. Y., and the other at Toronto, Canada, are now being run as entirely separate firms.

W. E. Marshall, Chairman of the Outing Committee of the New York Florists' Club, will be held in the club's rooms, the Murray Hill Lyceum, Thirty-fourth street near Third avenue, on Monday evening next, March 9. Professor Corbett of Washington, D. C., will talk on the "Preparation of Soil for Greenhouse Purposes," which should bring out a large attendance.

The chairman of the outing committee of the New York Florists' Club, W. E. Marshall, informs us that the annual outing of the club will be held on Wednesday, July 1, at Witzel's Point Grove, College Point, L. I. The steamer Isabel will convey the excursionists to the grove.

Among the prominent guests that assembled to celebrate the opening of the Hudson River tunnel on February 25 was Frank W. Kelsey, the well-known nurseryman. Mr. Kelsey was also present at the banquet given at Stuyvesant in the evening, one of the best affairs of its kind, long to be remembered.

James Dean has returned from Texas, whither he went some time ago with his daughter. We are glad to say that she is now much improved in health, and will remain in Texas for about a year.

E. R. Person of Tarrytown, N. Y., was in Boston last Saturday on a business trip.

Pittsburg.

Trade Notes.

This is Shrove Tuesday, the beginning of the Lenten season, and for the next six weeks little will be going on in society affairs, excepting small informal teas, dinners and card parties. It is hardly possible that cut flower trade can be much worse than it has been, for the past few weeks were slow enough. There are lots of flowers on the market and prices are away down on everything except roses. Carnations are still a glut; prices variable. Bulbous stock is sold at such rates by the small gardeners that they hardly realize the price of the bulbs; tulips are lower than they have been for many years. Plant trade is very backward; the weather is to blame. The seed business is also rather slow for the time of the year.

Breitenstein & Flemm will move from their present location, corner Liberty and Market streets, April 1, to Liberty Avenue, between Sixth and Seventh Avenues. The building will be remodeled and a fine store will be fitted up, as the firm has taken a long lease. The old place, which will be vacated, has been a flower store for many years, opened up by R. C. Patterson, now deceased, one of our first wide-awake florists, and has always been conducted as a first-class stand.

A visit to the Philipps conservatories in the North Side parks showed things in pretty good shape. The palm house has been gone over and is in tip-top condition. The show of blooming begonias some weeks back was one of the best ever seen.

John Rader is getting busy for the plant trade. His stock is in good shape, especially ferns, of which he makes a specialty. I. C. REISMAN.

St. Paul.

News Notes.

The first meeting of the Twin City Florists and Gardeners' Club was a success. The members on invitation visited the seed and floral establishment of L. L. May & Company on Carey Avenue. About 60 were present and spent a very enjoyable and instructive afternoon.

The Midwinter meeting of the Minnesota Ros. Society will be held at the city Saturday, March 7.

Real sales are in a very good shape, and the latter part of February stock has been plentiful and of fine quality. Funeral work has been extra heavy.

The Greeks have evidently come to stay. One large department store, a well-known of Bowery section, and a leading contractor has a set of signs which bear the decorations 500 "Greeks" and only flowers. The signs appearing in the display windows since 1907 have been the Greeks.

CLASSIFIED ADVERTISEMENTS

Cash with order. The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants, also of Greenhouse, Land, Second-Hand Materials, etc. For Sale or Rent.

Our charge is 10 cents per line 17 words to the line, set solid, without display. No ads. accepted for less than thirty cents. Display advertisements, in these columns, 15 cents per line, count 12 lines agate to the inch.

If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.

SITUATIONS WANTED

SITUATION WANTED—By Swede, aged 23, private place preferred, good experience in greenhouses and outside. Best of references. Address, G. Ohlsson, 539 Third Avenue, New York City.

SITUATION WANTED—By young man, well experienced in greenhouses, wishes work in nursery, or with landscape gardener; best of references. Address, V. M. care The Florists' Exchange.

SITUATION WANTED—Young man wants a position in greenhouses to learn the florist business, strong and willing worker. Address, Alfred Eichler, 130 Randolph Avenue, Jersey City, N. J.

SITUATION WANTED—By rose grower on commercial place; up-to-date and producer of first-class goods, and can prove same. Address, A. B. C., care The Florists' Exchange.

SITUATION WANTED—Foreman's position wanted by married man, 18 years' experience, roses and carnations a specialty. Personal references. State particulars. Address, Hortico, care The Florists' Exchange.

SITUATION WANTED—As foreman, grower, wholesale or retail. Best experience and references. Married; Eastern states preferred. Address, R. G., care Marshall & Company, 144 West 23d Street, New York City.

SITUATION WANTED—As head gardener on first-class private place, aged 31, thoroughly experienced under glass and in general gardening. Please state full particulars in first letter. Address, M. O., care The Florists' Exchange.

SITUATION WANTED—First-class grower and designer, to take charge of commercial or private place; large experience in landscape work and handling help. Middle-aged; no family. Address, W. A. W., care The Florists' Exchange.

SITUATION WANTED—German florist, 25 years of age, 10 years in this country, wants position in general greenhouse work, 10 years' experience, good and willing worker. Address, Anth. Mier, care Rindler, 1237 Avenue A, New York City.

SITUATION WANTED—As head gardener on private place where choice palms, ferns, orchids, cactus plants, etc., are growing; outside plants also. Single, aged 31, best of references. State full particulars in letter. Address, E. E., care The Florists' Exchange.

SITUATION WANTED—By German gardener and florist, married, 30 years of age, 10 years' experience in landscape gardening and greenhouse cultivation, wishes position as foreman on first-class private or commercial place. Good references. Julius Bauer, P. O. Box 205, Bordenown, N. J.

SITUATION WANTED—By a thorough gardener, either on a commercial or private place, aged 28 years, married, first-class grower of roses, carnations, ferns, chrysanthemums and general stock. Best of references. European and American State wages. Address, C. Thamm, 147 West End Avenue, New York City.

SITUATION WANTED—As head gardener on private estate, with life experience in Europe and this country in every branch, including landscape gardening, fruit and vegetable growing, outside and under glass. Competent and capable of managing a first-class private place, strictly sober, honest and trustworthy, best of references. Married, good character and ability. German, married, social family. Address, E. Meitz, 316 West 11th Street, New York City.

SITUATION WANTED—As head gardener on private estate, with life experience in Europe and this country in every branch, including landscape gardening, fruit and vegetable growing, outside and under glass. Competent and capable of managing a first-class private place, strictly sober, honest and trustworthy, best of references. Married, good character and ability. German, married, social family. Address, E. Meitz, 316 West 11th Street, New York City.

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Thirty cents is the minimum charge for advertisements on this page.

Prices Advertised in these Columns are for THE TRADE ONLY—

SITUATIONS WANTED

SITUATION WANTED—As superintendent or manager of large private estate, thoroughly practical experience in all work pertaining to same and handling help to best advantage. Familiar with all concerning problems in connection with developing estates, also the scientific treatment of soils. Good grower of fruit, flowers, vegetables, etc. Good lover, sober, good references. Address Horticulturist care The Florists' Exchange.

HELP WANTED

WANTED—An experienced grower of general stock, for foreman in a commercial place of 30,000 feet of glass. Address, M. D., care The Florists' Exchange.

WANTED—Vegetable and market gardener, one who understands hotbeds and starting vegetables under glass. Address, H. F. C., care The Florists' Exchange.

WANTED—Man with some experience in rose growing as assistant in greenhouses. Good position in modern up-to-date plant. Address with particulars B. B., care The Florists' Exchange.

WANTED—On commercial place in Eastern Pennsylvania, single young man who has had several years' experience in rose growing. Address with particulars, H. H. B., care The Florists' Exchange.

WANTED—A young man with some experience on a commercial place. State experience, salary expected and references. Ed. A. Lorentz, 6 Spring Street, Middletown, N. Y.

WANTED—Young man as assistant for general greenhouse work; must understand bedding out for a large public park. Apply, stating experience and references. John Thatcher, Chester, W. Va.

WANTED—Good, honest, sober man to buy half interest in good paying greenhouse business; one who can take entire charge of four greenhouses; only small capital if the right man comes along. Address, P., care The Florists' Exchange.

WANTED—Single man as assistant in rose growing plant near New York. Wages, \$30.00 per month with board and lodging. Give age, experience and references in first letter. Address, D. R., care The Florists' Exchange.

WANTED—First man to grow bedding plants, bulb stock and chrysanthemums, good potter and planter. Steady place; good wages for sober industrious man. Cassidy & Sons, Calvary Cemetery, Greenpoint Avenue, Long Island City, N. Y.

WANTED—Assistant gardener for private place on Lake George for the Summer season. Wages, \$30.00 per month and board, no washing. Plenty outside help kept. Railroad fare repaid at end of season. References. Address, Bernard Becking, L. B. 792, Ticonderoga, N. Y.

WANTED—Assistant gardener for private place on Lake George for the Summer season. Wages, \$30.00 per month and board, no washing. Plenty outside help kept. Railroad fare repaid at end of season. References. Address, Bernard Becking, L. B. 792, Ticonderoga, N. Y.

MISCELLANEOUS WANTS

WANTED TO RENT—From 5000 to 10,000 feet of glass, with privilege to buying. Reply with full particulars to C. Y., care The Florists' Exchange.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—Asparagus plumosus, 1 1/2 and 2 in. Send sample and prices stating the number you can furnish. The Templin Company, Calla, O.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, T. N., care The Florists' Exchange.

WANTED—To lease, by two experienced growers, greenhouses, any amount up to 20,000 square feet, after Easter. Central States. Full particulars. Address, J. B. M., care The Florists' Exchange.

WANTED—Rooted cuttings of 2 1/2 in. Geraniums for sale prices on 1000 Doyle, 600 Portevine, 500 La. Favorite and 500 S. A. Nutt. These plants must all be of one size. Address, M. T. Binley, Tamnersville, N. Y. For references, W. Elliott & Sons, New York.

WANTED FOR CASH

A Florist's Establishment in good condition, with about ten thousand feet of glass. Preference given to location with an established home market. Address, with full particulars, BUYER, care The Florists' Exchange.

MISCELLANEOUS

VITALITY TESTS of every description promptly made at lowest rates. Rhythdale Seed Laboratory, Rhythdale, Md.

WILL LANES NELSEN from Viborg, Denmark or any one who knows him, send his address to Box 625, Cohasset, Mass. Good news from Denmark.

Rather Than Throw Them Away

We have some unbound sets of American Gardening, weekly, published in 1895 and '96, which we offer to subscribers in good standing and will deliver, carriage paid, until sold out, at fifty cents per volume, which amount simply pays the expense of its delivery into your hands.

A Long Felt Want Supplied

The Greater New York Employment Agency can furnish help of all kinds for florist and greenhouse work. Any nationality. Address

A HULSEBOSCH, Prop. 51 Greenwich St., NEW YORK CITY Telephone 4839 Rector

FOR SALE OR RENT

FOR SALE—Three greenhouses, 100 hot-bed sash, five acres of good land, eight-roomed dwelling, large barn. A good business forcing lettuce and radishes, also a good shipping trade. John A. Miller, Gardener, Creston, Ia.

FOR SALE—A large, modern and successful floral establishment, the oldest established in the city, carrying a complete line of cut flowers, potted plants, seeds, poultry supplies, etc. This place must be seen to be appreciated, and under proper management is a money-maker. Will be sold at a price that is right. For further information address C. Edwin Oyster, 507-8 Dollar Bank Building, Youngstown, O.

FOR SALE—Florist place, about 20,000 square feet of glass, over five acres of land, fine for carnations or anything you want to grow. Situated on the famous Merrick road or Southern boulevard, eighteen miles from New York, all under carnations, in splendid condition; will be in full crop for Easter. You make your money from the day you buy the place; large dwelling house, all improvements, the whole property including everything on the place—barn, horses, wagons, tools, etc. Land is worth over \$100,000 front foot, the whole bargain \$28,000. Present owner wants to retire, come and see for yourself, seeing is believing. No humbugs nor triflers need come. Address, Carnation, care The Florists' Exchange.

STOCK FOR SALE

COLE'S, strong rooted cuttings, finest mixed, 60c per 100. D. H. Ruthrauff, Seneca Falls, N. Y.

HEALTHY, strong cuttings, unrooted, Enchantress, \$6.00; Queen Louise, \$4.00 per 1000. Wm S. Herzog, Morris Plains, N. J.

MOON VINES, strong rooted cuttings, \$1.25 per 100, postpaid. Cash with order. Wachendorf Brothers, Atlanta, Ga.

CAMPBELL and CALIFORNIA VIOLETS, rooted runners, 50c per 100; \$5.00 per 1000. John A. Burns, Frankford Avenue, Holmesburg, Philadelphia, Pa.

SWEET PEAS, from 2 in. pins, stocky plants, all ready to go to work and grow. Colors, pink and white, \$2.00 per 100. Paul Thompson, West Hartford, Conn.

TO CLOSE OUT our surplus stock of Roses, we offer the following varieties in strong, field-grown plants, 5c ea. or 6c ea. for the lot, cash with order: 5 Appoline, 5 General McArthur, 20 Michael Sanders, 15 Climbing Song de Woodton, 25 James Sprunt, 15 Climbing Malmaison, 40 W. A. Richardson, 5 White Banksta, 8 Gold of Ophir, 60 Climbing Excelsior, 4 Perle d'Or, 15 Fran Karl Dunschke, 50 Anna de Duesbach, 20 General Jacquemont, 20 Glant of Rattles, 6 Globe de Margottin, 125 Paul Neyron, 12 Tom Wood and 26 Ulrich Brunner, Wachendorf Brothers, Atlanta, Ga.

STOCK FOR SALE

GIANT PANSY PLANTS (Rupp's Giant selected), strong, from open ground, 75c. per 100, postpaid; per 1000, \$5.00, by express. Miss Ada J. Brooks, Sorrento, Fla.

BERBERIS THUNBERGII SEEDS, \$1 per pound; Ligustrum Itoha seeds, 50c per pound. Cash please. Francis Hadden, 270 Dudley Street, Roxbury, Mass.

GERANIUMS, Mme. Sallerol, 400 rooted cuttings from sand, \$1.00 per 100; 300 Fall struck in 2 1/4 in. pots, \$2.00 per 100. Cash with order. John Curwen, Berwyn, Pa.

DAHLIAS, strong, undivided, field-grown clumps; A. D. Livoni, Nymphaea, Orange King Special low price. Surplus list of varieties for stamp. William C. Hart, East Walden, N. Y.

FIRST-CLASS Primula obconica grand-flora seed, hand fertilized, something extra fine, 90 per cent. finest dark colors, 50c. trade pkt. Henry Krinka, 43 West Jessamine Street, St. Paul, Minn.

DAHLIA ROOTS—Undivided field clumps, Lyndhurst, Maid of Kent, William Agnew, White Swan, Kriebler, John Walker, Catherine Duer and A. D. Livonia. Write for low prices. Wood & Healy, Hammocton, N. J.

SHAMROCKS—Genuine Irish shamrock, original plant coming from cemetery, Downpatrick, Ireland. Without pots, \$4.00 per 100; \$35.00 per 1000; with pots, \$4.50 per 100, \$40.00 per 1000; 250 at 1000 rate. Order early. Terms, cash. J. D. Harecourt's Son, Wappingers Falls, N. Y.

SAND-ROOTED Carnation Cuttings, A No. 1 stock, express paid, Victory, \$22.00; Pink Lawson, \$18.00; White Enchantress, \$48.00; Rose Pink Enchantress, \$30.00; Winsor, \$48.00; Lady Bountiful, \$25.00 per 1000. A. Lamb & Son, Hughsonville, Dutchess County, N. Y.

PRIMULA OBCONICA, mixed colors, 4 in. pots, fine plants, full of buds and bloom, \$5.00 per 100. Obconicas, 5 in. pots, beautiful plants, a bouquet for themselves, 10c each. Chinese primroses, 4 1/2 in. pots, mixed colors, 5c each. All A No. 1 stock. Try them. Alonzo J. Bryan, Washington, N. J.

FOR SALE

FOR SALE—One 15 h. p. horizontal, one 30 h. p. vertical, one 50 h. p. horizontal, second-hand, tubular boilers. Address, Box 297, Middletown, Del.

FOR SALE—A large consignment of 1624 double thick American glass, A and B quality. For further information write Parselsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Tobacco dust, 100 pounds in sacks, 250 pounds in case lots, about 400 pounds, 2c per pound. Tobacco stems, in bales, \$2.00; about 400 pounds. Cash with order. S. R. Levy, Binghamton, N. Y.

FOR SALE—Second-hand boilers. One No. 5 Weathered, capacity 1,000 feet, 4 inch pipe; one No. 5 Hitchings, capacity 900 feet, 4 inch pipe; one No. 57 Hitchings, sectional capacity 2,600 feet; two sectional Weathered boilers. Write for information and prices. Wm. H. Lutten, Opp. West Side Avenue Station (C. E. R. of N. J.), Jersey City, N. J. Telephone 412 Bergen.

FOR SALE—Ice-Box, 8x8x4 feet, with full double plate glass front, glass door at each end; also an oak top counter 4x12 feet, open in bottom and a semi-circular flower stand having three shelves. All painted white and in good condition. Can be shipped after March 20. Best reasons for selling. Write now for prices, photo and particulars. Address, Box 526, care The Florists' Exchange.

SECOND HAND PIPE & BOILER TUBES

Of all sizes, in good condition, suitable for steam purpose, coupled and threaded, for sale at low rates.

5000 feet 1 inch pipe, 3c. per ft.; 6000 feet 1 1/2 inch pipe, 4c. per ft.; 3000 feet 1 1/2 inch pipe, 5c. per ft.; 2000 feet 2 inch pipe, 6 1/2c. per ft.

EAGLE METAL & SUPPLY CO., Johnson Av. & Broadway, BROOKLYN, N. Y.

SIFTED LEAF MOLD, \$1.00 per barrel; Orchid Peat, in lumps, \$1.75 per barrel; laurel roping, well made, \$4 per 100 yards; laurel branches, 50c., large bunch; fancy ferns, \$1.00 per 1000; head lettuce plants, \$1.00 per 1000, ready now. Also better sweet potato and tomato plants after March 20; best varieties in quantity. Canna Roots, Elsie, Poltevine and Crozy, \$1.50 per 100. Best Jersey Marl in sacks; best thing for lawns, \$5.00 per ton. Will exchange for Vinca variegata, white geraniums, carnation rooted cuttings, hard annuals, shrubs. Buy from first hand; save that middle profit for yourself. Cash with order. L. Pope & Son, Barnsboro, N. J.

When Writing Please Mention THE FLORISTS' EXCHANGE.

FOR SALE

THE OCEAN COUNTY MOSS & PEAT CO. WARETOWN, N. J. Dealers in Sphagnum Moss and Fibrous Peat. Also peat in its natural state, live moss in sacks containing 2 1/2 bushels. For further information call or write to W. H. Stackhouse, Prop. Prompt attention given to all correspondence. Good reference on demand.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads. 1 in. 2 1/2 c.; 1 1/2 in. 3 1/2 c.; 1 3/4 in. 4 1/2 c.; 2 in. 5 1/2 c.; 2 1/4 in. 6 c.; 3 in. 7 c.; 4 in. 8 c.; 4 1/2 in. 9 c. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working. No. 1 cuts 1/2-3/4-1 in. \$3.00. No. 2 cuts 1 1/4-1 1/2-2 ins. \$4.00; Armstrong Adjustable No. 2 cuts 1 1/4-1 in. \$4.00; No. 3 cuts 1 1/4-1 1/2-2 ins. \$6.50. Second-hand Armstrong, No. 3, \$5.00; No. 2, \$3.00.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grade, new round boiler, heating 900 sq. ft. of glass, \$40.00. 1 American Radiator, Ideal, eight section water boiler, grate 67 by 49, heat about 15,000 sq. ft. of glass, price \$225.00. The above boilers are guaranteed to be in good condition. We have other sizes and makes; write for prices.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed. 14 in. grips 1 1/2 in. \$1.05; 18 in. grips 2 in. \$1.40; 24 in. grips 2 1/2 in. \$2.10; 36 in. grips 3 1/2 in. \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$3.50.

GARDEN HOSE 50 ft. lengths 3/4 in. guaranteed, 8 1/2 c.; for heavy work, guaranteed, 12 1/2 c.

HOT-BED SASH New; Gulf Cypress, 3 ft x 5 ft, 8 c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS "In lots of 10 boxes." New American, 50 ft. to the box. 10x12 single at \$1.80 per box, 10x12, B double, \$2.20 per box, 12x14 to 12x20 and 14x14 to 14x20, 16x16 and 16x18, B double, \$2.40 per box, 16x20 to 16x24, 12x24, B double, \$2.52 per box. Discount in large quantities.

PECKY CYPRESS \$25.00 per 1000. We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers 1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

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Vegetables Under Glass.

William Turner of Oceanic, N. J., addressed the Mass. Horticultural Society Saturday morning on "Forcing of Vegetables Under Glass." Whoever, he said in beginning, wishes to have success in this line, must have a love for the work and watch the developments so as to know when and how to feed them. As a private gardener, he confined his remarks to private establishments in general, and the house he recommended was from 20 to 28 feet wide, with a preference toward east and west, and hot water heat.

"Experience has taught me," said Mr. Turner, "that some soils will take much more food than others. I claim there can be no hard and fast lines laid down in regard to how much fertilizer a certain crop shall receive for best results. My theory has always been that each grower in different localities, and different soils, by studying the condition of his growing crops is the best judge as to how much food will be of benefit. I have no doubt there are various opinions on this one important subject—feeding—but the grower, who carves his own road, using his own good judgment, will usually come out the most successful. We know to produce good crops, potash, phosphoric acid and nitrogen are a necessity. This should be applied to the soil in some shape or form. I am confident whoever has given this question study and deep thought will stand by his own good judgment; self-taught experience one never forgets. Pages could be written on this one subject alone—feeding.

Lettuce.

"The demand for lettuce is ever increasing, and without doubt this is one of the main Winter crops. Whether for private or for commercial purpose, monstrous houses have been built for the lettuce industry within the past few years, which probably twenty-five years ago would have been thought madness. Years ago lettuce was grown on raised benches. It was thought of much benefit having the plants near the glass, but certainly a mistaken idea, for those cool-blooded vegetables. In the first place, it is too hot for the roots; and, second, the plants require too much water on the benches. One great advantage in solid beds is, the crops don't require water very often. In fact, if the surface soil can be kept on the dry side, provided there is plenty of moisture below, the roots then will have a tendency to work down, giving the plants health and vigor, which is all-important for best results, but a thorough good watering just as they begin to head will help to increase the size and quicken maturity. Airing plays an important part as regards success or failure with this ever-popular vegetable. The most dreaded fungus or disease is commonly called sunburn, although this is an erroneous idea, as the disease spreads more readily in a spell of dull weather than when it is bright. One thing is certain, when a crop is badly infested it is useless; better throw it out, take the top soil out and replace with fresh or sterilize the soil, as the only safeguard to eradicate the evil.

Cauliflower.

"Probably there is no vegetable more improved by growing under glass than cauliflower, requiring the same treatment in every respect as lettuce, as regards temperature, solid beds, etc., but the soil used may be of a trifle heavier nature and it is perfectly safe to feed them considerably more than lettuce, as they are strong rooting vegetables. Yes, even during the short days this vegetable will respond readily to liberal treatment. I would not advocate starting the plants before say the first week in September. Sow seed according to the number of plants required. Transplant once about four inches apart, then in about three weeks transplant again where they are to mature, in rows 18 inches apart and 15 inches in the rows. The first crop should be ready to cut from the first of December on. For a succession sow seed two weeks apart. Cauliflower delights in rich compost, and without doubt a liberal supply of hardwood ashes is a capital fertilizer for this crop. I question if there is another vegetable forced that will take as much nitrate of soda to good advantage as the cauliflower.

Radishes.

"Radishes are easily produced under glass. I have seen it recommended taking a crop of radishes from among lettuce or any other growing crop, the idea being that the radish crop under favorable conditions will mature in about a month from the time of sowing the seed. However, this method I am not in favor of, claiming that one crop at a time is sufficient even if grown under glass. While radishes are of easy culture, it is true, I think that I am safe in stating that many a batch of radishes has been destroyed by the erroneous impression that this crop needs little or no attention. If left in the bed too long they get soft and pithy, comparatively useless at that stage. The very best seed obtainable should be used for this purpose. Radishes can be grown successfully in the lettuce house temperature.

Tomatoes.

"Good tomatoes can be had either in solid beds or raised benches. But for the Winter months raised benches are decidedly to be preferred. Wonderful progress has been made in recent years in the quantity of tomatoes consumed compared to years ago, and particularly so with the forced products, not only in the private establishments, but it is also quite a commercial enterprise. In the first place we should aim to start plants so that there will be a good set of fruit before the shortest days set in; this will give a heavy picking through the shortest days. To get this seed should be sown not later than the first of August. Those plants for Winter forcing I prefer growing in pots up to 5-inch, potting firm; nothing like having stocky, short-jointed thrifty plants to set in the bench. Tomatoes are not particular as to soil. However, the best is none too good for the work. What I would term a good rose soil would be ideal for tomatoes, with about half the quantity of manure. Four or five inches of soil is sufficient to mature a heavy crop of fruit. One of the main features in keeping a healthy, vigorous growth is the temperature. I am not an advocate of high temperatures (say 60 at night, 70 to 75 degrees in the day, according to conditions of weather, and give air every available chance, never allowing the foliage to get soft and flabby), then there will not be much trouble with mildew and kindred diseases.

Cucumbers.

"Years ago if we produced a crop of cucumbers in the Fall and another in the Spring it was not altogether necessary through the shortest days. Now there is a call for them at all seasons. Probably the commercial grower has been responsible for popularizing this vegetable in a general way more than the private gardener, as their produce goes on the market where it is sold broadcast to the public, which naturally causes a brisk demand. I believe I am correct in stating that Arlington growers were the first to see the possibilities of raising cucumbers on a large scale for market as a financial success, and to-day I believe Arlington is the largest center for this ever-growing enterprise. Heat, moisture and careful airing are the important items to contend with. While cucumbers are rapid, vigorous growers, with good treatment, on the other hand any neglect is easily detected by the stunted appearance of their growth. In fact, a severe check is disastrous. There is an advantage in one way in growing the English cucumbers in Winter. They need no fertilizing, not unless it is necessary to procure some seed.

Beans.

"While beans are not grown commercially, under glass, they are very acceptable for the private table, and far superior to any that can be procured in the open market during the Winter months; therefore, for private greenhouses beans are to be highly recommended as a forced vegetable. When grown successfully it is surprising the number that can be gathered. There are two methods of growing this crop—in pots or on raised benches. If grown in pots, half fill six or seven-inch pots with fairly rich, porous soil, then plant about six beans in a pot. As the beans grow keep adding soil by degrees, until filled. It takes about seven weeks to mature a crop grown in a temperature of 60 to 65 degrees at night, with 70 to 75 day temperature. The bench system is my preference, as there is not so much labor and attention required, and results are equal, if not better.

Rhubarb.

"I do not consider the forcing list complete minus rhubarb. There is considerable demand for this wholesome vegetable, both private and commercially. It requires very little attention; the main secret is if the roots are dug for forcing they should get a thorough freezing before they are taken into the forcing house. Also leave as much of the soil adhering to the roots as possible. These roots may be forced successfully in the mushroom house or under the tomato house bench, setting the roots close together, filling in the hollow spaces between the roots with soil or leaf mold—anything to hold moisture. Every two weeks a fresh supply of crowns may be brought in according to demands.

"Greenhouse vegetable forcing has come to be one of the important branches of our profession, and appeals readily to the consumer, as they are not subjected to extreme temperatures such as our early garden vegetables are at times. The results are they are tender and can be appreciated by all."

Washington, D. C.

Trade Items.

Notwithstanding the condition of the money market and the glut of carnations incident to the season, the past week for business was exceptionally good. A few socials were rushed through prior to the Lenten season, and each of these used its quota of flowers; but, on the contrary, many were postponed owing to the hand of death which has recently fallen so heavily upon some of Washington's most prominent and popular citizens. There has possibly never before been an occasion for which such costly and elegant funeral work was required as at the interment, on February 25, of Bishop H. Y. Satterlee. His remains were placed by request in "The Little Sanctuary," at Mount Saint Albans, the site of Washington's grand new cathedral now in course of erection, and which is the result of the life purpose and work of the beloved Bishop. Space being limited in the sanctuary the wagonloads of floral offerings, composed of the costliest flowers, including hundreds of orchids, were placed around the large granite "Peace Cross" on the lawn, overlooking the city, and subsequently distributed among the various hospitals about the city. The altar in the Little Sanctuary, before which the casket rested, was completely covered with 800 Ascension lilies and 10,000 single violets; these were supplied and arranged by Z. D. Blackstone. Outside there were over 150 pieces, marvels of floral art and beauty. The President and Mrs. Roosevelt sent three different pieces of rare beauty, composed chiefly of orchids and lily of the valley, with Easter lilies. Chiefly noticeable were a wreath of violets, sent by Postmaster General and Mrs. Meyer; a large bunch of violets, sent by Secretary and Mrs. Garfield; a huge cross of purple orchids and lily of the valley, sent by the Cathedral Chapter; a large cross of orchids from the Washington Cathedral Association; a 5-foot wreath of orchids and lily of the valley from the New York church of which he was pastor. This was one of the most elaborate funerals ever held in Washington.

A close second was on Saturday, when the remains of Hon. Crosby S. Noyes, one of our most distinguished citizens, were buried from St. Thomas' Church. Here again most magnificent floral tributes poured in by the score from all parts of the city. A sad coincidence is related in connection with the demise of Mr. Noyes, that in California, realizing his end was near, he requested that his remains be transferred to Washington, and that Bishop Satterlee officiate. The two gentlemen died within a few hours of each other.

The funeral of E. F. Droop, the head of one of the oldest established music houses in this city, took place on Monday, and here also costly floral art was in evidence on all sides.

On Sunday Washington experienced its first Spring sheet.

All stock is improving in both quantity and quality.

J. M. Hammer & Sons have a fine lot of Shamrock for St. Patrick's Day. J. L. C.

MILFORD, CONN. Nodine, the new florist on Sea Side avenue, has had a telephone installed in his home.

THE FLORISTS' EXCHANGE

WINONA

The True Pink Carnation for 1908.

A color that attracts attention.
Once seen, always wanted

Comes nearest to Fiancee, but is a different type flower. Never Bursts—Every Calyx Perfect. Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock, clean and healthy. Will guarantee every cutting to be first-class. Order now for early delivery. Price, \$12.00 per 100; \$100.00 per 1000. Larger lots, prices on application. With our additional glass we have more than doubled our stock of Carnation plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER:

RED CHIEF, bright scarlet	100	1000	ROSE-PINK ENCHANTRESS, pink	100	1000
BONNIE MAID, pink, edged white	\$5.00	\$40.00	ENCHANTRESS, light pink	3.00	\$25.00
ARISTOCRAT, cerise	6.00	50.00	LADY BOUNTIFUL, white	3.00	25.00
WINSOR, pink	6.00	50.00	VICTORY, scarlet	3.00	25.00
BEACON, orange scarlet	6.00	50.00	DOROTHY WHITNEY, yellow	4.00	30.00
WHITE ENCHANTRESS, white	6.00	50.00	MRS. PATTEN, variegated	3.00	
WHITE PERFECTION, pure white	3.00	25.00	HARRY FENN, crimson	3.00	

F. DORNER & SONS CO., Lafayette, Ind.

THE NEW LIGHT PINK CARNATION MAY

You will find in this variety one which you will want to grow in large quantity after you give it a trial. It is one of the few varieties which come in early and keep continually at it until transplanting time. The color is better than Enchantress and the bloom is better than Fair Maid and it is freer than either of them.

We are now sending out fine, strong, well-rooted cuttings. Let's have your order now. \$12.00 per 100; \$100.00 per 1000.

Also other new and standard sorts. All the best varieties at current prices. Our stock is in prime condition.

BAUR & SMITH

38th St. @ Senate Ave., - - - INDIANAPOLIS, IND.

CARNATIONS

Rooted Cuttings, Fine Healthy Stock. READY NOW:

WINSOR	100	1000
White Enchantress	\$5.00	\$50.00
Helen M. Gould and Beacon	6.00	50.00
Melody	4.00	
Duheim	3.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson	3.00	25.00

Have a few hundred in 4 and 5 in. pots of above varieties. Write for list.

ASPARAGUS

Sprengeri, from 3 in. pots . . . \$5.00
Plumose Nans, from 3 in. pots . . . 6.00

VERBENAS

Best Mammoth . . . \$1.00 \$8.00

CANNAS

Strong Dormant Roots in 50 varieties, \$2.00 and \$3.00 per 100, \$18.00 and \$25.00 per 1000.

ROSES

Grafted and Own Roots, orders looked for early delivery.
Killarney, Richmond, Kaiserin, Carnot, Bride, Bridesmaid, Golden Gate, Perles, Sunrise, Sunset, etc

Rooted Chrysanthemums Cuttings

50 fine varieties, \$1.50 and \$2.00 per 100. Send for list

MISCELLANEOUS

Ageratum, Cope's Pat. White cap, P. Pauline, S. Gurney, L. Bonnet	1.00	8.00
Achyranthes, best varieties	1.00	8.00
Ampelopsis Veitchii, pot grown	8.00	
Coleus, best bedding and fancy sorts	1.00	8.00
Cuphea Platycentra	1.25	
Euchsia, double and single	2.00	15.00
Feverfew, double white	1.50	12.00
Geraniums, best double and single	2.00	15.00
Heliotrope, light and dark	1.25	10.00
Ivy, German	1.50	
Moon Vine, true, white	2.00	15.00
Salvia Splendens and Bedman	1.25	10.00
Salvia, five early-flowering sorts	1.50	12.00
English Ivy, 2 1/2 in. pots	3.00	
Lantana, 2 1/2 in. pots	4.00	
Vincas, 1 year, strong	4.00	
Vincas, 2 1/2 in. pots, strong	4.00	

WOOD BROTHERS FISHKILL N. Y.

CLEAN AND WELL ROOTED

CARNATION CUTTINGS

White Perfection	100	1000
Enchantress	\$3.00	\$25.00
Rose Pink Enchantress	2.00	15.00
Pink Lawson	3.00	25.00
Robt. Craig	1.75	15.00
Harlowarden	3.00	25.00
Vesper	1.75	15.00
Prosperity	2.00	15.00
Patten	1.75	15.00
Lady Bountiful	1.75	15.00

CARNATIONS

ROOTED CUTTINGS of all the new and standard market varieties. Send for price list

WM. SWAYNE

BOX 226 KENNETT SQUARE, PA.

Your Money is well spent when you advertise to
THE FLORISTS' EXCHANGE

Selected Rooted Carnation Cuttings

WHITE	
White Enchantress	100 1000
White Perfection	\$6.00 \$50.00
The Queen	3.00 25.00
PINK	
WINSOR	6.00 50.00
Rose Pink Enchantress	2.50 20.00
Enchantress	2.50 20.00
Lawson	2.00 16.00
RED	
Beacon	6.00 50.00
Victory	3.00 25.00
Flamingo	2.00 18.00
CRIMSON	
Harlowarden	2.00 16.00
Harry Fenn	1.75 15.00

All cuttings guaranteed clean and true to name.

B. F. BARR & CO., Keystone Nurseries, Lancaster, Pa.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.

Enchantress, White Perfection, White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000.

Queen, Boston Market, Plak Lawson, H. Goddard, \$1.50 per 100; \$15.00 per 1000.
Victory, \$2.50 per 100; \$22.50 per 1000.
Craig, \$2.50 per 100; \$20.00 per 1000.
Cardinal, \$2.00 per 100; \$17.50 per 1000.
Harlowarden, \$1.50 per 100; \$15 per 1000.

Cash with order or satisfactory references. SMITH & GANNETT, Geneva, N. Y.

UNROOTED CARNATION CUTTINGS

WINSOR, PINK IMPERIAL	1000
VICTORY, WHITE PERFECTION	\$30.00
ENCHANTRESS	15.00

Can fill any size order same day as received.

ROOTED

WINSOR, PINK IMPERIAL	100 1000
VICTORY, WHITE PERFECTION	\$6.00 \$50.00
ENCHANTRESS	3.00 25.00

An unusually fine lot of SCOTTI FERNS in 7-in. pans, \$8.00 per dozen.
COLEUS, R. C. Verschaffeltii and Golden Bedder, \$4.00 per 1000.

LARCHMONT NURSERIES, Larchmont, N. Y.

VICTORIA

Cross between Harry Fenn and Lawson, the color of Lawson and a better bloomer than either. A money maker.
Rooted Cuttings \$8.00 per 100; \$75.00 per 1000.

ROOTED CUTTINGS

WHITE	
Queen	100 1000
	\$1.50 \$12.50
PINK	
Aristocrat	5.00
Enchantress	2.00 15.00

Victory	2.50	22.50
Robert Craig	2.50	22.50

QUIDNICK GREENHOUSES

J. H. CUSHING, Prop.
Anthony P. O. QUIDNICK, R. I.

ROOTED CUTTINGS

PUREST WHITE ENCHANTRESS

We believe we have the largest and best stock in the country. The reason for this statement is that we were first in the market with this grand pure White. Orders now being booked for March and later delivery at \$6.00 per 100, \$50.00 per 1000. Also a large stock of WINSOR, Pink Enchantress, Lawson, Beacon and other commercial varieties.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
38-40 Broadway, DETROIT, MICH.

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS' EXCHANGE.

ROOTED CARNATION CUTTINGS

LAWSON	Per 100	Per 1000	VICTORY	Per 100	Per 1000
WINSOR	\$1.50	\$15.00	BEACON	3.00	\$30.00
ENCHANTRESS	6.00	50.00	JOIST	6.00	50.00
LADY BOUNTIFUL	2.00	15.00	HARRY FENN	1.50	15.00
NAYLOR	2.50	20.00	ELDORADO	1.50	12.50
	1.50	12.50	MRS. PATTEN	2.50	20.00

GRAFTED ROSES

\$12.00 per 100; \$100 per 1000. If you can furnish the scions we can quote you lower prices in any quantity you wish.

EDWARD J. TAYLOR, - - - Greens Farms, CONN.

CARNATION CUTTINGS

WELL ROOTED. READY NOW. SPECIAL PRICES

To clean out benches while this lot lasts.

ENCHANTRESS	1000	100	PINK IMPERIAL	1000	100
LAWSON	\$15.00	\$2.00	PINK PATTEN	\$30.00	\$3.50
J. E. HAINES	10.00	1.50	WHITE PERFECTION	15.00	2.00
	15.00	2.00	WINSOR	25.00	3.00
				50.00	6.00

ALBERT M. HERR, Lancaster, Pa.

CARNATIONS

White Enchantress	100	1000
Rose Pink Enchantress	\$5.00	\$45.00
Enchantress	2.50	22.50
Victory	2.00	18.00
Harlowarden	2.25	20.00
Prosperity and Gaeithe, rooted to order	1.50	15.00
Strong undivided DAHLIA CLUMPS.		

White Swan	Per 100	\$5.00
Prince Bismarck	5.00	
Clifford Brutton	5.00	
Glowing Coal	5.00	

KRAMER BROS, FARMINGDALE, L. I., N. Y.

Rooted CARNATION Cuttings

Enchantress and White Lawson, from sand, \$2.00 per 100, \$18.00 per 1000, Pink Lawson, \$1.50 per 100, \$12.00 per 1000, Queen and Pink Lawson from soil, \$2.00 per 100, \$15.00 per 1000. 250 at 1000 rate.

Valley View Greenhouses
Velic Bros., Props. Marlborough, N. Y.

SPLENDOR

Color, light pink, between Mrs. Lawson and Winsor. Nothing finer ever introduced as a commercial variety at any price. Strong healthy cuttings now ready for delivery. \$10.00 per 100; \$75.00 per 1000; 500 at 1000 rate.

STEVENSON BROS., Govanstown, BALTIMORE, MD.

HEADQUARTERS IN WESTERN NEW YORK

	Per 100	Per 1000
25000 Winsor	\$6.00	\$50.00
25000 White Enchantress...	6.00	50.00
10000 Enchantress.....	2.50	20.00
1000 Monrovia Chrysanthemums, R. C.	\$15.00	

IMMEDIATE DELIVERY.

Splendid stock. Satisfaction guaranteed. Other varieties on application. We are satisfied others, why not you?

WHITE BROS., Gasport, N. Y.

NOW READY

Well Rooted Carnation Cuttings

From Healthy Stock

	100	1000
Enchantress	\$2.50	\$20.00
Boston Market	1.50	12.00
Mrs. T. W. Lawson	1.50	12.00
Red Lawson	2.50	20.00
Winsor	6.00	50.00
Robert Craig	2.00	25.00
Queen Louise	1.50	12.00
White Enchantress	6.00	50.00

Cash with order.

A. N. KINNEY

West 200th St. and Fort Washington Av. NEW YORK CITY

CARNATIONS

Winsor, \$6.00 per 100; \$50.00 per 1000. White Perfection and Robert Craig, \$1.00 per 100; \$25.00 per 1000. Harry Fenn, Octo- room, Lawson and Patten, \$2.00 per 100; \$25.00 per 1000. Maceo, Fair Maid and Boston Market, \$2.00 per 100; \$15.00 per 1000.

LITTLEFIELD & WYMAN, North Abington, Mass.

CARNATIONS ROOTED CUTTINGS

	100	1000
The Queen, Best com white	\$1.50	\$12.50
Harlowarden, Best crimson	1.50	12.50
Mrs. Patten, Best Var.	2.00	18.00
Lady Bountiful	3.00	25.00
Enchantress	2.50	20.00

S. G. BENJAMIN, FISHKILL, N. Y.

	100	1000
White Enchantress	\$6.00	\$50.00
Winsor	6.00	50.00
Beacon	6.00	50.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Enchantress	2.50	22.50
Lady Bountiful	2.50	20.00

Healthy Rooted Cuttings. SCRANTON FLORIST SUPPLY CO., Scranton, Pa.

CARNATION CUTTINGS AND PLANTS

ONLY THE BEST VARIETIES SEND FOR OUR LIST

Chicago Carnation Co.

A. T. PYFER, Mgr. JOLIET, ILL.

WHITE ENCHANTRESS ROOTED CUTTINGS

\$6.00 per 100, \$50.00 per 1000.

E. SCHRADER,

NEW SPRINGVILLE, Richmond Borough, N. Y.

THE NEW CARNATION Afterglow

Winner of the following prizes at the Washington Exhibition of the A. C. S. held last week: The A. C. S. Silver Medal, The S. A. F. Bronze Medal, for best 100 blooms of Lawson shade of pink. Also awarded

GOLD MEDAL by the Rhode Island Horticultural Society at Providence, Nov., 1907. (Exhibited by Wm. Nicholson)

FIRST PRIZE by the St. Louis Horticultural Society at St. Louis, Mo., Nov., 1907. (Exhibited by E. G. Hill Co.)

SCORED the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S., Jan., 1907, after arriving 24 hours late from Framingham, Mass.

ASIDE from these honors, the fact that it has been grown successfully wherever it has been tried, is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation, for well grown, well rooted cuttings at \$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000.

WILLIAM NICHOLSON, THE E. G. HILL CO., DAILLEDOUZE BROS., R. WITTERSTAETTER. Framingham, Mass. Richmond, Ind. Flatbush, Brooklyn, N. Y. Originator, Sta. F. Cincinnati, O.

DEFIANCE

The only scarlet to grow for both quality and quantity. Let us have your order at once so as to secure early delivery.

\$12.00 per 100. \$100.00 per 1000.

JENSEN & DEKEMA,

674 W. Foster Ave., CHICAGO

W. N. RUDD,

MORGAN PARK, ILL.

ROOTED

Carnation Cuttings

PINK

	100	1000
ARISTOCRAT	\$6.00	\$50.00
WINSOR	6.00	50.00
ROSE PK. ENCHANTRESS	3.50	30.00
ENCHANTRESS	3.00	25.00
LAWSON	2.50	20.00
JOOST	2.00	15.00

WHITE

WHITE PERFECTION	3.00	25.00
" LAWSON	3.00	25.00
QUEEN	2.00	18.00
BOSTON MARKET	2.00	18.00
LOUISE	2.00	18.00
LT. PEARY	3.00	25.00
BOUNTIFUL	2.50	20.00

RED

BEACON	6.00	50.00
VICTORY	3.00	25.00
ROBERT CRAIG	3.00	25.00
FLAMINGO	2.50	20.00

MISCELLANEOUS

PATEN	2.50	20.00
HARRY FENN	2.50	20.00
HARLOWARDEN	2.50	20.00

Stock guaranteed. Prompt deliveries.

THE LEO NIESSEN CO.

Wholesale Florists,

1209 Arch St., Philadelphia, Pa.

JOHN E. HAINES BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908.

John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000

Place orders early for December delivery

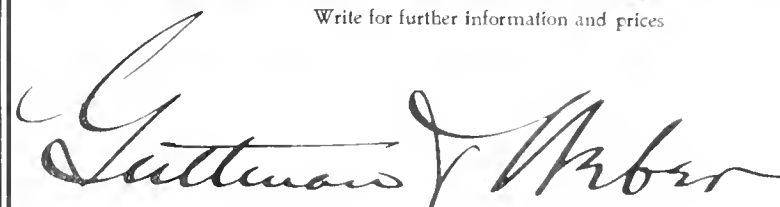
CARNATION CUTTINGS

DEPEND

on receiving only STRONG and HEALTHY cuttings when you order from US

We have only the NICEST and BEST varieties

Write for further information and prices



The Wholesale Florist of New York
43 West 28th Street

Grower
Lynbrook, L. I.

Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, Etc.

The Test ^{It} Tells The Story

When growers, who buy by the hundred the first season, order thousands the next **IT MEANS MERIT**

BEACON CARNATION

Occupies this enviable position. As an all Winter Blooming Scarlet

IT HAS NO EQUAL

Strong, vigorous, healthy cuttings ready now, per 100 \$6.00, per 1000 \$50.00

WINSOR	6.00	50.00	ROSE ENCHANTRESS	3.00	25.00
WHITE PERFECTION	1.00	25.00	ENCHANTRESS	3.00	25.00

Make all Money Orders payable on NORWOOD, MASS.

PETER FISHER, - - Ellis, Mass.

ANNOUNCEMENT

Rooted Carnation Cuttings

The H. Weber & Sons Co., OAKLAND, MD.

A. F. LONGREN, DES PLAINES ILL.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
 54 WEST 28th STREET, NEW YORK.
 Telephone: 3559 Madison Square
 CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—The supply of American Beauty roses shows a decided increase, and prices are being affected materially. On Tuesday 35c. was the outside figure for specials, and some went at even lower than that. Bride and Bridesmaid roses have not shown any increases as yet, and values remain about the same. In some quarters there has been a slight falling off in the supply of carnations, but this has been more than made up in other places, so that it can safely be said that so far as this city is concerned, carnations are still as plentiful as ever and no change in prices is noted. In some of the bulbous stock, particularly Paper White narcissus, there is not such a surplus on hand as has been the rule for several weeks; still, there is enough to meet all demands and market prices have not been affected. Lily of the valley is yet a difficult proposition to deal with, so far as clearances go; and the supply of lilies and callas is more than ample for the needs. Violets are plentiful, as are sweet peas; the latter are even far cheaper than they were a week ago. With favorable weather, which we may reasonably expect from now on, the street merchants will be able to work every day, and perhaps better clearances will then be made.

CHICAGO.—The market is dull and monotonous, with a local demand small in character and an outside business which is not as might be expected for the time of year. An anticipated extra demand from New Orleans for Mardi Gras requirements this week did not materialize, at least in so far as the majority of wholesalers are concerned. An overabundance of stock continues to be a feature of the market, about the only exception to the general condition being American Beauty roses in the higher grades, which are still very scarce. Other roses are very plentiful, and do not move so actively as a week ago. Receipts of carnations are somewhat lighter than for a couple of weeks, but with a decline in the general demand for flowers the difference is imperceptible, and large stocks are on counters and in iceboxes. Bulbous stock moves very slowly, and much goes to waste. The local retailers appear to go the limit in stocking up, but the bulk of their purchases have to be used for window display, and the windows of many establishments in the downtown districts display more stock than is sometimes seen in wholesale quarters. Lilies are very plentiful, and move only fairly well, notwithstanding the commencement of a season when they should meet an active demand. Violets are not so strong as they have been, and prices have declined. Lily of the valley is not quite so plentiful, but there is more than enough to go around. Orchids, cattleyas in particular, move very well, for the reason that the supply is on the short side. Some fine Cattleya Schroederiana is coming in. The dark and unsettled weather experienced during the past few days has proved beneficial in shortening receipts, and a few days of fine weather, which now seems a possibility, may result in a reaction which will be welcomed on every hand.

J. H. P.

BOSTON.—Trade is still improving. Prices have not advanced a great deal but the demand continues better. Roses are more plentiful and the quality is very fine. Carnations are still very abundant but clean up fairly well daily. Violets sell well. Sweet peas are of fine quality. Lilies are not much in demand except for funeral work. Lily of the valley sells well. Antirrhinums and such flowers are now quite plentiful but they have only a limited call. Bulbous stock is becoming very plentiful and cheap. Prices of the better grades of tulips and narcissus have been fairly good but now have taken a drop.

J. W. D.

CLEVELAND, O.—The market is heading up with carnations, roses and bulbous stock. Violets are plentiful and bring \$1 per 100. Good lily of the valley is scarce, selling at \$4 per 100. Great preparations are making for St. Patrick's Day and green carnations will be in demand. O. G.



This is Design No. 2

A. T. De La Mare Ptg. & Pub. Co. Ltd.
 Publishers The Florists' Exchange

Do Not Order Your Easter Advertising Matter Until You Have Examined Our Original

EASTER Announcements

Successful Business cannot be obtained without special endeavor. One's own personal efforts need backing and the most helpful backer is WELL-DIRECTED ADVERTISING, carefully selected and freely used.

For those florists who cater to the EASTERTIDE TRADE, we have prepared six graceful and attractive designs which we offer at a price that appeals to the user of good printing. We furnish THESE EASTER ADVERTISING ATTRACTIONS in the shape of small oblong four-page folders, printed in the finest style and on the best heavy enamel paper, with the engraving covering the front page and the advertisement on the third page. A fine quality baronial envelope is included in the price.

Delivery is F. O. B. New York at the following prices:

100 Folders and	100 Envelopes.....	\$3.50
250 Folders and	250 Envelopes.....	6.00
500 Folders and	500 Envelopes.....	10.00
1000 Folders and	1000 Envelopes.....	18.00
Each additional 1000, at same order.....		15.00

On orders for 500 or over customer may select two or more styles without extra charge. If interested, send at once for a sample set of these Announcements. They are original designs, made expressly for the season of 1908, and will interest you. It only costs one cent to look them over.

We expect lots of orders for these Announcements, so would advise you to act promptly if you wish yours filled in good time. Address

Special Easter Advertising literature made to order. Let us know what you want and we will be glad to quote you. Time is passing; write now.

Post Office Box 1697
 NEW YORK CITY, N. Y.

INDIANAPOLIS, IND.—The increase in counter trade as well as a number of small decorations have given the retailers much encouragement. Funeral work remains up to the standard and is the outlet for a part of the enormous supply on hand. The season is singular for the profuse and grand varieties of plants and flowers displayed in the flower stores and conservatories, which give them a holiday appearance. Single and double violets, eternally modest, but not so in numbers at present, are disposed of at 50c. to 75c. per 100. The first mentioned suffer decidedly from a spell of cloudy weather and cause the retailers much annoyance. Carnation prices are lower than at the corresponding date last season; fancy stock is often wholesaled at \$2.50 per 100; white outsell the other colors. At no time are green goods difficult to obtain, but prices never suffer. Bulbous stock is forging ahead in an alarming manner, for so values suffer accordingly. Plant sales early a date; more of it is grown, too, than can well be taken care of, and are most gratifying, but nothing short of the meticulous would enable the growers to dispose of all their output at a profit. I. B.

ST. LOUIS.—The Lenten season is about to set in and society will wind up its social affairs. This is bound to make business somewhat dull for the next six weeks, especially with the West End florists, who do most of the society work, while the downtown florists are more or less favored with orders for funeral work and over-the-counter sales. Quite a few weddings and parties are booked for the next few days.

The wholesale market the past week was fairly alive with stock of all kinds and of good quality. Carnations are more plentiful than roses, extra good white sell well. There is an oversupply of red, pink and Enchantress, which bring from 75c. to \$2 per 100. Roses are becoming more plentiful every day in all varieties and sell at from \$2 to \$8

per 100. Violets go at \$2 to \$3 per 100; sweet peas, 40c. to 75c.; lily of the valley, \$1 to \$2 per 100. Of all kinds of bulbous stock there is more than the demand calls for, plenty going to waste. Prices on these can hardly be quoted; everything is a glut. Greens are selling nicely at regular rates. ST. PATRICK.

NEWPORT, R. I.—The condition of the market in Newport is not very satisfactory; the only business of any volume transacted is the filling of funeral orders, of which there certainly have been a large number during the last week or two. All kinds of flowers are so plentiful and low in price that Newport is now feeling the effects of these conditions. The birthday and anniversaries of Washington and Lincoln had no apparent effect on this market; the same may be said of St. Valentine's Day.

Plants are not moving at all, and it looks as if they would remain stationary until Easter. Although it is yet too early to say much in regard to the local supply of Easter stock, it looks as though a great deal of what will be required will have to be procured elsewhere. D. M.

ROCHESTER, N. Y.—The market is very dull here. The material shipped in is of good quality. Some exceedingly fine extra special Bridesmaid roses were received this week from Lake View. Roses sell at \$2 to \$4; carnations, 75c. to \$1.50. Bulbous stock at your own price, especially lily of the valley, for which there seems to be no call whatever. Harrisii lilies bring from 4c. per flower up, according to quality. C.

CONCORD JUNCTION, MASS.—For St. Patrick's Day Leonard Cousins, Jr., is growing a large number of shamrock in 1-inch, also in 1 1/2-inch pots. The advance orders indicate an increasing demand for these tiny plants among patriotic Irish people throughout the country.

FIRMS WHO ARE BUILDING.

OSKALOOSA, IA.—The Kemble Floral Company has added a new greenhouse of large dimensions, and made several other improvements on their establishment.

CHANGES IN BUSINESS.

TOLEDO, O.—The Schoen Floral Company occupied its new store, 409 Adams street, on March 1.

WATERLOO, N. Y.—Sidney Kunej has succeeded the firm of Smith & Kunej, florists and gardeners, 208 North Stark street.

RACINE, MASS.—Mrs. John Shaw has made arrangements to continue the florist business of Mrs. C. W. Pike at 216 Fourth street.

DENVER, COL.—The Alpha Floral Company has been incorporated with a capital stock of \$5,000; incorporators: E. S. Kennedy, L. O. Brown, and W. S. McClain.

TRENTON, N. J.—Austin C. Apgar, for forty-two years connected with the State schools and for fifteen years professor of botany in the State Normal School, died of apoplexy on March 4, 1908. Prof. Apgar was born in Peapack, Somerset County, on August 4, 1838.

COHASSET, MASS.—John Clark, the well-known florist who has been a very efficient and satisfactory tree warden in Cohasset for two successive years, is to run again for the office. Mr. Clark had charge of the moth work for this section also.

LOUISVILLE, KY.—Phillip J. Schank, forty-nine years of age, died on Friday, February 28, of tuberculosis. He was a well-known gardener and is survived by six children.

CYCLAMEN

Splendens Giganteum Hybrids
Finest strain in the world. Perfect flowers of giant type in 3 true colors twice transplanted from flats, \$3.00 per 100, \$25.00 per 1000.

Asparagus Plumosus Nanus
Special offer from 2 1/2 in. pots, \$3.00 per 100, from 3 in. pots, \$5.00 per 100.

Cannas Started from Sandbed
Alph. Bouvier, Chas. Henderson, Chicago, Papa, Florence Vaughan, Egandale, J. D. Cabos, Queen Charlotte, \$3.00 per 100, \$25.00 per 1000.

Cineraria Hybrida Maxima Grandiflora
From 2 1/2 in. pots \$2.50; from 3 in. pots, \$4.00 per 100.

SATISFACTION GUARANTEED
PAUL MADER, East Stroudsburg, Pa.

SURPLUS STOCK

- 600 ALTERNANTHERA Red and Yellow, 2 in. \$2.00
175 SALVIA, Bull of Fire, 2 1/2 in. \$3.00
60 MARQUERITE, 3 1/2 in. \$5.00
500 ASPARAGUS Plumosus Nanus, 3 in. \$4.00
100 ASPARAGUS Plumosus Nanus, 1 in. \$8.00
25 GERMAN IVY, stock plants, 4 in. \$10.00
50 GERMAN IVY, 2 in. \$2.00
150 AGERATUM, Blue and White, 2 1/2 in. \$2.00
250 ENGLISH IVY, no runners, 4 in. \$6.00
200 ENGLISH IVY, with 3 to 6 long runners, 4 in. \$12.00
500 VINCA, 2 in. \$2.50
100 GERANIUMS, Rose Leaf, 2 in. \$2.50
750 CARNATIONS, Boston Market, 2 in. \$2.50
2000 CARNATIONS, Prospector, 2 in. \$2.50
1000 CARNATIONS, Prospector, cuttings, \$1.50

J. W. ADAMS & CO., Springfield, Mass.

Asparagus

Sprengeri, 2 in. 2c.
SWAINSONA Alba, 2 in., 2c. FERNS, Person and Elegantisima, 2 in., 3c. IMPATIENS, 2 in., 2c.
CABBAGE PLANTS, Wakefield, Express, and Winnigstadt, \$1.00 per 1000.

Rooted Cuttings

Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c. Heliotrope, 3 kinds, \$1.00; Vinca Variegata, 5c.; Fuchsia, 5 kinds, \$1.25; Paris Daisies, yellow and white, \$1.00; Flowering Begonias, \$1.25; Coleus, 10 kinds, 60c.; Hardy Pinks, 5 kinds, 75c.; Ageratum, Gurney, Pauline, Inimitable, white, 60c.; Alternanthera, 3 kinds, 50c.; Salvia, Bonfire, Splendens, 30c.; Feverfew, Gem, \$1.00; Impatiens, 3 kinds, \$1.00; Parlor Ivy, 75c.

BYER BROS., CHAMBERSBURG, PA.

ASPARAGUS Plumosus, 2 in., \$2.25 per 100; \$20.00 per 1000.

STOCKS, double white, 5 in., 10c.

REX BEGONIA, separate varieties, 2 in., strong, \$3.00 per 100.

ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100.

GERANIUMS, S. A. Nutt. Heteranthe, Gloire de France, strong plants, 2 in., \$2.00 per 100; \$19.00 per 1000. Mixed, strong plants, \$1.75 per 100; \$17.00 per 1000.

ARAUCHARIA, 20 in., four tiers, \$1.00.

FERNS, Scottii, 4 in., 10c.; 5 in., 15c.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

Will exchange for Geraniums, R. C. Carnations, R. C. Write us.

J. H. DANN & SON WESTFIELD, N. Y.

ROOTED CUTTINGS

HELIOTROPE (dark) 60c. per 100; \$5.00 per 1000. FINEST DOUBLE FUCHSIAS, 75c. per 100, \$6.00 per 1000. NEW DOUBLE PETUNIA, The Queen. A fine bloomer, white mingled with purple, requires no staking, \$2.50 per 100. SALVIA Zurich, new dwarf ever-blooming variety, \$2.00 per 100. SALVIA Bonfire, 90c. per 100. AGERATUMS, S. Gurney and P. Pauline, 60c. per 100; \$4.00 per 1000.

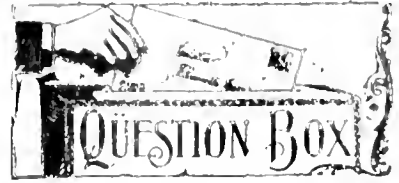
Strong and well-rooted. Cash with order.

J. P. CANNATA, MT. FREEDOM, N. J.

ALTERNANTHERAS

Strong rooted cuttings, red and yellow, 50c. per 100, or \$4.00 per 1000. Brilliantissima, 60c. per 100, or \$5.00 per 1000.

DAVIS BROS., Morrison, Ill.



(45) Holland-Grown Longiflorum Lilies.—Will the Holland-grown longiflorum force as good as the Japanese longiflorum lilies? If so, do they produce as many blooms and how tall do they grow? G. & H. Ky.

—While we have never grown Holland bulbs of Liliun longiflorum, we have seen them at one or two places, and we think they flower just as easily and freely as the Japanese bulbs, and are much freer from disease. The habit of the longiflorum is the same all over, so that those from Holland will not be much different in height from those produced from bulbs obtained from any other country. Perhaps some grower who has raised the Holland bulbs extensively may be able to say something further in answer to this question.

(46) Carnation Rust.—The carnation leaves I send you are fair samples of the foliage in our entire house. I have tried all remedies I know of without avail. The house is well ventilated, and, of late, the foliage has been dry, except for the application of experimental remedies. Can you suggest anything other than throwing out the entire outfit—a remedy that I would like to avoid, if possible? A. W. Maine.

—The carnation leaves sent for examination show a rather bad case of rust, but this disease is not so hard on the plants that it should be necessary to throw out the stock. We would first pick off all the affected leaves, and then dust the plants over with air-slaked lime. Let this remain for several days, and on some bright sunny morning, syringe so as to wash the foliage clean. In a day or two repeat the method. Keep the house as well ventilated as possible so that a free circulation of fresh air can be secured, and in a short time the plants should grow away entirely from the disease.

A FEW GOOD THINGS YOU WANT

- Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.
Asparagus Sprengeri, 2 in., \$2.50 per 100; \$20.00 per 1000.
ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.
Dracaena indivisa, 2 in., \$3.00 per 100.
IERNS, Scottii, 5 in., 30c. each.
Geraniums, S. A. Nutt, John Doyle, Perkins, Ideard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trezo, Castellane, Poltevine and Viand, 2 in. pots, \$3.00 per 100. Rooted cuttings, \$1.50.
VINCA VAR., 2 in., \$2.00 per 100.
Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.
GLADIOLUS BULBS, mostly light colors, \$1.00 per 100.
REX BEGONIAs, 2 in., \$5.00 per 100.
GEO. M. EMMANS, NEWTON, N. J.

Pansy Plants

Giant Flowering, one of the best strains on the market, \$2.50 per 1000.
DAISIES (Bells), blooming plants, \$1.25 per 100; \$10.00 per 1000. Plants that will bloom soon, \$2.50 per 1000.
FORGET-ME-NOT, hardy blue, fine plants \$2.00 per 1000.
STOCKS: Verbenas, Ivy Geraniums, Salvias, Cigar Plants, Ageratum, Dusty Miller, Vinca variegata, Alyssum, single and double. Fuchsias and Lobelias, 2 1/2 in. \$2.00 per 100; \$15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

ROOTED CUTTINGS

Prepaid per 100. Bellotrope blue; German Ivy, 75c. 31 alternanthera best red and yellow, 5c. Fuchsias, five best kinds; Giant Marguerite Daisy, yellow; Double Alyssum, \$1.00. Ageratum, Gurney and Pauline, Coleus, best bedders Verbenas, best colors 60c. Salvia, Bonfire and Splendens, 35c. Bargain to move at once: Primula Obconica Grandiflora mixed and Baby Primrose, 2 in. Will make fine stock for Easter if banded at once. \$1.75 per 100, 3 or more, \$1.50 per 100. Cash. Shippensburg Floral Co., Shippensburg, Pa.



The man who prospers is the wide-awake man. Never mind the times, put something in your greenhouses or in your store, success is sure to come. We are prepared to meet all demands. We have our houses full, every nook and corner filled with choice Easter plants, just right for Easter. A little forcing will bring them into bloom to meet your every-day requirements.

Araucaria Robusta, Compacta and Excelsa

A perfect marvel of nature. We are one of the heaviest importers and growers of this beautiful decorative plant, the Araucaria. Prices: 6-7 in. pots, 6-year-old, 4-5-6 tiers, 28 to 40 in. in height, the same in width, only \$3.00; 6-7 in. pots, 6-year-old, 4-5-6 tiers, 25 to 28 in. high, \$2.00 and \$2.50; 6-7 in. pots, 5-year-old, 3-4 tiers, 18 to 25 in. high, \$1.50 to \$1.75. Excelsa, 6 in. pots, 5-year-old, 5 tiers, 22 to 25 in. high, \$1.00; 6 in. pots, 4-5 tiers, 4-5-year-old, 18-20-22 in. high, 75c.; 2-year-old, 2-3 tiers, nice little plants, 6-8 in. high, 40c.; 5 1/2 in. pots, 3 tiers, 8 to 12 inches high, 40c. and 50c. each.

AZALEA INDICA. Have an immense stock now planted in 6 in. and 7 in. pots, were grown for us under contract by an Azalea Specialist in Ghent, Belgium. Have only the best varieties such as, Mrs. Van der Cruysson, (2500 of this well known variety of the finest shape, full of buds), Niobe, Bernard Andrew Allen, Deutsche Perle, Simon Mardner, Empress of India, Prof. Wolters, Apollo, and 1/2 doz. more popular sorts, price, 50c., 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75, \$2.00, \$2.50 each.

FERNS

Raised in pots, not lifted from benches. NEPHROLEPIS WHITMANI, 8 in. pots, as big as a washtub, \$1.25 to \$1.50; 6 in. 50c to 75c.; 4 in., 25c. NEPHROLEPIS SCOTTII, 6 in. pots, 50c. to 75c.; 7 in. pots, \$1.00 each. NEPHROLEPIS BOSTONIENSIS, 8 in. pots, made up of three plants, as big as a washtub, \$1.25 to \$1.50; 7 in. pots, 75c. to \$1.00; 6 in. pots 50c.; 5 to 5 1/2 in. pots, 30c., 35c., 40c. NEPHROLEPIS PIERSONI, 5-5 1/2-6 in. pots, 35c.-40c.-50c. FERNS FOR DISHES, 2 1/2 and 3 in. pots, 5c. each.

Please mention if plants are to be shipped with or without pots. All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN, Importer, Wholesale Grower and Shipper of Pot Plants 1012 West Ontario Street PHILADELPHIA, PA.

Prepare for Easter

Prosperity in Sight

Bear in mind we have been specialists in raising Easter Novelties for the past ten years

In Philadelphia there's a florist noted, Aschmann, his name, his plants beyond compare; To a sweet girl his heart is all devoted, No! rank his Araucarias, passing fair; When seen together they're a pair so charming— Brimful of beauty—both he cannot keep; So to his heart he'll hold his winsome darling, While you may leave the Araucarias cheap.

PALMS

- KENTIA Forsteriana and Belmoreana, 4 in. pots, 8 to 20 in. high, 35c. 5 1/2 in., 5 1/2 in., and 6 in. pots, bushy stocky plants, 50c., 60c., and 75c.
LATANIA Borbonica, 5 in., 30c.
COCOS Weddelliana, 3 in. pots, 10-12-15 in. high, 15c.

FICUS ELASTICA or RUBBER PLANTS, home grown and Belgium stock, 18-20 to 40 in., 5-5 1/2 to 6 in. pots, 25c.-35c.-40c.-50c. and 60c. each; 7 in. pots, 75c.

ASPARAGUS plumosus nanus, 4 in. pots \$10.00 per 100, all bushy plants

BEGONIA FLAMBEAU, sells at sight, 5 1/2 in. pots, 25c.

BEGONIA, new Improved Erfordi, 4 in., strong, 20c.; 5 1/2 in., 25c. each.

CINERARIA HYB. GRANDIFLORA, best improved strain, 4 in., \$1.00 per 100; 5 in., \$2.00; 6 in., \$3.00-\$4.00; \$5.00 per dozen; right for Easter, in bud, partly in bloom now.

PRIMULA obconica, in bloom, 5 1/2 in. pots, 25c. each.

CYCLAMEN giganteum, in bud and bloom, 4 in. pots, 20c. to 25c. each.

HYDRANGEA OTAKSA. This is the best pink variety, already in bud just right for Easter, 6 to 7 in. pots, 35c.-50c.-75c.-\$1.00 each.

EASTER LILIES, Japan Multiflorum, of our own importation, raised from best 10 in. bulbs obtainable. Have the finest lot this year we ever had any season; showing buds now; just right for Easter. Medium size, 10c. per bud for plants over five buds, and 12c. per bud for plants under five buds. Have about 5000 good plants to offer. Owing to the fact that the demand every year exceeds the supply, kindly send your order as early as possible.

SPIREA GLADSTONE. We offer only large stock. Our own importation, 6-7 in. pots, in bud now, just right for Easter, 50c. to 75c. each.

Watch for "ad" of Hyacinths, Tulips and Daffodils, etc.

Pansy Plants Geraniums

- Giant Flowering, \$2.50 per 1000. Per 100 \$2.50
ALTERNANTHERAS, Red, Yellow, April 10, \$2.00 per 100; \$15.00 per 1000
ROSE GERANIUM, \$2.00 per 100; \$15.00 per 1000
DOUBLE PETUNIAS, April 1, \$2.00 per 100; \$15.00 per 1000
ASPARAGUS PLUMOSUS, April 1, \$2.00 per 100; \$15.00 per 1000
ASPARAGUS SPRENGERI, April 1, \$2.00 per 100; \$15.00 per 1000
CANTARIA CAMOGERPA, April 15, \$2.00 per 100; \$15.00 per 1000
varieties, dry bulbs \$2.00

JOS. H. CUNNINGHAM, Delaware, Ohio

ASPARGUS, BOSTONS, AZALEAS

AZALEAS. We are now booking orders. Write for prices. Our stock is the best in the West and well banded too. BOSTONS, 2 1/2 in. 45c.; 3 in. 50c.; 4 in. 60c.; 5 in. 75c.; 6 in. 90c.; 7 in. 1.00; 8 in. \$1.00 to \$1.50; 10 in. \$1.50 to \$2.00; 12 in. \$2.00 to \$2.50. Long Distance Kingdon Phone, Crevet 477. Terms Cash. J. W. DUNFORD, Clayton, St. Louis Co., Mo.

FIRST SALE IN SIGHT

Tuesday, March 17th, at noon (St. Patrick's Day), which will consist of freshly imported *ROSES, CONIFERS, RHODODENDRONS, SHRUBBERY, BULBS, ROOTS, Etc.*, at 201 Fulton St., New York. **W. ELLIOTT & SONS**



HARDY PLANT NOTES

Epimediums.

The genus *Epimedium*, generally speaking, is a race of plants not very much known, yet it comprises some of the most distinct and interesting of hardy Spring flowering border subjects that can be grown. There are numerous species and varieties, but much confusion, or ignorance, is apparent as regards getting them true to name and, in many instances, true to description. Sometimes in ordering one species or variety, even from three different sources, one will receive three different things and all under the same name, so great seems to be the confusion. But all of them are worthy of general culture and of being more extensively known and grown than they are. They commence to bloom from the middle to late Spring, earlier or later according to latitude, just before or with the appearance of the dainty frill-looking foliage. The flowers in their varied forms and varieties run through different shades of yellow, rose, lilac, red, and white; they are all extremely interesting, fascinating and pretty, and are as quaint and charming as some of the choicest orchids. They are almost too frail to use as cut flowers, but make exceedingly fine pot plants, especially when good-sized pieces are used for this work.

At the first unfolding of the foliage, which is produced on thin, wiry stems, it assumes a beautiful green tint which soon changes to delicate bronze and green; sometimes even the young foliage assumes a delicate bronze from the start, as in the case of *Epimedium rubrum*, the varietal name referring to the leaves, which, as before stated, are at first delicate light green soon turning coppery red and then a beautiful bronze, in which state they stand well into the months of Winter. In milder climates, they keep in this condition until supplanted by new foliage the following Spring. The leaf stems when mature are exceedingly wiry, and the leaflets on the stem are hard and vary in number from two to nine on a stem, making them very useful for cutting for associating with other flowers, which they will long outlast and still be good and fresh; in fact, the plant has the most durable foliage for cutting of anything I know of, and is as pretty as many of the hardy ferns for small bouquets.

The culture of these plants, if European guides are set aside, is very simple. Nearly all European writers, tell us they need sandy loam and peat, etc. These are not really necessities; the writer has grown thousands of epimediums without a single shovelful of either, but he does not deny peat would be very beneficial in conserving moisture in our dry climate and also add to the beauty and growth of the plants. Any good open rich soil will meet their requirements, and so much the better if partial shade can be afforded them. The writer knows of a bed that has been planted for ten years, which is overshadowed by a row of Norway maples; the bed itself, some 75 feet

long and 5 feet wide, is not more than 8 or 10 feet away from the base of these trees, the roots of which come up to the surface of the soil, and the epimediums share with the maples the common struggle for existence in a surprisingly marvelous manner, flowering beautifully each season and making one perfect mass of green and bronze foliage completely covering the surface of the soil. For best results, however, this is not an ideal spot; but it is mentioned simply to show how just such places can be utilized and converted from troublesome eyesores into permanent spots of grace and beauty.

These plants can be successfully grown in semi-shady places in any good herbaceous border or shrubbery, or on the rockery where the necessary shade may be afforded by some taller plant or shrub overhanging or perpendicular rock; and if moisture can be supplied during dry periods, or if they can be planted where naturally moist conditions exist, so much the better. They are all hardy and mostly natives of Japan, China, the Himalayan and Caucasian mountains. All are easily propagated by division of the short, stocky underground rhizomes, nearly every piece of which will grow. Although the rhizomes grow into dense matted masses and apparently spread in every direction, it is not advisable to divide them too close, as being small growing plants, not attaining more than 12 to 18 inches in height with us, they take too long to recover and grow into nice plants again, and look thin and weak for two or three years from too close division.

Epimedium macranthum and its varieties are the finest members of this handsome genus. As found in the American trade the flowers are pure white and the foliage abundant. *E. violaceum* has larger flowers, with violet spurs; while *E. lilaceum* is shaded lilac; *E. pinnatum* is bright yellow; *E. sulphureum*, light yellow. There are many other varieties, only varying somewhat in shades of color and habit similar to those named. *E. alpinum* is very distinct, being a dwarf grower, only reaching from 6 to 9 inches in height, with gray-crimson and yellow flowers.

Although I have strongly recommended the foliage of these plants as being useful for cutting, I would not advise their being badly stripped of all their foliage. Nature has abundantly supplied them in this respect to shelter and protect the tips of the rhizomes during the Winter. These lie very near the surface of the soil; in fact, sometimes right on the surface, and as these tips form the embryo of the leaves and flowers for the coming Spring show, they thus need the protection the foliage gives them. By cutting we rob them of their natural protection; therefore we must make amends for this by supplying them with a slight covering, and if this is in the nature of peat or well-decayed manure that can be worked in over the rhizomes, so much the better. Although they can be removed at any season of the year with good success, I think Fall or very early Spring is the proper time to move or secure them to obtain best and quickest results.

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Chinese Sacred Lily	Lawns	Tomatoes, Outdoors
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Wholesale Prices of Cut Flowers, New York, March 4, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special...	30.00 to 35.00	Carnations	Int'r grades, all colors.....	.50 to .75
	extra	20.00 to 25.00		White	1.00 to 1.50
	No. 1	10.00 to 15.00		Pink	1.00 to 1.50
	No. 2	6.00 to 8.00		Red	1.00 to 1.50
	No. 3	2.00 to 4.00		Yel. & Var.	1.00 to 1.50
	Bride, Maid fancy-special...	6.00 to 8.00		White	1.50 to 2.00
	extra	5.00 to 6.00		Pink	1.50 to 2.00
	No. 1	3.00 to 4.00		Red	1.50 to 2.00
	No. 2	2.00 to 3.00		Yel. & Var.	1.50 to 2.00
	Golden Gate	3.00 to 10.00		NOVELTIES	2.00 to 3.00
	RICHMOND	3.00 to 15.00		GARDENIAS, per doz.	1.00 to 3.00
	Mme. Abel Chatenay	3.00 to 10.00		LILAC, per bunch	.50 to .60
	ADIANTUM	.50 to .75		LILIES	6.00 to 10.00
	CHOEANUM	1.00 to 1.50		LILY OF THE VALLEY	1.00 to 2.00
	ASPARAGUS	25.00 to 50.00		MIGNONETTE	3.00 to 6.00
	Plumosus, bunches	15.00 to 25.00		LILAC, per bunch	1.00 to 1.50
	Sprengerl, bunches	15.00 to 25.00		NARCISSUS (Paper White)	1.00 to 1.50
				Yellow	1.00 to 1.50
				POETICUS	1.00 to 1.50
	CALLAS	6.00 to 8.00		SMILAX	8.00 to 12.00
	CATTLEYAS	35.00 to 50.00		VIOLETS	.25 to .50
	CYPRIPEDIUMS	5.00 to 8.00		CORNFLOWERS	1.00 to 1.50
	DAISIES	2.00 to 3.00		CHRYSANTH. ROMAN	.50 to 1.00
	FREESIA, per bunch	.10 to .20		SWEET PEAS (per doz. bunches)	.75 to 1.00
				TULIPS	1.00 to 2.00

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Cincinnati.
Trade and News Notes.

Business during the past week has been very quiet, and stock of all kinds is accumulating, carnations especially. The bottom has fallen out; but, taking February as a whole, the business done will equal that of last year.

B. P. Critchell and C. J. Olmer are recovering slowly from their severe illness and expect to be able to attend to business again soon.

William Pittmann and son of New Castle, Ind., were callers February 27, on their way home after spending three weeks in Florida.

The firm of Leo Weltz Sons, by mutual consent, has dissolved partnership, Fred Weltz retiring. Trebor Weltz and son Charles will continue the business under the old name; Wilmington, O., is their location. Fred and Jack will continue the nursery business.

H. H. Ritter and John Bochner of Dayton, O., were in the city, February 28, attending the Scottish Rite reunion. Mr. Fisher, also of Dayton, who is in the employ of Mr. Bochner, was a caller February 25.

William Murphy has rented his green-houses to his son and son-in-law, and will give all his time to the commission business.

Albert McCullough is in Florida on his annual fishing trip.

The Groeks are certainly slaughtering carnations on the street, but, at the present stage of the business I guess it cannot be helped.

February 29 will return in four years and we hope the nation will be in better shape by that time and more prepared.

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SHAMROCKS, 2 1/2 in. pots, \$10.00 per hundred. GREEN CARNATION DYE, \$1.00 per package, makes enough liquid to dye 300 Carnations. For the coming week, special price on VALLEY, our best at \$3.00 per hundred.

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Baltimore.
Trade Notes.
Retailers as a whole are satisfied with business conditions and smaller profits; the growers, however, are anything but pleased with the rather poor prices obtained, considering the good quality of the stock produced. There is, however, too much of it on the market. J. J. Perry, manager of the Florists' Exchange, has his troubles these days and it is surprising and much to Mr. Perry's credit how he gets rid of surplus stock. The street pedler is more active than ever before and he plays a conspicuous part in the movement of cut flowers, especially carnations.
The Fernery has gone into the hands of receivers.
General F. C. Latrobe is now the president of the park board and G. W. Williams was appointed a new member.
On Saturday night the strong Govans-town howling team was defeated for the first time by the Baltimore Gardeners' Club team; it was a close and exciting contest. The losers furnished the oyster supper.
Wm. Fisher, Sr., for 50 years the gardener and manager of the W. H. Buckler country home grounds, died on Saturday, February 29, aged 76 years. Mr. Fisher was originally employed by Mr. Buckler's father, and lived in a pretty home on the estate. A large family and many friends mourn his loss.
C. L. S.

Wholesale Prices of Cut Flowers—Per 100

Boston Mar. 3, 1908	Buffalo Mar. 2, 1908	Detroit Mar. 2, 1908	Cincinnati Mar. 1, 1908	Baltimore Mar. 2, 1908	Milwaukee Mar. 2, 1908	Philadelphia Mar. 2, 1908	Pittsburg Mar. 2, 1908	St. Louis Mar. 2, 1908
30.00 to 50.00	30.00 to 50.00	to	to 40.00	to	to 25.00	60.00 to 75.00	to 50.00	20.00 to 25.00
10.00 to 30.00	20.00 to 30.00	25.00 to 35.00	to 30.00	to	18.00 to 20.00	40.00 to 60.00	30.00 to 40.00	12.50 to 15.00
4.00 to 10.00	10.00 to 15.00	20.00 to 25.00	to 20.00	to	12.50 to 15.00	20.00 to 30.00	15.00 to 20.00	6.00 to 10.00
2.00 to 4.00	4.00 to 10.00	6.00 to 18.00	to	to	4.00 to 8.00	6.00 to 20.00	5.00 to 8.00	2.00 to 5.00
8.00 to 10.00	to 10.00	10.00 to 12.00	5.00 to 6.00	8.00 to 10.00	to 8.00	10.00 to 12.00	to 12.00	6.00 to 8.00
6.00 to 8.00	5.00 to 10.00	8.00 to 10.00	3.00 to 4.00	7.00 to 8.00	to 6.00	8.00 to 10.00	to 10.00	4.00 to 5.00
4.90 to 6.00	to 6.00	6.00 to 8.00	2.00 to 3.00	6.00 to 7.00	to 4.00	6.00 to 8.00	6.00 to 8.00	2.00 to 3.00
2.00 to 4.00	3.00 to 4.00	4.00 to 6.00	to	4.00 to 6.00	to 3.00	3.00 to 5.00	to 4.00	to
to	to 8.00	to	to	5.00 to 10.00	to 6.00	3.00 to 10.00	6.00 to 8.00	2.00 to 3.00
to	to 6.00	to 12.00	to	to 10.00	to 4.00	8.00 to 10.00	to 8.00	to
to	to 4.00	to 7.00	to	to 6.00	to 4.00	8.00 to 10.00	to 8.00	to
to	to 1.50	to 2.00	to	to 1.00	to 2.00	1.50 to 2.00	to 1.50	to 1.00
1.00 to 2.00	2.00 to 2.50	2.00 to 2.50	to 2.00	2.00 to 2.50	to 2.00	1.50 to 2.00	to 1.50	to 1.00
1.00 to 2.00	2.00 to 2.50	2.00 to 2.50	to 2.00	2.00 to 2.50	to 2.00	1.50 to 2.00	to 1.50	to 1.00
1.00 to 2.00	2.00 to 2.50	to	to 3.00	2.00 to 2.50	to 3.00	2.00 to 2.50	to 2.00	1.50 to 2.00
2.00 to 3.00	3.00 to 4.00	to	to 3.00	3.00 to 4.00	to 3.00	5.00 to 2.00	to 2.00	1.50 to 2.00
2.00 to 3.00	3.00 to 4.00	to	to 3.00	3.00 to 4.00	to 3.00	5.00 to 2.00	to 2.00	1.50 to 2.00
2.00 to 3.00	3.00 to 4.00	to	to 3.00	3.00 to 4.00	to 3.00	5.00 to 2.00	to 2.00	1.50 to 2.00
4.00 to 5.00	to	to	to	to	to	5.00 to 2.00	to 2.00	1.50 to 2.00
.75 to 1.00	.50 to 1.00	1.50 to 2.50	to 1.00	to 1.00	to 1.00	1.00 to 1.50	to 1.25	to 1.25
to 50.00	50.00 to 60.00	to 50.00	to 35.00	25.00 to 30.00	20.00 to 30.00	50.00 to 50.00	50.00 to 50.00	50.00 to 50.00
to 50.00	10.00 to 20.00	to 50.00	to 25.00	25.00 to 30.00	20.00 to 30.00	35.00 to 50.00	40.00 to 25.00	75.00 to 75.00
8.00 to 10.00	6.00 to 12.00	12.50 to 15.00	to 12.00	8.00 to 12.50	12.50 to 18.00	8.00 to 12.50	8.00 to 10.00	8.00 to 10.00
to 1.00	to	to	to	to	to .50	1.50 to 2.00	1.00 to 3.00	.50 to 1.00
to	to	to	to	to	to	to	to	to
5.00 to 10.00	10.00 to 15.00	12.50 to 15.00	12.00 to 15.00	10.00 to 12.50	12.50 to 18.00	10.00 to 12.50	10.00 to 15.00	to
2.00 to 4.00	2.00 to 4.00	3.00 to 4.50	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	1.60 to 4.00	2.00 to 4.00	2.00 to 3.00
2.00 to 4.00	2.00 to 4.00	to	to	to	2.00 to 3.00	1.50 to 4.00	2.00 to 4.00	4.00 to 5.00
to	to 15.00	15.00 to 20.00	to 12.50	15.00 to 20.00	to 15.00	12.50 to 20.00	10.00 to 15.00	to 12.50
.35 to .50	.40 to .75	1.00 to 2.00	.25 to .50	.50 to .75	.50 to 1.00	.25 to 1.00	.25 to .75	.20 to .25
to	to	to	to	to	to	to	to	to

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Can furnish at short notice. Price according to quality of goods. Long Distance Telephone 627 and 628

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LIMA, O.—Gilman D. Baltzell, who was employed for a number of years by the Lima Floral Company, died at his home, 828 East North street, February 17. He was born near Rockford, O., March 23, 1864. A widow, two brothers and two sisters are left to mourn his loss. Deceased was for a number of years an influential member of the Ohio City I. O. O. F. lodge.

DERRY, N. H.—William J. Kingsbury has engaged the services of William Ferguson, formerly of Groveland, Mass., to have full management of his greenhouse on Franklin street. He was the man who laid out Canobie Lake park and has done much landscape and garden work.

Nahant, Mass.
Thomas Roland does an extensive business. A choice line of pot-grown plants for Easter at present fills several large houses. A new house especially for Easter lilies was nearing completion. Mr. Roland grows about 10,000 of these. Crimson Rambler and Lady Gay roses are grown extensively. They are trained in the pots into many pleasing forms—basket shapes with tall handles and large flaring tops that completely obscure the pots seemed to have preference. It takes much care and lots of room to grow this stock. A house of bougainvilleas looked in splendid condition and will be right for Easter. A couple of houses of hydrangeas were also in promising condition for immediate blooming. Otahete oranges are grown in large numbers, as are acacias, ardisias and other hard-wooded stock. Campanula media seemed to be quite a favorite; several hundred large pots of it filled a couple of houses. Mahonia odorata makes a nice pot plant when well grown and trained into a shapely appearance. Marguerite Queen Alexandra also filled a portion of one of the greenhouses; they will be in fine condition a little later. Mr. Roland has a nice display of cyclamen; those on hand now are reserved for seed. These plants are in 10-inch pans, are only 15 months old and have over 200 well developed flowers to the plant. Besides all this stock a couple of houses are devoted to Begonia Gloire de Lorraine; about 50,000 are grown annually. A visit to the Roland place is always of interest to the growers of potted plants. Mr. Roland has a commodious automobile for the purpose of carrying his stock to the Boston stores and various markets around his vicinity.
J. M.

March 7, 1908

ESTABLISHED 1894

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 DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS
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VIOLET CULTURE
 Price, \$1 50 Postpaid
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LANCASTER, PA.—We regret to learn of the illness of Mrs. Albert M. Herr, which has necessitated her removal to a hospital, where, at last accounts, she was progressing favorably. We hope for her speedy restoration to health.

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Wholesale Prices of Cut Flowers, Chicago, Mar. 4th, 1908
 Prices quoted are by the hundred unless otherwise noted

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American Beauty			STANDARD VARIETIES	White	1.00 to 2.00
36-inch stems.....per doz.	4.00 to 5.00		Pink	1.00 to 2.00	
30-inch stems....."	2.00 to 3.00		Red	2.00 to 3.00	
24-inch stems....."	1.00 to 2.50		Yellow & var.	1.00 to 3.00	
20-inch stems....."	1.00 to 1.50		*FANCY	White	2.00 to 3.00
18-inch stems....."	1.00 to 1.25		The highest grades of Sta'd varieties.	Pink	3.00 to 4.00
12-inch stems....."	1.00 to .75			Red	2.00 to 3.00
8-inch stems and shorts "	1.00 to .50		NOVELTIES	Yellow & var.	1.00 to 2.00
Bride Maid, fancy special...	8.00 to 10.00		LILAC, white, per bunch.....		1.00 to 1.50
" extra.....	6.00 to 6.00		LILIES, Harrisil.....		10.00 to 12.00
" No. 1.....	4.00 to 4.00		CALLAS.....		1.00 to 2.00
" No. 2.....	3.00 to 3.00		SMLAX.....		10.00 to 12.00
Golden Gate.....	6.00 to 10.00		LILY OF THE VALLEY.....		1.00 to 3.00
Uncle John.....	6.00 to 10.00		HARDY FERNS per 1000.....		1.00 to 2.00
Liberty.....	6.00 to 12.00		GALAX (green).....		1.00 to 1.00
Richmond.....	10.00 to 20.00		" (brnze).....		1.00 to 1.00
Killarney.....	4.00 to 10.00		MIGNONETTE.....		1.00 to 3.00
" extra.....	12.00 to 15.00		VIOLETS, double New York.....		.25 to .45
Perle.....	4.00 to 10.00		" local double.....		.25 to .65
Chatenay.....	4.00 to 10.00		" single.....		1.50 to 2.00
K. A. Victoria.....	4.00 to 10.00		NARCISSUS.....		1.50 to 2.00
Mrs. Marshall Field.....	1.00 to 1.50		ROMANS.....		1.00 to 1.25
ADIANTHUM.....	1.00 to 1.50		SWEET PEAS.....		1.00 to 3.00
ASPARAGUS, Plum. & Ten.....	.35 to .50		TULIPS.....		1.00 to 2.00
" Sprenger, bunches.....	.35 to .50				1.00 to 2.00
Orchids—Cattleyas.....	40.00 to 50.00				1.00 to 2.00
CYPRIPEDIUMS.....	1.00 to 1.50				1.00 to 2.00
	1.00 to 1.50				1.00 to 2.00
	1.00 to 1.50				1.00 to 2.00

Violets Vaughan & Sperry
 58-60 Wabash Avenue
CHICAGO, ILL.

Chicago.
News of the Week.
 The storm of Saturday and the resulting state of the streets on Sunday and Monday played havoc with the retail florists' business. Large stocks of flowers, much larger than usual, owing to the low prices existing in several lines, became factors in losses rather than profits. One or two peddlers on State street did a land office business on Sunday afternoon without police interference.
 While most of the wholesalers report a great falling off in the demand from New Orleans for flowers for the Mardi Gras festival, J. A. Budlong's usually large business was almost double that of last year for the same occasion.
 Jensen & Dekema are busy potting up rooted cuttings of W. N. Rudd's new white seedling carnation. About 8,000 plants are already potted, and about 9,000 more will be put in shape for benching. The variety, which is yet unnamed, is full of promise, and seems destined for acceptance as a very profitable commercial sort. It will go out next December.
 The A. L. Randall Company is handling a big stock of Japanese air plants. Retailers very generally are using them as decorations for window stocks of flower vases and other receptacles, as well as for trimmings.
 The Chicago Florists' Club will meet

CHAS. W. MCKELLAR
ORCHIDS
 FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS
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of the next ten days, their buds at present promising a beautiful new crop. Vaughan & Sperry are getting daily shipments of forget me not and some fine sweet peas.
 H. R. Hughes, Van Buren street, is preparing to stage in his exhibition window a display typical of St. Patrick's Day, which will be made in his usual good style.
 St. Patrick's Day is already being heralded by the retailers. In many windows small pots of shamrock are already seen, and the green carnation is largely in evidence. J. H. Parren.

St. Louis.
News Notes.
 Albert T. Hey, president, and J. P. Ammann, secretary of the Illinois State Florists' Association, visited Belleville, Ill., the past week and spent a day with the florists of that city. They report an enjoyable time.
 The local growers are very busy preparing their Spring-blooming plants for the flower show which takes place next week. Among them are A. Jablonsky, Koenig Floral Company, H. Felter, George Windler, C. C. Sanders, Emil Schray and C. Young and Sons Company. These firms will also be well supplied with fine Easter stock.
 At Kuehn's place everything is upside down and it looks as if he has begun early Spring cleaning.
 The Florists' Club will hold its last meeting in the old quarters next Thursday afternoon. This will also be the annual rose show. The trustees say they have secured a new hall in a good location, and will report at this meeting. Refreshments will be served.
 The executive committee of the Horticultural Society is working hard so as to have everything in readiness for the Spring flower show, which takes place next week, Tuesday, Wednesday and Thursday. The entries are coming in satisfactorily and a successful exhibition is looked for. ST. PATRICK.

Indianapolis.
News Items.
 Indianapolis florists, thirty in number, visited the various growers at Richmond, February 26. No city in the Middle West can offer more of interest to the growers than Richmond. All Indiana hospitality, too, originated with this lot of expert hustlers, so the outcome of the visit is not a difficult hypothesis.

Sarah Hill, at Charles Knopf's, carried off the honors in the carnation line as comment upon it afterward evidenced. Several other seedlings at this place are very promising.
 Rhea Reid rose, at E. G. Hill & Company's, is now in fine form, and is much more beautiful when seen growing than at any other time. The other new roses permit all sorts of fancy dreams to haunt the minds of visitors, as there are several which will usurp the positions of those now in commerce.

Grave's ranges of roses and carnations retain their high-grade appearance, as do those of Gause & Company.
 John A. Evans, Gurney Hill, Fred. Lemon, Charles Knopf, Sidney Smith, John Grande and others helped make the occasion a memorable one.
 The State Florists' Association of Indiana held an important meeting in the State House horticultural rooms March 1.
 Tomlinson Hall market reports a quiet business. Many of the retailers are at this time able to supply their own material and the retail trade is hardly able to overcome the heavy receipts.
 Robert Ellis and wife visited Richmond last week.
 It is the intention of the Park Board to erect new propagating houses at Garfield Park.
 Visitors: Mr. Ricker, New York, and C. Sekes of A. Dietsch Company, Chicago. E. B.

SOUTH BEND, IND. James H. Oliver, the inventor of the "chilled plow," died on Monday, March 2, 1908. He was born at Roxburgh, Scotland, August 28, 1823. The plant of the concern now covers 32 acres, and 5,000 men are employed.
WACO, TEX. Miss Annie Wolfe, an associated member of the firm operating the business of the Cleveland Nursery, was married on Wednesday, March 4, to John H. Brigance. The wedding took place at the home of the bride's mother.

Henry M. Robinson & Co.

Wholesale Commission Florists

Hardy Cut Evergreens and Florists' Supplies

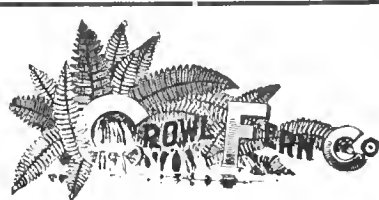


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GREEN GALAX, best quality \$7.50 case of 10,000.
DAGGER and **FANCY FERNS**, \$1.50 per 1,000.

Laurel Festooning, Boxwood, Sphagnum and Green Moss, Southern Wild Smilax Leucothoe Sprays, etc.



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Send us your orders and be pleased. **LEUCOTHOE SPRAYS**, bronze or green, 40c. per 100. **Ground Pine**, 7c. per lb. or 6c. per yard.

CROWL FERN CO., MILLINGTON, MASS.

HARDY CUT FERNS

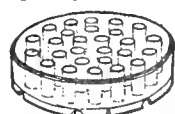
FANCY and **DAGGER**. Extra fine, \$1.75 per 1000. **BRONZE** and **GREEN GALAX**, \$1.25 per 1000, \$7.50 per 10,000. **LEUCOTHOE SPRAYS**, \$1.00 per 100; \$7.50 per 1000. **SPHAGNUM MOSS**, extra large bales, per bale, \$1.25. **BOXWOOD**, per bunch, 35c.; 50 lbs., \$7.50. **FANCY** and **DAGGER FERN** our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

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Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and Decorative Greenery
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A handy article for florists. Sells to the trade on sight. Made of glass in three sizes.

The "Anglais" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

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Ever Ready Covers
Made of Waterproof Crepe Paper on a Card-board frame, tied neatly with wood fiber ribbon. Send 30 cents in stamps and we will send you covers that will fit a 6-inch stand and pot, a 7-inch azalea pot and an 8-inch pan, with our illustrated booklet and price list. W. H. Grever, Mgr. Ever Ready Flower Pot Cover Co., 86 Hughes Ave., Buffalo, N. Y.

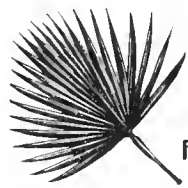
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BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS
E. A. BEAVEN, Evergreen, Ala.

WIRED TOOTHPICKS

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Boston.

Club Meeting.

The members of the Gardeners and Florists' Club, two hundred strong, turned out to the great carnation night and to listen to the expert grower, W. R. Pierson of Cromwell, Conn., on Tuesday evening. Mr. Pierson gave one of the most practical talks ever heard in Boston, and during the discussion which followed he was ever ready with an answer on whatever problem a member might ask information. The discussion lasted for some time and many prominent growers took part. Among the important facts brought out Mr. Pierson classed as the best six carnations, Winsor, White Perfection, Beacon, Enchantress, White Enchantress, and Rose Pink Enchantress. During the evening M. A. Patten, president-elect of the American Carnation Society, was called upon and made some interesting remarks on how he had seen carnations grown in the West, and urged as many as possible to prepare to attend the Indianapolis convention next year.

There were on the tables the largest number of exhibits ever seen at a club meeting, some thirty vases of carnations being shown in as many varieties. The committee on these exhibits after a careful examination made the following awards:

Reports of superior merit to William Nicholson, for carnation Afterglow; to A. Roper, for carnation Bay State and to A. N. Pierson, for the cultivation of Adiantum Farleyense. Honorable mention to E. B. Beale, Springfield, for seedling carnations; John N. May, Summit, N. J., for seedling white carnation No. 20; J. D. Cockeroff, Northport, L. I., for carnation Harvard; Patten & Company, for seedlings No. 46-205 and 133; John Barr, for seedling pink carnation; Peter Fisher, for carnation Mrs. Tom Harvey; Wa-No-Ka Greenhouses, for carnations Wa-No-Ka and Climax; A. Roper, for pink seedling No. 1000; H. A. Stevens, for crimson seedling; H. A. Jahn, for carnation Lloyd and crimson seedling; Mrs. J. P. Snow, for carnation Andrew Carnegie; E. A. Wood, for seedling No. 409; Wm. Downs, for vase of Bougainvillea glabra of extra fine color; Fred. H. Kramer, for vase of new

rose Queen Beatrice, and to Jos. Fuller, for new double lobelia.

Votes of thanks were given to John Cook for vase of new rose, My Maryland; J. Flood & Company, for vase of carnation Beacon; Peter Fisher, for carnations Beacon and Winsor; A. N. Pierson, for vases of Queen Louise and White Perfection; P. J. Melia, for vases of Mrs. T. W. Lawson and Fair Maid, and to D. Finlayson, for plant of Platyclinis glumacea and vases of scabzanthus.

News Notes.

At Horticultural Hall on Saturday the lecturer was Robert Craig of Philadelphia, who gave a very able paper on "The Private Gardener." There was a fair attendance, and the various pointers on what the private gardener was and could be, as stated by the lecturer, were appreciated by all present.

R. & J. Farquhar & Company, exhibited the new rose Tausendschon before the Massachusetts Horticultural Society on Saturday and received honorable mention for the same.

The growers connected with the Music Hall market held quite an exhibition in their hall on Saturday. While no prizes were offered, the exhibits were exceedingly fine. Carnations were exhibited by A. Porter, D. Carmichael, A. Roper, John Poote, J. H. Leach, L. Smith, L. Small, John Barr, the Lewis Conservatories and A. Bateley & Son. Roses were shown by Robert Montgomery and by John McFarland, who also staged some fine lily of the valley. Violets were exhibited by Malcolm Orr, J. Cummings, G. W. Ayer and M. B. Dallachie.

Daniel Bliffe, the greenhouse heating man, has a new ventilating opening arrangement, which works on the endless cable plan, that he was showing to the growers in the Park street market on Saturday. This is a strong and simple method of opening and closing ventilators, and was highly thought of by many who examined its workings.

The attraction in W. E. Doyle's Boylston street store window the past few days has been the large vase of Killarney roses which won the silver cup at the Park street exhibition.

The A. T. Stearns Lumber Company notwithstanding the cries of hard times have more orders for greenhouse lumber than ever before at this season and their mills will be kept hustling for some time to come. They have just completed a contract with a New Jersey grower for lumber for several large modern houses.

The Waban Rose Conservatories, which have been working up a stock of their new rose White Killarney, have just sold the half interest in this variety, which will be disseminated next year, to the F. R. Pierson Company, Tarrytown, N. Y.

Among the exhibits at the Flower Market show on Saturday was a vase of carnation Lucille from Fritz Bahr, Highland Park, Ill., and staged by Welch Brothers, which stood up well considering its long journey.

A new store has been opened at 689 Boylston street in the Back Bay district by Collins & Roberts.

The Gardeners and Florists' Club intends to have its annual banquet on April 1. The date had been set for March 25, but it was found that that date conflicted with the arrangements of members who might wish to attend the American Rose Society's convention or the executive committee meeting of the S. A. F. O. H. J. W. DUNCAN.

TARRYTOWN, N. Y.—The regular monthly meeting of the Horticultural Society was held on Friday evening, February 28, 1908. The executive committee reported that the following dates had been arranged for the annual exhibitions: Summer show, June 14; Fall show, November 4, 5 and 6. An invitation was read from the Monmouth County Horticultural Society to attend its fourth annual dinner at Red Bank, N. J., on March 3. C. M. Atkinson, Irvington, N. Y., was elected an active member. Robert Scott & Son, Sharon Hill, Pa., sent their new rose Mrs. Jardine, which after a severe and critical examination was awarded a certificate of merit. "Rose Growing Under Glass" was the subject for the evening; the discussion was opened by Joe Mooney and participated in by many members. Next meeting "Cyclamens" will be discussed. L. A. MARTIN.

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European Agents for THE AMERICAN CARNATION

Jacksonville, Fla.

A recent issue of the Times-Union contained an illustrated account of the plant of C. D. Mills, florist, from which we make the following extracts:

Mr. Mills, who is recognized as one of the leading and most enterprising citizens of Jacksonville, has been a resident of Duval county for 21 years. For a number of years he conducted a grocery and a nursery in the county. He removed to Jacksonville thirteen years ago and joined with Mr. Wachter in the greenhouse business, under the firm name of Mills & Wachter.

Their combined capital was \$500 and they began operations on leased ground, starting with one small greenhouse 20 x 60 feet. After about three years of partnership, Mr. Mills became the owner of the business and the property. Since that time he has built up rapidly and accumulated considerable valuable real estate, which he has greatly improved. The principal plant is located at the corner of East Eighth and Hubbard streets and covers seven lots, facing Eighth street, Hubbard street and Seventh street.

A visit to this magnificent greenhouse plant will be found intensely interesting, as it combines nine greenhouses, the violet garden, the palm house and vegetable gardens, besides the handsome new residence and beautiful grounds of Mr. Mills.

Starting with a small greenhouse, 20x60 feet, the next addition was 9x50 feet and this was followed at intervals by two greenhouses 11x60, one 11x150, one 20x140 and two 30x140. The last to be added was a magnificent rose house 33x200 feet, which is planted with roses of the best and newest varieties.

In 1906 Mr. Mills had erected a handsome residence at the corner of Eighth and Hubbard streets. The grounds surrounding the house and in front of the greenhouses on Eighth street are the most beautiful in the city, every variety of palm, evergreen, hedge and shrubbery being represented and the general effect is most pleasing to the eye.

Mr. Mills owns a nice piece of land at the corner of Oak and Osceola streets, in Riverside, on which is a greenhouse 34x100 feet. On Evergreen avenue he has another piece of property, where he raises hedge plants and shade trees. Here are also located two greenhouses in which are grown Asparagus plumosus. At the corner of Tenth and Hubbard streets, Mr. Mills owns half a block of land, on which are located his stables. He has four teams and employs an average of twenty-five men to care for his various industries, look after his offices and salesrooms, deliver flowers and plants, etc. At 36 West Forsyth are located the convenient and tastily arranged showrooms and salesrooms of Mr. Mills.

Mr. Mills is a member of Solomon Lodge, F. & A. M., Jacksonville Lodge of Elks; he is Council Commander of Palmetto Camp, W. O. W., and has twice been a delegate to the Sovereign Council, once at Chattanoga and once at Norfolk; member of Washington Lodge, P. O. S. of A., and a member of the Board of Trade for ten years, having acted on several committees of this progressive organization.

Los Angeles, Cal.

News Notes.

The third annual Spring flower show of the Pasadena Gardeners' Association will be held April 2 to 4 inclusive. So far as the writer is aware, this association of horticulturists is the only one on this coast that has made exhibitions a success financially, and to the satisfaction of its patrons. As a rule, people attend flower shows to learn about plants and flowers, their habits of growth, their requirements to be successfully grown, and their names, all of which information these men have furnished to a sufficient extent to attract the public to their efforts to advance horticulture in this marvelously congenial climate for the growth of plant life. Their success is an example of what might be done in every community where there is a desire to make homes attractive, and the place inviting. The association is composed of men of moderate means, and the admission to its shows

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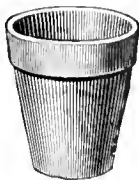
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- Over 40% Nicotine
By far the CHEAPEST.
Just Note Prices!
Pint \$1.50
1/2 Gallon 5.50
Gallon 10.50
5 Gallons 47.25



THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

has never been above 25 cents; yet they have always been able to meet expenses, and have a small balance in the treasury. The organization now has 100 members and holds a monthly meeting which is helpful to those who attend in acquiring a knowledge of the great range of plant life as it is grown here in the open. Subjects too tender to be grown in that way are given little consideration. The small area of glass in this section is devoted exclusively to growing roses and carnations, with a few maidenhair ferns and a small quantity of other stock for florists' use.

Saturday evening, February 22, eleven men, florists, seedsmen and growers, met at the store room of Morris & Snow and organized a society known as the Los Angeles Florists' Club. M. W. Morris was elected chairman. He appointed E. P. Reynolds, H. N. Gage, and the writer as a committee on permanent organization, and called the next meeting for Saturday, March 7, at the store of the Redondo Floral Company, 246 South Spring street, to which all interested in horticulture around this town are invited.

P. D. B.

Rochester, N. Y.

Florists Organize.

Last week there was organized here the Commercial Florists' Association of Rochester, with officers as follows: Fred. H. Vick, president; F. J. Keller, vice-president; George B. Hart, secretary and treasurer, with a meeting place at 24 Stone street. The objects of this association are social and instructive, the first bringing wholesalers, retailers, store and greenhouse men, in closer intimacy; secondly, the promotion of the general business welfare, by the reading of papers at meetings, tending to create discussion and interest in growers' and store men's problems. Also for the purpose of mutual help and instruction to create interest in the county and national floral and horticultural shows.

Last week Salter Brothers made a basket blanket entirely of violets with boxwood edging, size 61x52 inches.

A good demand was on for special and extra American Beauty; at times not enough could be had to go around. Lily of the valley this year seems to be a failure, and quantities of it can be procured at nominal figures, bordering on the ridiculous. The same is true of bulbous stock. Carnations maintain their equanimity at \$1.50 to \$2.50 per 100, as also do roses at, according to quality, etc. \$3 to \$6 per 100. Some short stem Harrisii lilies were on sale this week.

George Bennett, carnation grower, has sold his place to his brother-in-law, and soon will be occupying his new home on the boulevard. CORKNEY.

Emerald GREEN

CARNATION FLUID
For St. Patrick's Day

Green Carnations
USE AJAX FLOWER DYE.

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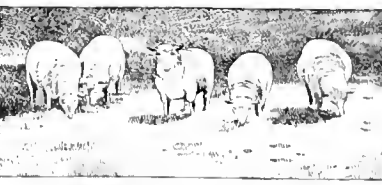
Standard Flower Pots

Packed in small crates (easy to handle)		Price per crate	
1500 2 1/2 in. pots in crate, \$1.20	1500 3 in. pots in crate, \$1.20	1500 3 1/2 in. pots in crate, \$1.20	1500 4 in. pots in crate, \$1.20
1000 2 1/2 in. pots in crate, \$1.00	1000 3 in. pots in crate, \$1.00	1000 3 1/2 in. pots in crate, \$1.00	1000 4 in. pots in crate, \$1.00
500 2 1/2 in. pots in crate, \$0.50	500 3 in. pots in crate, \$0.50	500 3 1/2 in. pots in crate, \$0.50	500 4 in. pots in crate, \$0.50
250 2 1/2 in. pots in crate, \$0.25	250 3 in. pots in crate, \$0.25	250 3 1/2 in. pots in crate, \$0.25	250 4 in. pots in crate, \$0.25
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The Best
BUG KILLER
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For PROOF Write to
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DREER'S SHEEP MANURE
(WIZARD BRAND)
FLORIST 100 lbs. \$1.75; 500 lbs. \$8.00
SPECIALTIES 1000 lbs. \$15.00. Ton, \$15.00.
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THE AMERICAN CARNATION
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Cattle Manure
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Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
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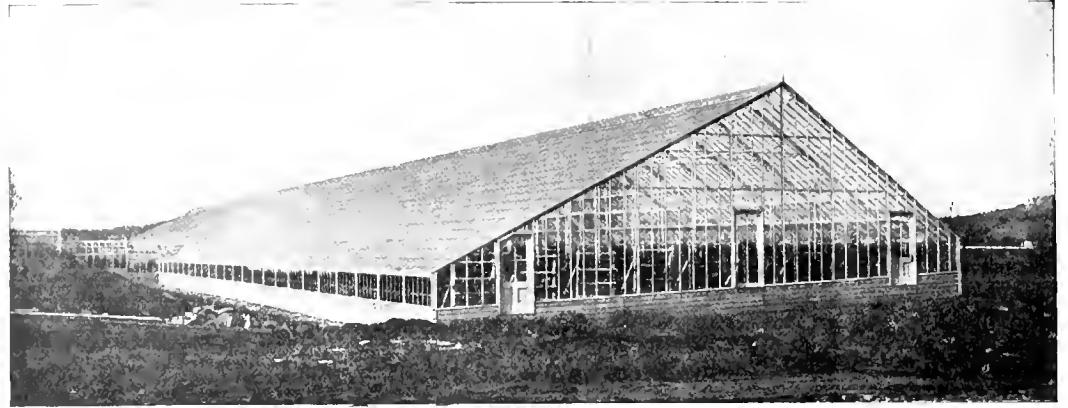
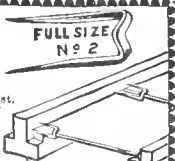
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SOME SEASONABLE GREENHOUSE FACTS

You know what Greenhouse builders sometimes say about themselves is taken with a grain of salt, but when a grower who has made a marked success of his business, makes a statement about constructions and comparative advantages of houses, you are interested at once. Some of you didn't see the article on the *Wide House Question*, published in the January '07 issue of *The Exchange*, so we have reprinted it. There is undoubtedly an increasing tendency among florists and vegetable growers to build extremely wide as well as very long houses. The object of this circular is to bring to your notice the views on the *Wide House Question*, of one of the successful growers of New Jersey, whose long experience as a grower with houses of all sizes entitles his opinions to serious consideration. While we can heartily endorse all Mr. Coddington says, still we generally advise houses in widths of from 30 to 40 feet, believing that, except in special cases, they better meet the growers' requirements.

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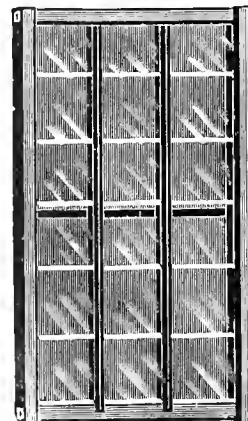
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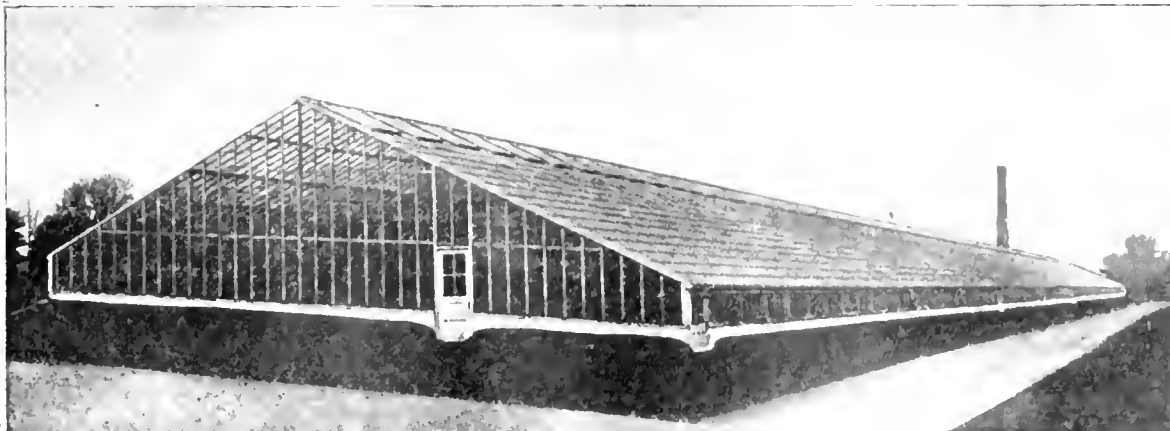
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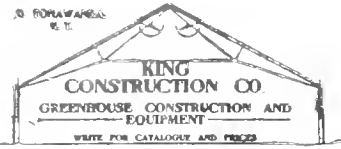
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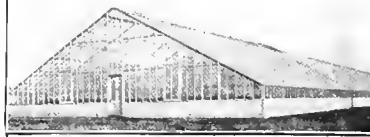
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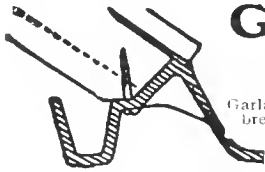
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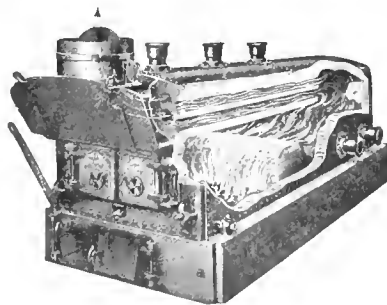
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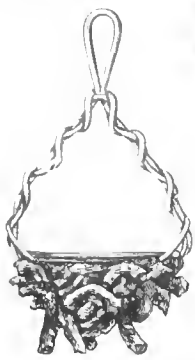
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Verbena Mammoth, In colors or mixed, 1/2 oz. 30c., oz. \$1.00. Salvia Splendens, 1/4 oz. 35c., oz. \$1.25.

Fresh Tobacco Stems, Bale of 300 lbs. \$1.50. W. C. BECKERT, Pittsburg, N. S. Pa.

PANSIES THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100;

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Kentia Forsteriana, March \$0.50 \$4.50 Kentia Belmoreana, March .50 4.00 Cocos Weddelliana, Immediate 1.00 7.50

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Vick Quality Asters

INTRODUCED BY US GROWN EVERYWHERE

- Vick's Branching (6 colors) Vick's Snowdrift Vick's Royal Purple Vick's Lavender Gem

SEND FOR OUR NEW Illustrated and Descriptive

Aster Book for Florists

It describes in detail, not only the varieties originating with us, but also all other leading sorts.

HOW TO GROW ASTERS, Revised Full of information for Aster Growers.

Price 10c. Free with an order of Aster Seed. FLORISTS' NOVELTY COLLECTION

- Six of our latest introductions including Sunrise (New) and Early White Branching (New) Price: Vick's Early White Branching \$0.25

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EVERY FLORIST OUGHT TO HAVE

Vick's Wholesale Catalogue which gives prices on all the best varieties of flower and vegetable seed; plants for greenhouse and outdoors; splendid assortment of bulbs.

JAMES VICK'S SONS ROCHESTER, N. Y.

The Leading Specialists and Largest Growers of High-Grade Asters in the World.



A HALF MILLION CALLA BULBS FOR SALE

CALLA ETHIOPICA BULBS, 7 to 8 inch circumference... \$65.00 per 1000

A. MITTING, 17 to 23 Kennan St., Santa Cruz, Cal.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

Gladiolus "America" FOR FORCING

Strong bulbs, \$60.00 per 1000. Florists' white and light, mixed, \$12.00 per 1000. Iris Kaempferi, named, \$60.00 per 1000.

JOHN LEWIS CHILDS, Floral Park, N. Y.

BIG 4 TOMATO

THE EARLIEST TOMATO KNOWN

Vines similar to the Dwarf Champion, standing well up from the ground; fruit purplish pink in color; will bear shipping equally as well as the Stone.

PLANTERS' SEED CO. SPRINGFIELD, MO.

Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

W. & D.'S SPECIALTIES FOR 1908 Tomato, "The Doan," best for forcing. Cauliflower, First and Best, Oolon, Ailsa Craig, Lettuce, "Ideal," unequalled for indoor purposes.

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CONTRACT SEED GROWERS Bean, Cucumber, Tomato, Pea, Muskmelon Squash, Watermelon, Radish, Sweet Corn

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ASTER SEED All the leading varieties Also FLORISTS' SEEDS for immediate planting H. E. FISKE SEED CO.

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PUREST STRAINS GARDEN PEA AND BEAN SEED FOR THE WHOLESALE TRADE ALPENA - MICH.

Onion Sets At Right Prices VAUGHAN'S SEED STORE, 14 Barclay St., N. Y.

HYDRANGEA and PRIVET CUTTINGS

HYDRANGEA CUTTINGS \$3.00 per 1000. PRIVET CUTTINGS \$1.35 per 1000. THE ELIZABETH NURSERY CO., ELIZABETH, N.J.

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal. Address all communications to our permanent address, 48 to 56 Jackson Street.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; P. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

CLINTON, WIS. - On Thursday, March 5, the L. L. Olds Seed Company's plant was destroyed by fire. Loss, \$50,000.

CINCINNATI, O. - The Chamber of Commerce directors have adopted resolutions against the proposed bill to "prevent adulteration and misbranding of seeds," on the ground that it would include transactions in grain.

CLEVELAND, O. - Huibert Keur, a wealthy tulip grower, has come from Hellegem, Holland, to testify in his suits against three local florists, now being heard in Judge Keeler's court. Keur is suing Henry Eickhoff, Frank E. Bowers, and Emil Heidenblau for sums totalling \$800, alleging he is unpaid for hyacinth, tulip and gladiolus bulbs shipped from his establishment.

BALTIMORE, MD. - Handlers of seed in Maryland are much exercised over the bill introduced into the Legislature by Mr. Duvall of Anne Arundel County, which it is pointed out, will practically prohibit the sale of seed in this State. The bill provides that the amount of germination and amount of impurities contained in a lot of seed must be guaranteed by the seller.

IMPORTS OF SEEDS, ETC., March 3. - G. W. Sheldon & Company, two bags seeds; W. Elliott & Sons, 10 cases plants; O. J. Smith, 30 cases plants; P. Ouyverkerk, 168 cases trees; Tice & Lynch, 11 cases plants; McHutchison & Company, 106 packages plants, six cases flower roots; C. B. Richard & Company, two cases plants; J. M. Thornburn & Company, six cases plants, Vaughan's Seed Store, seven cases plants; T. C. Pollock, 15 cases plants; G. W. Sheldon & Company, 56 cases plants; F. B. Vandegrift & Company, 27 packages seed, etc.; Maltus & Ware, 272 packages plants, March 4, Maltus & Ware, three cases bulbs; Vaughan's Seed Store, four cases bulbs, March 5, - J. E. Noll & Company, one barrel seed; Vaughan's Seed Store, one case seed, March 6, Peter Henderson & Company, four packages plants; O. G. Hempstead & Company, five packages plants, March 7, and S. Maltus & Ware, one case trees; S. D. Woodruff & Sons, two packages seed; H. E. Darrow, five packages seed, etc.; C. C. Abel & Company, 31 cases plants; McHutchison & Company, four cases plants; Kenney & Moon, one case plants; H. E. Darrow, 35 cases plants; F. B. Vandegrift & Company, five cases plants; C. B. Richard & Company, five cases plants, March 9, - H. E. Darrow, 40 packages seed; L. J. Spencer, 18 packages plants; D. W. Barrett, one package plants.

Seed Trade Notes.

A most decided and strong rush of orders started with the incoming of March, and every day since has seen a steadily gathering momentum of business in every branch of the seed trade. At this early season the weather always has a great deal to do with the volume of each day's business, especially with the cash over-the-counter sales. As regards the counter trade, last week was really the first time this season that what could be called active business materialized; the few pleasant days starting the market gardeners and other early planters in goodly numbers to the seed stores. With reference to the mail trade, it does not appear to be an easy matter to estimate its volume as compared with other years; several large mail order seedsmen that I have seen in regard to this matter, are not at all a unit of opinion, some claiming much increased orders, others the contrary. On the whole, I rather feel that our recent business panic has hurt the mail business for this season, and if the final figures show even an average trade done, we may consider ourselves indeed very fortunate. If we can only now have some good weather, even if the Spring is somewhat late, a very active volume of trade is assured.

I have several times lately called attention to the fact that the high rates for many standard varieties of vegetable seeds have tempted the growers to encroach heavily upon their seed stocks. The natural result of this will be that high prices for another season will be sure to rule. An average seed yield this Summer will not make rates much if any less than they are now; if, however, we should obtain one of those enormous seed yields that a few times in the past have reduced prices to the lowest ebb, we might overtake the demand, so to speak; but unless some such abnormal large seed yield should result from the 1908 crop, both here and in Europe, you will see high prices again next year, and probably longer.

At last the radical shortages in the sweet corn list are making themselves severely felt; the first thing a customer asks for, be he a dealer or planter, is sweet corn, and usually for Stowell's Evergreen, or Country Gentleman, or both. Either of these varieties could be sold, I am sure, at \$10 or \$12 a bushel. The demand for both of them would seem to be unlimited. The present market for these two favorite varieties is from \$6 to \$7 per bushel, if obtainable. The early sorts of sweet corn are not quite so scarce, and at \$3.50 to \$5 per bushel such sorts as Early Crosby, Early Cory, Early Minnesota, and Potter's Excelsior can still be obtained.

SEED CORN IN OHIO.—In all probability high-grade seed corn is scarcer in Ohio this season than for many years. The principal cause for this is of course the cold, wet growing season of last year, together with the cool, cloudy Fall. Had we had a different October and November, even, corn which did mature, or came close to maturity, would now be in very different seed condition. As matters stand great care must needs be exercised or 1908 will find Ohio with one of the poorest corn crops in years. Very many growers all over Ohio, and particularly in the northern half of the State, will have to buy their seed corn. Such growers are confronted with a serious question, namely: Will this purchased seed prove adapted to the new locality? The Ohio Experiment Station is offering some suggestions along these lines in Circular 74, which may be had, including instructions and record blanks for conducting germination test, by addressing Ohio Agricultural Experiment Station, Wooster, Ohio.

CLEVELAND, O.—The Home Gardening Association began last week its distribution of seeds in every public and parochial school in Cleveland. Vegetable as well as flower seeds are furnished by the association, at the uniform rate of a cent a package. Two sets of circulars have been sent out, one to the pupils and one to the principals and teachers; also a list of seeds. Last year—the record year in the history of the association—the school children of Cleveland bought 273,000 packets of seeds and 90,000 bulbs. It is hoped this record will be beaten this Spring.

The Wholesale Seedsmen's League and Plant Nomenclature.

A special meeting of the directors of the League, F. W. Bruggerhof presiding, was held February 18, consequent on the following communication received from Messrs. Dreer and Burpee:

"Philadelphia, Feb. 8, 1908.
"Mr. Burnet Landreth, Sec. Wholesale Seedsmen's League,
"Bristol, Pa.

"Dear Sir:—Through a misunderstanding, an unfortunate difference of opinion arose between our two houses as to the cataloguing of the 'Fordhook Bush Lima Beans,' which has been amicably adjusted; but, to prevent any confusion or difficulties of this kind in the future among the seed trade, both houses feel that the executive committee of your League should take up this question immediately, and endeavor to formulate a plan which shall control the naming, cataloguing and selling new varieties of seed, so that the proprietary rights of the original discoverer or introducer of such new varieties shall be recognized and protected in the best interests of the seed trade.

"Yours very truly,
"W. Atlee Burpee & Co.
"Henry A. Dreer, Inc."

At this special meeting there were passed the following resolutions:

"WHEREAS, The Society of American Florists as long ago as 1891 accepted the report of the Committee of Nomenclature on 'The Right to Pre-empt the Names of New Plants,' worded as follows:

"In the case of new species of plants, the first published botanical name takes precedence, but this publication must be technical and made in a recognized botanical or horticultural periodical or work, and not in a trade catalogue. In the case of florists' varieties, or garden varieties as they are more commonly termed, a botanical description is unnecessary, but the plant should be pointedly described, and the first authenticated name published, either in the way of reading matter or as an advertisement in a general horticultural or floral magazine or widely circulated trade catalogue, or officially noted when the plant is exhibited at some prominent horticultural exhibition, or before some regularly organized public body of horticulturists should be recognized as the true varietal name, and no matter should the same variety originate elsewhere, the originator in the second case must not disseminate his stock under any other than the original name.

"Recognizing the fact that the seed trade of America should have an established custom similar to that adopted by their kindred association, we, the board of directors of the Wholesale Seedsmen's League, at a meeting held in New York, February 18, 1908, unanimously adopt the following motions:

"Resolved, That as the business of growing, selling and distributing seeds has become such an important pursuit, it now seems absolutely necessary that those of us having the interests of the business at heart should recommend our fellow seedsmen to respect the energies and progressive methods of each other; and it is further

"Resolved, That the originator, discoverer, or introducer of a new variety of seed, grain or plant has the sole right of naming said variety, and that this name should be the one under which this variety is to be known in the trade thereafter, and the name not altered (except that it may be optional to leave off the name of the individual or firm, when used as a prefix) or changed in any way until it is absolutely demonstrated by continued selection the variety has been so improved or changed as to warrant its being given a new name.

"Resolved, That where a seedsmen spends time and money in search of new and distinct varieties of seeds, that it is his right to name any variety he may discover which has merit and which has not heretofore been catalogued or offered by the American seed trade.

"Resolved, That we, the board of directors of the Wholesale Seedsmen's League, hereby express our strong disapproval of the practice that has occasionally obtained with some dealers of offering under new names such varieties of seeds, or plants, which should be known only under the names given to them by their introducers; which original names may be fairly considered as trade marks, and the property of the originator or introducer.

"Resolved, That we hereby pledge the influence and the support of the Wholesale Seedsmen's League to the end that,

when introducers of newly discovered or improved varieties of seeds shall have disseminated the same under special names, they should be protected against unwarranted and unfair competition through the offering of these novelties by others under other names than those given to them by the originators or introducers.

"Resolved, That the secretary of the League be instructed to take up this subject with the American Seed Trade Association, with a view to having said association pass suitable resolutions at the next annual meeting in June, to the effect that every new variety of seeds, either vegetable, flower or grain, that may be introduced and catalogued hereafter by an American seedsmen should be registered under its proper name, with a full description and source of origin, with the secretary of either the Wholesale Seedsmen's League or the American Seed Trade Association, as may be decided upon after conference of committees to be appointed by the presidents of the two organizations, said joint committee being authorized to fix the amount of the nominal charge to be made to cover cost of such registration and attendant expenses. It is recommended that either said joint committee, or a special committee, be made a standing committee to consider all questions in dispute as to the naming of varieties, and if impossible to adjust same amicably between the disputants, to submit reports to the board of directors of both organizations.

"Resolved, That copies of these resolutions be sent to each member of the Wholesale Seedsmen's League, and that a sufficient number of copies be sent to the secretary of the American Seed Trade Association for mailing to each member thereof.

"Such distribution of copies of these resolutions to be accompanied with an explanation from the secretary that we seek the co-operation of all honorable houses, in the interests of all, in an earnest endeavor to fix firmly the usages of the American seed trade upon the highest plane of business ethics."

The secretary was instructed to mail a copy of this action to all members of the League, and to other seedsmen in close affiliation. BURNET LANDRETH, Secretary of the League.

CATALOGUES RECEIVED.

WOOD BROTHERS, Fishkill, N. Y.—Trade List of Plants and Rooted Cuttings—January to May 1, 1908.

WILLIAM SWAYNE, Kennett Square, Pa.—Descriptive Price List of new and standard varieties of Carnations, Chrysanthemums, etc.

JOHN A. BRUCE & COMPANY, Hamilton, Ont.—Illustrated Catalogue of Vegetable, Field and Flower Seeds, Bulbs, Plants, Shrubs, etc.

WILLIAM F. TURNER & COMPANY, New Bedford, Mass.—Illustrated Catalogue of Dahlias. A comprehensive collection is enumerated.

T. C. THURLOW & COMPANY, West Newbury, Mass.—Catalogue of Trees, Shrubs, Vines, Herbaceous Plants, Roses, Fruit Trees and Small Fruits.

HIERLOFFSON'S, Christiania, Norway.—Illustrated Catalogue of Vegetable and Flower Seeds, Plants, Implements, etc. Printed in the Norwegian language.

ROBERT C. REEVES COMPANY, New York.—Descriptive Catalogue of Agricultural and Horticultural Implements and Machinery, Garden, Field and Flower Seeds, Fertilizers, etc. Illustrated.

ELM CITY NURSERY COMPANY, New Haven, Conn.—Catalogue of General Nursery Stock, Hardy Herbaceous Plants, Roses, Fruit Trees, Small Fruits, etc. On the front cover is a photograph of "The New Hardy Shrub, Hydrangea Grandiflora Alba." The name is given in the catalogue as Hydrangea arborescens var. grandiflora alba, both of which, according to the latest "decelion," are wrong.

W. E. BARRETT COMPANY, Providence, R. I.—Sixtieth Annual Catalogue of Seeds, Implements, etc., with lists of Novelties and Specialties. The firm says: "As a seed year, 1907 was not a success generally, extreme dry weather in some sections, and excessive wet weather in others, causing short crops of many varieties of peas and beans; vine seeds, radishes and beets also suffering; but the worst feature we shall have to contend with is sweet corn. This will be very scarce, particularly the later varieties."

(Seed Trade Report Continued on page 340.)

If you prefer the finest and freest flowering

Tuberous Begonias

send your order for BULBS to

T. H. Haertjens,
Overmeire, Ghent, Belgium

We also are large growers of
Araucarias, Kentias, Co-
cos Wed., Phoenix Roebel-
lenii, etc.

Established 1800
POAT BROS.
(Formerly of Ettricks, Va.)
BULB GROWERS
HIGHLAND PARK
RICHMOND, VA.
NARCISSUS, TULIPS, IRIS
PAEONIES, CROCUS
SEND FOR CATALOGUE
CUT FLOWERS
FROM MARCH TO MAY

VEGETABLE PLANTS

TOMATO, Mayflower, Lordard, Earlsana, Early June Pink and Early Jewel, 20c. per 100; \$2.00 per 1000.

BEETS, Egyptian and Crosby's, 20c. per 100; \$1.25 per 1000.

CELERY, White Plume and Golden Self Blanching, 20c. per 100; \$1.25 per 1000.

PARSLEY, Moss Curled, 20c. per 100; \$2.00 per 1000.

CAULIFLOWER, Early Snowball, 50c. a 100.

LETTUCE, Grand Rapids, \$1.00 per 1000.

PEPPER and EGG PLANTS, ready for transplanting, 40c. per 100; \$2.00 per 1000.

R. VINCENT, Jr. & SONS CO., White Marsh Md.

FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN**, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. in postage stamps. Address **American Spawm Company, St. Paul Minn.**

SEED SWEET POTATOES

Bright, smooth stock of the following varieties, packed in light, strong baskets: **Yellow Jersey, Yellow Nansemond and Big Stem Jersey**, per five-eighths bushel basket, 90c.; per half barrel basket, \$1.75. **Early Golden**, per basket, \$1.00; half barrel, \$2.00. F. O. B. here.

H. AUSTIN, Felton, Del.

GLADIOLUS BULBS

100,000 from 1 1/2 inches up at \$4.00 per 1000, 100,000 1 to 1 1/2 inches at \$2.00 per 1000. Cash with order. Description given on request.

Nice block of **CALIFORNIA PRIVET**, \$10.00 per 1000 and up as to quality, write for particulars.

Nice lot of **AMERICAN CHESTNUT TREES** at a bargain. 35 large **SUGAR TREES**, most of them sample trees.

I. & J. L. LEONARD, Iona, N. J.

CLEARY'S HORTICULTURAL CO.

AMBROSE T. CLEARY, Management

WHOLESALE, JOBBING, CONTRACTING, AUCTION, HORTICULTURAL PRODUCTS

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Telephone, 7313 Cortlandt
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TWELVE ACRES of PEONIES

FESTIVA MAXIMA, \$20.00 per 100;
QUEEN VICTORIA, WHITTELEY, \$9.00 per 100;
FRAGRANS (Late Rose), \$6.00 per 100. For 1000 rates and other varieties, write

GILBERT H. WILD, SARCOXIE, MO.

DREER'S HARDY PERENNIALS

Largest assortment of desirable varieties. Plants of proper size to give best immediate results.

For complete list of varieties see our current wholesale list.

Many planters not thoroughly familiar with this class of plants have an idea that nothing but a large, field-grown clump will give satisfactory returns for the season. This, as experience has taught us, is in most instances a mistake. A vigorous plant of proper size will, in nearly every case, give quicker and better returns than the best so-called "field clumps" that can be procured. It will be noticed that the majority of the stock offered in this list is described as being 3, 4 or 5-inch pots. This does not necessarily mean that the plants have been altogether pot-grown, but that they have been field-grown and dug and potted up during the Fall and early Winter months, and such stock can be planted, even late in the Spring, with practically no loss, which, in the case of clumps, is often quite serious.

	Per doz.	Per 100
ACHILLEA, The Pearl, 3-in. pots	\$0 75	\$5 00
Millefolium Roseum, 3-in. pots	85	6 00
ACONITUM in variety, Strong roots	1 25	8 00
ALYSSUM Saxatile Compactum, 3-in. pots	75	6 00
ANCHUSA Italica Dropmore variety	3 50	25 00
ANEMONE Japonica, 3-in. pots	85	6 00
Alba, 3-in. pots	85	6 00
Elegantissima, 3-in. pots	85	6 00
Lord Ardilaune, 3-in. pots	1 25	8 00
Prince Henry, 3-in. pots	1 25	8 00
Queen Charlotte, 3-in. pots	85	6 00
Rosea Superba, 3-in. pots	85	6 00
Whirlwind, 3-in. pots	85	6 00
ANTHEMICUM Liliago and Liliastrum	75	5 00
AQUILEGIA in variety, 3-in. pots	85	6 00
AEABIS Alpina, 3-in. pots	75	5 00
Flore Plena, 3-in. pots	85	6 00
ARMERIA Maritima Splendens, 3-in. pots	85	6 00
Alba, 3-in. pots	85	6 00
AETEMISIA in variety, 4-in. pots	85	6 00
ASCLEPIAS Tuberosa, Strong roots	85	6 00
ASTER Grandiflorus, Strong roots	85	6 00
Alpinus, Blue and white, 3-in. pots	85	6 00
HARDY Asters (Michaelmas Daisies), Strong plants in 25 varieties	1 00	7 00
BOCCONIA Cordata, Strong roots	85	6 00
BOLTONIA Asteroides, 4-in. pots	85	6 00
Latisquama, 4-in. pots	85	6 00
CALLIHOE Involucrata, 3-in. pots	1 00	7 00
CAMPANULA Carpatica, Blue and white, 3-in. pots	85	6 00
Media, Double and Single, 4-in. pots	85	6 00
Calycanthemum, 4-in. pots	85	6 00
Persicifolia Moerheimi, 3-in. pots	1 25	8 00
Persicifolia, Blue and white, 4-in. pots	85	6 00
CARYOPTERIS Mastacanthus, 4-in. pots	85	6 00
CERASTIUM Tomentosum, 3-in. pots	85	6 00
CENTAUREA in variety, 3-in. pots	1 00	7 00
CHELONE in variety, Strong plants	1 25	8 00
CHRYSANTHEMUM Alaska, 3-in. pots	1 50	10 00
Shasta Daisy, 3-in. pots	75	5 00
Hardy Pompon, 25 varieties, 2 1/4-in. pots	60	4 00
CMICIFUGA Simplex, 4-in. pots	3 50	25 00
CLEMATIS Davidiana, Strong 2-yr.-old	85	6 00
CONVALARIA Majalis, Clumps	2 00	15 00
COREOPSIS Lanceolata Grandiflora, 4-in. pots	75	5 00
DELPHINIUM Belladonna, 3-in. pots	2 00	15 00
Chinese, 1-yr. field grown	75	5 00
Alba, 1-yr. field grown	75	5 00
Formosum, 1-yr. field grown	85	6 00
Mixed Hybrids, 1-yr. field grown	85	6 00
DICTAMNUS Fraxinella and Alba, Strong plants	1 25	8 00
DIELYTRA Spectabilis, Strong clumps	85	6 00
DIGITALIS Gloxiniflora, 4-in. pots	85	6 00
Grandiflora, 3-in. pots	85	6 00
Lanata, 3-in. pots	85	6 00
DORONICUM in variety, 4-in. pots	1 25	8 00
EPIMEDIUM in variety, Strong plants	1 50	10 00
EBYNGIUM Amethystinum, 3-in. pots	1 00	7 00
EBIGERON in variety, 3-in. pots	1 00	7 00
EUPATORIUM Ageratoides, 4-in. pots	85	6 00
Caelestinum, 3-in. pots	85	6 00
EUPHOBIA Corollata, 3-in. pots	75	5 00
FUNKIA Cereola, Strong roots	75	5 00
Subcordata Grandiflora, Strong roots	1 25	8 00
Undulata Media Picta, Strong roots	85	6 00
GAILLARDIA Grandiflora, 4-in. pots	85	6 00
GEEANUM Sanguineum, 4-in. pots	85	6 00
Album, 4-in. pots	85	6 00
GEUM in variety, 3-in. pots	1 00	7 00
GLECHOMA Variegata, Strong plants	85	6 00
GYPSOPHILLA Paniculata, Strong roots	85	6 00
Fl. Pl. Strong roots	3 00	
HEMEROCALLIS in variety, Strong plants	85	6 00
HIBISCUS Crimson Eye, 1-yr.-old	85	6 00
Moschutos, 1-yr.-old	85	6 00
HELENIUM Antumnale Superba, 4-in. pots	1 00	7 00
Grandcephalum Striatum, 3-in. pots	1 00	7 00
Fumilum Magnificum, 4-in. pots	1 00	7 00
Riverton Gem, 3-in. pots (New)	1 50	10 00
Riverton Beauty, 3-in. pots	3 00	20 00

	Per doz.	Per 100
HELIANTHUS in variety, Strong plants	85	6 00
Sparsifolia, 3-in. pots	1 50	10 00
HELIOPSIS Pitcherianus, 4-in. pots	85	6 00
Semi Plena, 3-in. pots	85	6 00
Scaber Major, 4-in. pots	85	6 00
HELIANTHEMUM in variety, 3-in. pots	1 00	7 00
HEUCHERA Sanguinea, 4-in. pots	1 00	7 00
Alba, 4-in. pots	1 00	7 00
Rosea, 4-in. pots	1 00	7 00
HOLLYHOCKS—Dreer's Superb Double, White, yellow, pink, salmon, maroon, red, 1-yr.-old clumps	1 50	10 00

	Per doz.	Per 100
LYTHRUM Roseum Superbum, 4-in. pots	85	6 00
OENOTHERA in variety, 3-in. pots	85	6 00
PAPAVER Orientale, Named varieties, 4-in. pots	1 50	10 00
Choice mixture, 4-in. pots	85	6 00
Nudicaule (Iceland Poppy), Choice mixed, 3-in. pots	85	6 00
PAEONIES Choice Double Herbaceous	1 50	12 00
PENTSTEMONS in variety, Strong plants	1 00	7 00
PHYSOSTEGIA Virginica and Alba	85	6 00
PINKS, Hardy Garden in variety, 4-in. pots	85	6 00
PLATYCODON Blue and White, 2-yr.-old roots	85	6 00
PLUMBAGO Larpente, Strong 3-in. pots	1 00	7 00
POTENTILLAS in variety, Strong plants	1 00	7 00
PHLOXES, These are one of our leading specialties. Send for special list of new, popular and standard varieties, strong plants	75	5 00
PHLOX Subulata, Pink and white, Strong clumps	75	5 00
Amena, 4-in. pots	85	6 00
PRIMULA Cortusoides Sieboldi, 6 distinct varieties	1 50	10 00
Veris (English Cowslip), Choice mixture	75	5 00
Auricula, 3-in. pots	1 50	10 00
PYRETHRUM Hybridum, Choice seedlings, 3-in. pots	1 25	8 00
Uliginosum, 4-in. pots	85	6 00
Double, in six distinct colors, 3-in. pots	2 00	15 00
POLEMONIUM in variety, 3-in. pots	1 00	7 00
RANUNCULUS Repans Flore Plena, 4-in. pots	85	6 00
RUBECKIA Golden Glow, Strong plants	85	6 00
Newmani, 4-in. pots	1 00	7 00
Purpurea, 3-in. pots	1 00	7 00
Sub-Tomentosa, 4-in. pots	1 00	7 00
Fulgida, 4-in. pots	1 00	7 00
Rays of Gold, 4-in. pots	1 50	10 00
Autumn Sun, 4-in. pots	1 50	10 00
SALVIA Azurea Grandiflora, 4-in. pots	1 00	7 00
SAXIFRAGA (Megasea) in variety, Strong plants	1 50	10 00
SCABIOSA Caucasica, and Alba, 3 in. pots	1 25	8 00
SEDUM Spectabilis, Strong clumps	1 00	7 00
Atropurpurea, Strong clumps	1 50	10 00
In variety, Strong clumps	85	6 00
SOLIDAGO in variety	85	6 00
SPIRAEA Aruncus, clumps	1 00	7 00
Chinensis, clumps	1 25	8 00
Filipendula Flore Plena, 3-in. pots	1 25	8 00
Gigantea, clumps	1 25	8 00
Palmeta, clumps	1 00	7 00
Elegans, clumps	1 00	7 00
Ulmaria Flore Plena, clumps	85	6 00
Venusta, 4-in. pots	85	6 00
STATICE in variety, 4-in. pots	85	6 00
STOKESIA Cyanea, Strong 3-in. pots	75	5 00
Alba, 3-in. pots	1 50	10 00
SWEET WILLIAM clumps	75	6 00
THALICTRUMS in variety, Strong plants	1 00	7 00
TROLIUS Aurantiacus, 3-in. pots	2 00	15 00
Europaeus, 3-in. pots	1 00	7 00
Japonicus Excelsior, 3-in. pots	2 00	15 00
Orange Globe, 3-in. pots	2 00	15 00
TRITOMA Obelisque, strong divisions	1 50	10 00
Pfitzeri, strong plants	1 00	7 00
Rufus, strong divisions	2 00	15 00
Tricolor, strong divisions	2 00	15 00
Uvaria Grandiflora, strong divisions	1 00	6 00
VALERIANA Coccinea and Alba, 4-in. pots	1 25	8 00
Officinalis, 4-in. pots	1 25	8 00
VERONICA Longifolia Subsessilis, Strong plants	1 25	8 00
Spicata, Blue and White, 4-in. pots	1 00	7 00
VIOLA Cornuta (Tufted Pansies), 4 colors	50	3 00
WALL FLOWERS, 1-in. pots	1 25	8 00
YUCCA Filamentosa, 2-yr.-old	1 50	10 00



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HOLLYHOCKS, Dreer's Double in mixture, 1-yr.-old roots	1 25	8 00
Fringed Allegheny, in mixture, 1-yr.-old roots	1 25	8 00
Single Mixed, 1-yr.-old roots	1 25	8 00
HYPERICUM Moserianum, Strong plants	1 25	8 00
IBERIS Sempervirens, 3-in. pots	85	6 00
Flore Plena, 3-in. pots	1 00	7 00
IRIS Kämpferi (Japan Iris), 20 choice-named varieties	1 50	10 00
In choice mixtures	1 25	8 00
Germanica, 12 choice-named varieties	85	6 00
In choice mixture	60	4 00
INCARVILLEA Delavayii, Strong roots	1 25	8 00
Grandiflora	3 50	25 00
LAVENDULA Vera, 3-in. pots	1 00	7 00
LOBELIA Cardinalis, 3-in. pots	85	6 00
Syphilitica, 4-in. pots	85	6 00
LYSIMACHIA Clethroides, 4-in. pots	85	6 00
LYCHNIS Chalcedonica, Alba and Carnea, 3-in. pots	85	6 00
Flore Plena, 3-in. pots	2 00	15 00
Haageana, 3-in. pots	85	6 00
Viscaria Splendens, 3-in. pots	1 25	8 00

HENRY A. DREER, 714 Chestnut St., Philadelphia, Penna.

California Plant Notes.

An attractive plant in bloom here at the present time, March 1, is *Senecio Jacquinii*. The flowers so nearly resemble those of the dandelion in size, in color, and construction, that if cut without stems and laid side by side it would be a difficult matter to distinguish the one from the other. The plant is four feet high with a top three feet in diameter. The stem is woody, three inches diameter at the base. The flowers are borne in loose umbels in great profusion. The family *Passifloraceae* affords us some of our most vigorous vines and profuse bloomers. When young plants are first set out a black caterpillar attacks

them, and if not picked off soon defoliates and debilitates them. After the first year they seem to be immune from the ravages of this pest, which appears to be the only enemy either fungoid or insect that preys upon the plants.

Three *passifloras* which have come under my observation are perpetual bloomers, a rare characteristic of plant life as it grows here. *Passiflora cinnabarina* has bright glaucous foliage; flowers are a bright scarlet, borne in the axils of the leaves every day of the year. It has not, so far as the writer is aware, set any seed in this locality. *Tacsonia mixta* is a wonderfully vigorous vine with large dark pink flowers and luxur-

iant foliage of light green color. It produces fruit, oval, an inch or slightly larger, containing a pleasant seedy pulp, so sparingly as to be a novelty. *Passiflora quadrangularis*, with large, entire foliage, large light colored, fragrant flowers, is seldom seen, yet deserves a place in the collection of plants on every large estate. The plant I know sets no fruit, and completes the trio of perpetual blooming *passifloras* that has come under my observation here.

Tacsonia mollissima is also a vigorous grower with deeply divided foliage and light pink flowers, but fruits so abundantly as to exhaust the energies of the vine for a season. The fruit is 3 to 4

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inches long, an inch in diameter, and yellow in color when ripe. It also contains a pulp agreeable to the taste, but one fruit at one time is sufficient to satisfy most people. The appearance and consistency of the edible part of the fruit of these two *tacsonias* is nearly like that of the May apple, *Pedophyllum peltatum*, of the East. P. D. B.

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Amygdalus Nana Pumila.

Many a garden would lose its charm in early Spring were it not represented by one or more plants of the flowering almond, the pretty bush gardeners know so well. The two sorts, the white and the pink, bear their blossoms in great profusion, and can always be depended upon for a fine display. Very many of the early flowering shrubs are of light color, in the midst of which the pink-flowered flowering almond finds a welcome place, both for its own sake and for the better effect of the whole when the pink flowers are introduced among them. Our picture represents a pink one; and the bush itself shows well the usual habit of growth of the flowering almond.

All of the many kindred double-flowering shrubs, the peach, the plum, as well as the almond, are invaluable for the shrubbery in Spring. All have a pleasing habit of growth and of flowering. The way the almond displays its blossoms is well shown in the illustration, and fits it well for planting singly as it does for mingling with other shrubs in a collection.

Magnolia Grandiflora.

It is interesting to read in the New York notes of your correspondent of the beautiful specimen of Magnolia grandiflora growing in Brooklyn, N. Y. A tree of it 30 feet high, as he says this is, is a fine one for so far north, and it goes far to demonstrate that this most desirable evergreen will endure a good deal of cold when the locality suits it in other respects.

In Philadelphia there have been specimens here and there which have grown to be large trees. When in a partly sheltered place and the Winters immediately succeeding its planting are not unduly severe so that good root hold is acquired, this magnolia will live almost anywhere about Philadelphia. This is especially true of those planted near large bodies of water. Near the Delaware River, at Tacony, Philadelphia, in the yard of a veteran of the Civil War, is a very nice tree, which he got from the South after the close of the war, and this tree rarely gets injured even in its foliage.

When in an entirely open situation the sun, together with high, cold winds, is apt to injure the exposed leaves, hence protection from both is desirable. But when near a dwelling, where winds are not apt to catch it, protection additional to that of the dwelling is sometimes not necessary.

Before Winter sets in, should the ground be dry or likely to become so, give a thorough soaking of the soil surrounding the magnolia. It will get through the Winter much better when the ground is wet in Winter than when it is dry.

As this magnolia, being evergreen, does far better transplanted from a pot than from the open ground, florists would do well to grow a lot of them in pots, as there is then no risk in their transplanting. Seeds kept moist through the Winter and sown in a greenhouse in February or March are sure to grow.

Catalpas for Shade and Ornament.

The efforts of those interested in forestry matters to make clear the value of the Catalpa speciosa for timber are bearing good fruit, for nurserymen and others who sell trees are now anxious to raise seedlings to meet the demand already existing or anticipated. There is no question that C. speciosa is the most valuable of all for forestry planting. The wood of C. bignonioides may be just as good, but the tree does not grow as straight and tall as the other, hence the same length of timber cannot be obtained from it. Further than this C. speciosa is harder than the other, fitting it for planting where the other one would not endure the climate, such as in the Northwest.

As an ornamental tree Catalpa bignonioides is the better one. Instead of growing tall it becomes more spreading, and when in this shape it displays its large panicles of flowers to much greater advantage than does the taller C. speciosa.

The globe-headed one called, improperly, C. Bungei, is a variety of bignonioides. It is grafted on tall stems of one of the others, when it makes a bushy, round-headed growth which fits it well for planting alongside pathways and similar positions. It never flowers that anyone has made record of. When grown from cuttings,

as it easily can be, it forms a low, bushy growth, which fits it for positions calling for such a shrub.

Catalpa Kämpferi is an upright growing small tree. In its style of growth as we see it here it resembles C. speciosa, making a pyramidal outline rather than a rounded one. It is a nice ornamental tree, and interesting in a collection, but is not the equal of C. speciosa as a forest tree nor of C. bignonioides as an ornamental tree.

There are very few of them in cultivation hereabouts. They must be more abundantly planted in some localities, as catalpa experts claim that much of the seed sold for pure C. speciosa is from trees hybrids between it and the latter named one.

Mentioning the propagation of the dwarf catalpa from cuttings, it may be added that all varieties may be increased in the same way, speciosa, bignonioides and Kämpferi. Shoots cut now and planted in nursery rows in early Spring would make good roots by Autumn.

Peaches for a Small Garden.

It is a fact that notwithstanding the many new varieties of peaches continually brought to notice, the older kinds, those of a half century or more of trial, are still the ones most often called for.

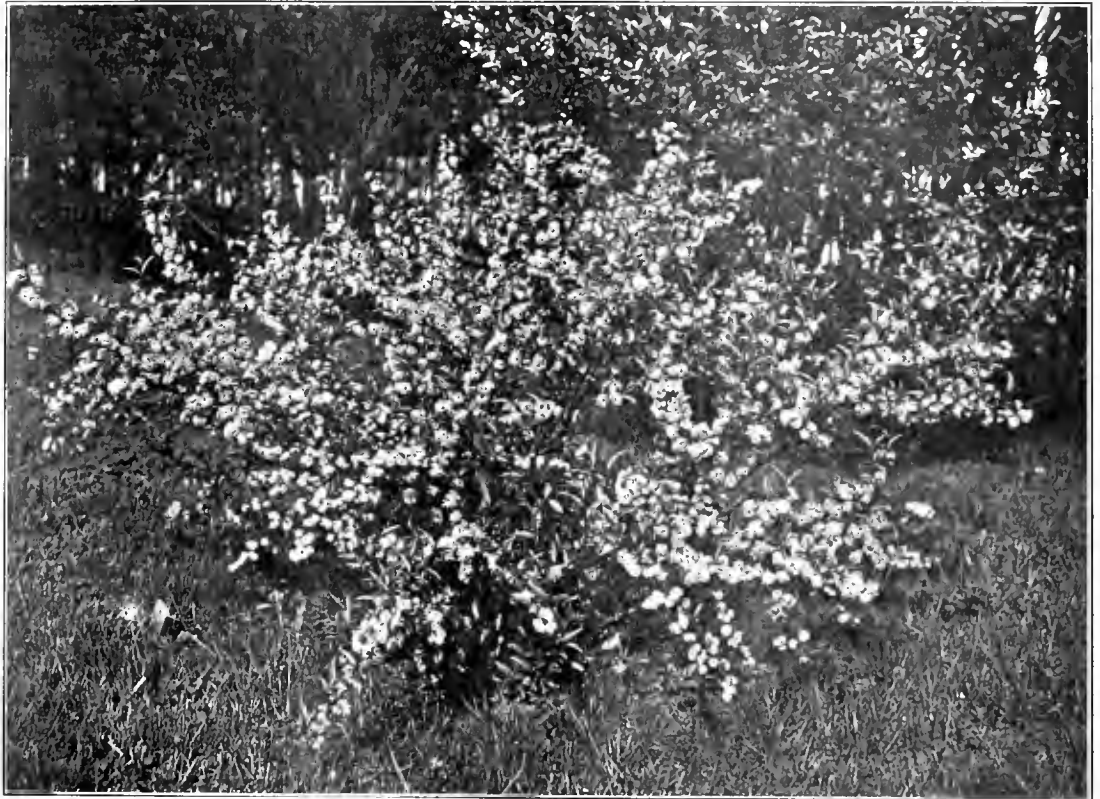
Here is a list consisting of good old sorts that are still the best sellers of all, named very nearly in the

weeping form, (C. pubescens Ehrh.) the white. In some of the Southern States, Virginia, and North Carolina, for example, it is found in their mountains as in many parts of some Northern States, and trees from such localities are tried to grow in any ordinary section North.

Propagation of Birches.

The various species of birch are all increased from seeds, either sown in Autumn or in early Spring. The varieties, such as the cut-leaved weeping, the Youngi pendula, pyramidalis and other forms, all belonging to the species alba, are increased by budding, layering, inarching or grafting, chiefly by budding, and as the common alba is easily raised from seeds and as the proper stock to use, there is little difficulty in procuring a supply of the varieties when called for.

Of all the birches more plants are sold of the cut-leaved weeping than of all others when purchases are of a plant or two of some one kind. When hundreds are wanted, it is another thing. Then the rubra, the papyracea, the alba or some other may be the one called for, the particular one depending on the purpose of the planting. The red, ragged bark of the rubra is effective; then the white bark of the alba, the papyracea and populifolia gives the effect often desired, while the yellow bark of lutea and the black bark of lenta are effective in certain positions.



Amygdalus nana pumila, Flowering Almond

order of their ripening: Troth's Early, Early York, Mt. Rose, Oldmixon, Stump the World, Smoek, Crawford's Late and Ward's Late. These are good, whether for eating out of hand or for preserving. All are free-stones, including Smoek, but it does not part from its stone as freely as some, though not a clingstone.

The peach most abundant in our markets of late years is Elberta. This is a good peach, a good cropper and sure bearer, but it lacks the high flavor many other kinds possess, and probably it would satisfy the average person less than any other peach would.

Spring is recognized as the proper time to set peach trees; and another proper thing to do is to give them a very close pruning at the time.

Hardiness of the Varieties of Cornus Florida.

The writer is asked whether the weeping dogwood, Cornus florida pendula, having been found wild in Maryland in the first place, is considered hardy for general planting. Most assuredly it is. It has been planted alongside the common dogwood everywhere, and never a complaint of any lack of hardiness that I know of has been entered against it. The original home of the weeping dogwood was in the vicinity of Baltimore, Md. Its home could have been even farther South than it was, and it would still have been able to take a position wherever the common form grows, as has been proved in the case of the pink flowered variety, which was found wild in Virginia, and was introduced from there by the late firm of Parsons & Sons Company. This plant is now to be seen in nearly all collections where the common dogwood is found and, as in the case of the

When it comes to white-barked birches the cut-leaved weeping lends all, because of its white bark, drooping branchlets and pretty cut-leaved foliage. When the drooping habit is not considered the papyracea, or paper birch, called also canoe birch, excels in its beauty in the Winter season. It has the whitest bark of all birches, better even than the famed alba, the white birch of Europe, and much better than another of our native sorts, the poplar birch. The paper birch, which is the one of our Eastern States, is rather slower in taking on its white colored bark than the alba and other white ones, but it is preferable in the end. As a shade tree it is well fitted, having larger leaves than many other birches, and forming a well-branched tree. Leaving out the weeping and other varieties of white birch, the best of the white barked kinds may be listed in the following order: papyracea, alba, populifolia. Alba is oftener asked for by customers because of being better known; in spite of this there will be no mistake in stocking up with the papyracea, the canoe birch.

JOSEPH MELLIAN.

The New York College of Agriculture, Department of Plant Pathology, is now undertaking a careful and exhaustive study of the hollyhock disease. H. H. Whetzel, assistant professor in charge of this, asks for contributions of seeds or cuttings of any hollyhocks, hibiscuses or mallows for use in these trials. He does not only to determine what spray mixtures are most efficient, but to ascertain if any varieties are immune to the disease.

Seed Trade Report—Continued

A Great Seedsman.

Under this heading the Country Gentleman of March 5, 1908, publishes an account of the career of W. Atlee Burpee, the world-famous seedsman of Philadelphia, Pa. (with accompanying portrait), from which we make the following extracts, and which, we feel sure, will be read with interest by our subscribers:

"W. Atlee Burpee was born at Sheffield, N. E., April 5, 1858, but was predestined to be a Philadelphian, his father having married the daughter of his instructor in medicine, Dr. Washington L. Atlee of Philadelphia, under promise that within five years he would move to that city. He was also predestined to be a physician, but objected to that part of the program, and at the age of 18 opened, in connection with G. S. Benson, Jr., a little store at 223 Church street, dealing chiefly in fancy pigeons and poultry, Mr. Burpee having already acquired a reputation as a breeder and writer on that subject. The firm lost \$3,500 the first year, and was glad to take in a third partner who is still a close personal friend of Mr. Burpee, but whose ideas in business differed, and in April, 1878, Mr. Burpee withdrew from the firm and started by himself as 'W. Atlee Burpee & Co.' dealing in seeds as well as birds and dogs. The second year of the first partnership just paid expenses. 'The third year by myself,' Mr. Burpee says, 'I netted a profit of \$2,700. In 1882 the little shop in Church street was too small, and I moved to our present location. I remember that my father, looking over the building I had just hired, thought that we could never have sufficient trade to occupy such a large establishment. The trade, however, increased, so that we soon had to hire storage outside, and in 1898, having previously bought the property, we pulled down the old building and erected the present modern seven-story warehouse, while since then we have bought additional property to the south on York avenue and one on Fifth street.' Mr. Burpee does not bragging about the volume of his present business, but of course everybody knows that it is colossal. On what may be called the professional, and infinitely the more interesting, side of his calling he tells us this:

"Until 1888 the field tests of our seeds were conducted at the eastern end of Long Island by our old friend, E. S. Miller, but he moved away and it became necessary to procure our own farm. We then bought the first Fordhook, which, with the several purchases since made, constitute the trial grounds, which, ever since 1888, have been under the superintendence of E. D. Darlington. Years ago, however, we recognized the fact that in a soil and climate like that of Bucks County, Pa., it was impossible every year to get satisfactory trials of the cucurbitaceae. We, therefore, arranged for these trials to be made in southern New Jersey, and, after conducting them on hired land, several years ago purchased a farm near Swedesboro, where we have suitable light, sandy soil, not only for such trials but also for the growing of special varieties of tomatoes, egg plants, peppers and certain flower seeds.

"Mr. Burpee is a life member of the Société Nationale Horticulture de France, the Royal Horticultural Society of England, and has been for some years vice-president of the National Sweet Pea Society of England. In 1893 in Chicago, he was elected president of the American Seed Trade Association, presiding at the next annual meeting at Toronto, and has been a director of the Wholesale Seedsmen's League ever since its foundation. His prominence is due, not only to the high excellence of his seeds and the immense quantity that he sells, but also—again a professional rather than a trade matter—to the fact that he has undoubtedly introduced many more new and improved varieties of permanent value than any other dealer. The list includes at least 20 sweet peas, more than a dozen melons, and a number of vegetables of many different families. The story shows what a man of ability, courage and perseverance can accomplish, when he finds a pursuit that just satisfies his tastes."

COMMERCIAL MELON GROWING.—Seedsmen and others will find much of interest concerning this subject in bulletin 123, just issued by the Purdue University Agricultural Experiment Station, Lafayette, Ind. Varieties are discussed, as well as cultural requirements, harvesting, marketing, insects and diseases. The bulletin is illustrated.

THIS IS A REMINDER TO
ADVERTISERS THAT OUR

Nineteenth Annual Spring Number

WILL BE DELIVERED TO OUR
SUBSCRIBERS THROUGHOUT
THE ENTIRE COUNTRY ON

Saturday,
March 28, 1908

The Crop Reporting Board of the Bureau of Statistics finds, from reports of correspondents and agents of the bureau, that the quantity of corn in farmers' hands on March 1, 1908, is estimated as 37.1 per cent., equivalent to 962,429,000 bushels, of last year's crop, as compared with 44.3 per cent., 1,298,000,000 bushels, of the 1906 crop on hand March 1, 1907. It is estimated that about 18 per cent. of the crop will be shipped out of countries where grown, as compared with 23.2 per cent. of the 1906 crop.

THE GERMINATION OF VEGETABLE SEEDS.—The Department of Agriculture, Bureau of Plant Industry, Washington, D. C., has distributed a bulletin (131 part I) on this subject, prepared by Edgar Brown, Botanist in charge of Seed Laboratory and Willard L. Goss, assistant, Seed Laboratory. The bulletin states, among other things:

During the Spring of 1907 there were purchased in the States of Maine, Vermont, Massachusetts, Kentucky, Wisconsin, North Dakota, Kansas, and Colorado, 2,778 packets of so-called "commission" vegetable seeds. These were put up by 27 seedsmen and included seeds of 26 kinds of vegetables. The germination of many kinds of seed was surprisingly low. The average germination of the 135 samples of carrot seed tested was 45.4 per cent.; of the 141 samples of onion seed, 45 per cent.; of the 331 samples of cabbage seed, 40.8 per cent.; of the 47 samples of pepper seed, 33.7 per cent.; of the 35 samples of salsify seed, 27 per cent.; while of the 69 samples of parsnip seed, only 20.8 per cent. germinated.

The seed from certain packeting houses was especially poor. Of 121 packets put up by one seedsman, the average germination was only 37.3 per cent., and of 241 packets put up by another the average germination was 41.3 per cent. In many cases wide differences in germination were found between different packets from the same seedsman.

Of 209 packets from 21 of the 27 packeting houses referred to, none germinated more than 10 per cent., while all the seed in 62 packets from 13 firms failed to germinate.

In view of some criticisms of the quality of the seeds sent out in the Congressional seed distribution, a table is presented, showing the average germination of the various kinds of commission seeds tested in comparison with the average germination of the same kinds of seeds distributed by the Department of Agriculture on Congressional orders during the past six years.

In all cases the average germination of the "commission" seeds tested was lower than that of those sent out in the

Announcement of Our 19th Annual Spring Number

The coming of Spring never fails to give added impulse to horticultural and floricultural industries, and, to get your specialties before the buyer at the psychological moment when he is all ready and fully prepared to make his purchases for the season, is the opportunity we are affording you by bringing out this Spring Number on Saturday March 28. **Timeliness is an all important feature in advertising.**



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No matter to which particular branch of the business your line of goods appeals, an advertisement in this Spring Trade issue will bring gratifying results. **The opportunity is here; why not grasp it?**

To be in good time, copy for your advertisement must reach us by or before 12 o'clock, noon, of Wednesday, March 25; if received earlier, we can give it still better display.

Publishers THE FLORISTS' EXCHANGE

Short Address: P. O. BOX 1697, NEW YORK

Congressional seed distribution, varying from 4.5 per cent. for Lima beans to 56.2 per cent. for parsnips.

The bulletin adds: "That many firms are selling vegetable seeds not only of a low average quality but often entirely worthless makes it evident that some sort of protection should be afforded the purchaser by a guaranty of quality given by the seedsman."

European Notes.

To-day being the last of February we have the very latest sample of weather and are fairly snowed under. In some of our northeasterly districts fully 12 inches rest dry and frozen on the ground. As bitterly cold Winters are predicted this will effectually shelter seeds that are already sown and check trade, which was already sufficiently quiet. *Nil desperandum.*

EUROPEAN SEEDS.

FRENCH SEED TRADE REPORT.—The season for the wholesale trade will soon be over and we are now busy preparing small orders that come in, and some from those who are running short of a few articles. Retail trade is now starting in.

Last Winter was not very severe here and apart from a few days' frost, which did any amount of good to the soil, putting to death a lot of vermin, etc., we have had a comparatively mild although damp temperature.

The wholesale trade had a pretty good season in France. I am sorry to hear that such was not the case in England and that a good many wholesale firms over there are complaining about short sales. Here prices have been too low, so that we hardly find it possible to make a decent profit on any article. Carrots, lettuces, cucumbers and beans sold pretty well. Turnips, Swedes and cabbages were expected to fetch very high prices owing to short crops and failure of plants for 1908 crop, but they maintained decent values. I think the reason of this is that, owing to the great drought we had in the sowing season, these seeds could not be sown at all, the result being that most of them were left in the hands of the retail trade, who had bought largely for fear the prices would advance within a short time. As only a few plants were put in for 1908 crop, these seeds should fetch a big price next season, if the weather proves favorable during sowing time.

Peas also sold very well and some

5000 CANNAS

LOUISIANA, beautiful dark red, orchid-flowering, strong roots, with 2 and 3 eyes, \$6.00 per 100; 200 for \$10.00. 20,000 DWARF BOXWOOD for borders.

10,000 MAHONIA AQUIFOLIA, 3 year old.

Also fine lot of small shrubs; a real occasion for landscape gardeners.

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N. A. CORLIN, Elberon, N. J.

varieties, such as Alaska, latterly became very scarce and reached a high figure such as we were not used to pay for a long time back. Radishes started at good paying prices, but owing to large quantities held over and to good crops in some countries values diminished somewhat.

The most prominent feature of the season was the repeated dropping in prices of onion and leek seeds. On account of short crops, these started in very high last September and October and we could not see any reason why the high prices should not be maintained. However, the demand was very small indeed, and suddenly, some weeks ago, values fell enormously. On the other hand, leek seeds were mostly harvested in wet weather, so that they look very bad indeed, and the growth is far from being satisfactory. I have lately heard of large stocks of leek seeds being sent back to the growers here from foreign wholesale firms, on account of bad growth.

In my next article I hope to be able to report on biennial plants and give an opinion of what we may expect next harvest.

FRENCH SEEDS.

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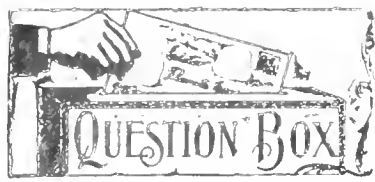
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Commercial Price Violet Culture \$1.50. The Florists' Exchange, 2 to 8 Duane St., N. Y. THE TRADE ONLY - When Writing Please Mention THE FLORISTS' EXCHANGE. A FEW GOOD THINGS YOU WANT. Cash with Order. Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100. Asparagus Sprenger, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100. ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100. Dracaena Indica, 2 in., \$3.00 per 100. FERNS, Scottish, 5 in., 30c each. Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poltevine and Vland, 2 in. pots, \$3.00 per 100. Rooted cuttings, \$1.50. VINCA VAR., 2 in. \$2.00 per 100. Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order. GLADIOLUS BULBS, mostly light colors, \$1.00 per 100. REX BEGONIAS, 2 in., \$5.00 per 100. GEO. M. EMMANS, NEWTON, N. J. FRINGED Double Petunias. Per 100. Rooted cuttings by mail \$1.25. VINCA variegated, R. C. 1.00. GAZANIA Splendens, R. C. 1.50. ASPARAGUS, Sprenger, 3 in., very strong 6.00. SALVIA, tall and dwarf 1.00. STROBIANTHES Dyerianus, R. C. 1.25. GERANIUMS, Mme. Sullerol, R. C. 1.50. MOON VINE, Smith Hybrid Seedling, transplanted 2.00. Cash with order, please. GEO. J. HUGHES, BERLIN, N. J. ROOTED CUTTINGS. HELIOTROPE (dark) 60c. per 100; \$5.00 per 1000. FINEST DOUBLE FUCHSIAS, 75c. per 100, \$6.00 per 1000. NEW DOUBLE PETUNIA, The Queen. A fine bloomer, white mingled with purple, requires no staking. \$2.50 per 100. SALVIA Zurich, new dwarf ever-blooming variety. \$2.00 per 100. SALVIA Bonfire, 30c per 100. AGERATUMS, S. Gurney and P. Pauline, 50c. per 100, \$4.00 per 1000. Strong and well-rooted. Cash with order. J. P. CANNATA, MT. FREEDOM, N. J.



Plant for Name.—H. B. S., New York.—Probably a form of *Lonicera japonica*.

(47) Growing Tobacco for Fumigating.—Could I grow tobacco for fumigating or steeping in water for syringing roses to keep off bugs, and what process would it have to go through? D. F.

—The process of curing tobacco is such a tedious one that it would be very costly if grown purposely for fumigating, and we would not recommend it; tobacco stems and tobacco preparations are too cheap.

(48) Stocks for Decoration Day.—I have some stocks with six to eight leaves, in 2-inch pots, and would like to get the crop in bloom for Decoration Day, May 30. When should they be planted in the bench in the greenhouse, and about what temperature would they require? J. G.

—Plant the stocks on the benches the latter part of this month or very early in April. Allow a temperature of 50 degrees at night until the flower shoots begin to show; then increase the temperature to 54 or 56 degrees and feed with a little weak liquid manure once every five or six days.

(49) Sweet Potatoes.—What is the best way to grow sweet potatoes, time to plant, how and when? D. F.

—Bailey's Cyclopaedia suggests the following method: "Tubers of the last season's crop are 'bedded' for this purpose; that is, an outdoor hotbed is constructed in which the tubers are placed in a single layer, close together, and covered with several inches of soil early in Spring. In a few weeks the latent buds of the tubers, under the stimulus of the heat from the fermenting manure, will have sprouted, and by the time all danger from frost has passed, a dense growth of 'draws' or 'slips' will cover the bed. These are removed from the tubers, set by hand in the field in rows four feet apart—the plants eighteen inches, generally, in the row. The size of the bedded tubers does not affect the crop."

(50) Trouble with Mint.—I send you a sprig of mint which appears to be diseased. Kindly tell me what the trouble is. A. L. S., New York.

—The mint appears to be covered with red spider, which pest has been allowed to multiply to an enormous degree through wrong treatment of the plants. Keep the mint rather on the wet than the dry side; syringe freely on bright mornings and give plenty of air whenever the weather allows. It will also be a good plan to cut away all badly affected stems; new growth will start right away.

WE ARE NOT HEADQUARTERS for general nursery stock. We have some SPECIAL Stock at SPECIAL PRICES Berberis Thunbergii, Viburnum Dentatum, Etc. Write to-day LITTLEFIELD & WYMAN, North Abington, Mass.

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STANDARD VARIETIES Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chateau, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesley, White Cochet.

GRAFTED, 2 1/2 inch pots, 20c. each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1,000.

AMERICAN BEAUTY Own root, 2 1/2 inch pots \$3.00 per 100, \$75.00 per 1,000, 3 inch pots \$12.00 per 100, \$100.00 per 1,000. April, May and June delivery.

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300,000 CALIFORNIA PRIVET

1 year old, 18-24 in., 2-4 branches, \$15.00 per 1000; \$145.00 per 10,000; \$840.00 per 50,000. 2 year old, 2-3 ft., 5-8-10 branches, \$35.00 per 1000. 6 year old, standards, 5-6 ft. high, heads 2 1/2-3 1/2 ft. in diameter, \$75.00 per 100. 6 year old, standards, 4-5 ft. high, heads 2-2 1/2 ft. in diameter, \$50.00 per 100. 2 year old, standards, 4-5 ft. high, heads 18-24 in. in diameter, \$40.00 per 100. 6 year old, standard pyramids, 4-5 ft. high, 3-4 ft. in diameter, \$75.00 per 100. 6 year old, 3-4 ft. high, 2 1/2-3 ft. in diameter, \$50.00 per 100. 2 year old, 2 1/2-3 ft. high, 18-24 in. in diameter, \$40.00 per 100. ELMS, American, straight and fine heads, 11-12 ft. high, 1 1/2-2 in. caliper, \$40.00 per 100. ELMS, American, straight and fine heads, 9-11 ft. high, 1 1/4-1 1/2 in. caliper, \$30.00 per 100. ELMS, American, straight and fine heads, 9-11 ft. high, 1 1/4-1 1/2 in. caliper, \$250.00 per 1000.

EUROPEAN LINDENS, 12-15 ft. high, 2-3 in. caliper, \$50.00 per 100. ALTHAEA, double, white with maroon center, 5-6 ft. high, \$15.00 per 100. ALTHAEA, double, white with maroon center, 4-5 ft. high, \$12.00 per 100. ALTHAEA, double, white with maroon center, 3-4 ft. high, \$10.00 per 100. SPIRAEA BILLARDI, 3-4 ft. high, \$8.00 per 100. FORSYTHIA VIRIDISSIMA, 3-4 ft. high, \$10.00 per 100. LILAC, Rubra, Dr. Marley, 3-4 ft. high, \$10.00 per 100. DEUTZIA CRENATA, 4-5 ft. high, \$10.00 per 100. DEUTZIA GRACILIS, 4 year old plants \$8.00 per 100. YUCCA FILAMENTOSA, blooming plants, \$35.00 per 100.

I will have a large assortment of bedding plants for Spring out of twenty-five greenhouses, such as Roses, Geraniums, Heliotropes, Coleus, Salvia Bonlire (the best bedding plant of all) Lantanas, Verbenas, Begonias, Vinca Rosea, Alternantheras, red, yellow and pink, and all kinds of vase and hanging basket plants.

Carlman Ribsam 31 Wall St. Trenton, N. J. Greenhouses: E. State St. Nursery: Hamilton Av.

COLEUS

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 60c. per 100; \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate. Golden Bedder, Hero, Messey, Pearl of Orange, 75c. per 100, \$6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate. Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c. per 100, \$6.00 per 1000, 250, in assortment, our selection, at the 1000 rate.

MISCELLANEOUS PLANTS AGERATUM, Stella Gurney, Princess Pauline. SALVIA Splendens, S. Bonfire. HELIOTROPE. Rooted cuttings 75c. per 100, \$6.00 per 1000. ALTERNANTHERA. Red and Yellow. Rooted Cuttings, 50c. per 100, \$5.00 per 1000.

CHRYSANTHEMUMS

Ready for Shipment. Virginia Pochlimann, Angele Laurent, Golden Dome, Mme. Jeanne Rosette, Money Maker, From 2 1/2 in. pots \$2.00 per doz.; \$10.00 per 100. Mrs. Clay Erick, Zimmers Yellow, Mary Mann. From 2 1/2 in. pots \$1.00 per doz.; \$6.00 per 100. Rooted cuttings, \$5.00 per 100. CHOICE POMPONS, Klondyke, Quinola. CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita. From 2 1/2 in. pots, \$1.00 per doz.

STANDARD VARIETIES WHITE—Early: George S. Kaib, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Niveus, Queen, Alice Byron, Eureka, Miss Minnie Wanamaker, Adella. Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas. PINK—Early: Glory of the Pacific, Rosiere. Mid-Season: J. K. Shaw, Adela, A. J. Balfour, William H. Duckham, Dr. Engelhard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs. James Marshall. YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonaffant, Golden Wedding, H. W. Reisman, Yellow Eaton.

REI—Cullingford, Merstham Red, Matchless. BRONZE YELLOW—Mrs. William Duckham, Old Gold. POMPONS—Baby (Yellow), Lula (White), Briolas (Pink). From 2 1/2 inch pots; 5c. each, 50c. per dozen, \$3.00 per 100, \$25.00 per 1000. Rooted Cuttings: \$2.00 per 100, \$15.00 per 1000.

CANNAS

Our stock is true to Name. Extra Selected, plumb, sound, 2, 3, 4-eyed roots. Per 100 Austria \$1.20 Italla \$2.00 Allemania 1.75 King Humbert 12.00 Alba Rosea 2.00 Louise, pink 2.00 Alph. Bouvier 2.00 Metallica 1.50 America 2.00 M. Washington 2.00 Brandywine, new Mont Blanc 8.00 Musaeifolia, new 1.50 Black Warrior 3.00 Mrs. K. Gray 2.00 Buttercup, new 4.00 Oscoda, new 3.00 Burbank 1.20 Papa Nardy 6.00 Black Prince 2.00 Pennsylvania 2.00 Black Beauty 2.75 Premier gold ed 2.25 Coronet 2.00 Pres. Meyers 2.50 Chas. Henderson 2.00 Queen Charlotte 2.50 Crinoid Bedder 2.00 Q. of Holland 1.50 Evolution 2.00 Robusta, red 1.50 Egandale 2.00 Sec. Chabanne 2.00 Express, dwarf 4.00 Triumph 3.00 Flamingo 2.00 West Virginia 3.00 Flor. Vaughan 2.00 All kinds mixed 1.00 Gladiator, new 3.00 ed 1.00 Dahlias, field-grown, leading kinds for cut flowers, all named, per doz. 40c.; per 100 \$3.50. Caladiums escul. Elephant's Ear. Per 100 6-8 in. circumference \$1.50 8-10 in. circumference 3.50 10-12 in. circumference 5.50 Tuberoses, Pearl, 1st size, p. 1000 \$8.50 .50 Tuberoses, Pearl, 2d size, p. 1000 \$4.50 .50 Gladiolus gand., mixed, p. 1000 \$7.50 .50 25 at 100 rate. All other bulbs, etc., see catalogue. Shell Road Greenhouses, Grange, Baltimore, Md.

CANNAS

Fine stock, all good, 2 and 3 eye 10,000 mixed Cannas, all green-leaved varieties, \$15.00 per 1000. J. E. Sambrook Co., - Berlin, N. Y. CANNAS Strong, dry bulbs. P. Marquand, Italla, Austria, Mme. Berat, Robusta, Pennsylvania, Grand Rouge, V. Hugo, \$2.00 per 100; La France, \$3.00 per 100. ESTATE OF DAVID FISHER, Woburn, Mass.

1/4 MILLION CANNAS

GOOD TUBERS 2 TO 3 EYES True to Name ORDER NOW FOR DELIVERY ANY TIME

Red and Crimson Cannas

Louisiana, 7 ft. high, Doz. 100 1000 10c. each \$1.00 \$10.00 A Bouvier, 5 ft. 35 2.25 20.00 B.eante Poitevine, 3 1/2 ft. 35 2.25 20.00 Chas. Henderson, 4 ft. 30 2.00 17.50 Crinoid Bedder, 3 ft. 35 2.25 20.00 Duke of Marlborough, 4 1/2 ft. 35 2.75 25.00 J. D. Eisele, 5 ft. 35 2.25 20.00 Explorateur Crampel, 5 1/2 ft. 30 2.00 17.50 Express, 2 to 2 1/2 ft. 40 4.50 40.00 Flamingo, 4 1/2 ft. 30 2.00 17.50

Pink Cannas

L. Patry, 4 1/2 ft. 35 2.25 20.00 Luray, 3 ft. 35 2.25 20.00 Louise, 3 1/2 ft. 35 2.50 25.00 Mile, Berat, 4 1/2 ft. 35 2.25 20.00 Teunison, 5 1/2 ft. 50 3.00

Orange Scarlet Cannas

Pres. Cleveland, 4 ft. 35 2.25 20.00

Red, Gold-Edged Cannas

Indiana, 3 to 4 ft. high, 15c. each 1.50 10.00 Mme. Crozy, 5 1/2 ft. 40 2.75 25.00 Souv. de A. Crozy, 4 ft. 40 2.75 25.00 Premier, 2 1/2 ft. 35 2.25 20.00

Yellow Cannas

Buttercup, 3 1/2 ft. 75 4.25 40.00 Comte de Bonchard, 4 1/2 ft. 35 2.25 20.00 Florence Vaughan, 5 ft. 50 2.75 25.00 L. E. Bailey, 4 1/2 ft. 30 2.00 17.50

Bronze-Leaved Cannas

Brandywine, 4 to 5 ft. 35 3.50 25.00 Black Beauty, 5 ft. 50 2.75 25.00 David Harum, 3 1/2 ft. 50 3.25 30.00 Egandale, 4 ft. 50 2.75 25.00 Leonard Vaughan, 4 1/2 ft. 50 2.75 25.00 Musaeifolia, 8 ft. 35 2.25 20.00 Robusta, 6 to 8 ft. 30 1.75 15.00 Shenandoah, 6 ft. 35 2.25 18.00 Stadtrath Heidenreich, 4 1/2 ft. 20c. each 2.00 15.00

Orchid Cannas

Allemania, 4 to 5 ft. 35 2.25 20.00 Austria, 5 ft. 30 1.75 15.00 Italia, 4 1/2 ft. 35 2.25 20.00 King Humbert, 4 ft. 1.25 10.00 80.00 Kronus, 5 ft. 35 2.25 20.00 Mrs. Kate Gray, 6 ft. 35 2.25 20.00 Pennsylvania, 5 ft. 50 2.75 25.00

All above Cannas packed 250 in a case. Full case at 1000 rate; 25 at 100 rate.

Caladiums Esculentum (Elephant's Ear)

Bulbs measuring 6 to 8 in. Doz. 100 1000 in circum. 25 1.50 10.00 Bulbs measuring 8 to 10 in. in circum. 50 3.50 30.00 Bulbs measuring 10 to 12 in. in circum. 75 5.50 50.00 Bulbs measuring 12 to 13 in. in circum. 1.00 8.00 75.00 Monster Bulbs measuring 12 in. and upward in circum. \$1.50 per doz.; \$12.00 per 100.

Our Wholesale Catalogue of Quality seeds and bulbs now ready. It contains forty pages of seeds and bulbs you need, fully described. Write for it today—a postcard will fetch it.

Arthur T. Boddington SEEDSMAN 342 W. 14th St., NEW YORK CITY

ROSES

American Rose Society.

Special Prizes.

The large list of special prizes betokens a most creditable interest in the coming rose show. August Poehlmann, Morlon Grove, Ill. is manager; George Asmus, 879 West Madison street, Chicago, Ill., assistant manager, and will be in charge of exhibits.

Send an application for entry to T. E. Waters, secretary of the Chicago Florists' Club, or file with Benjamin Hammond, secretary of the American Rose Society.

It is urgently desired that all intending exhibitors will let the committee know early what they will send. Last year at Washington, D. C., exhibitors delayed doing this until the very last day in the afternoon, and the result was that the beautiful show which ensued, was really not known until it was on the ground, and this rush made it difficult to handle.

Secretary American Rose Society. Fishkill-on-Hudson, N. Y.

The following is the list of special prizes, and changes, additional to those which have already appeared in our columns—See page 77, issue of January 18, 1908.

One hundred Richmond, \$50 in gold, offered by E. G. Hill Company, Richmond, Ind.

For the most beautiful exhibit in the hall, \$20 in gold, offered by Miss M. I. Hammond, Fishkill-on-Hudson, N. Y. Each lady visiting the exhibition the first day will cast a vote on leaving the hall and the exhibit receiving the largest number of votes will receive the prize.

One hundred Killarney, \$50, offered by Robert Simpson, Clifton, N. J.

Fifty Liberty, \$25, offered by Adolph Farnwald, Hillside, Pa.

Fifty Killarney, \$25, offered by Dingee & Conard Company, West Grove, Pa.

Fifty Bride, \$25, offered by Traendly & Schenck, New York.

Fifty Liberty, \$25, offered by Emil Bentner, Park Ridge, Ill.

Fifty Kaiserin Augusta Victoria, \$25, offered by The Glode Coal Company, Chicago.

Fifty Golden Gate, \$25, offered by J. A. Budlong, Chicago.

Fifty Ivory, \$25, offered by J. F. Wilcox, Council Bluffs, Ia.

Best one hundred blooms of pink roses in the show, \$50, offered by Poehlmann Brothers Company, Chicago.

Fifty blooms red roses, Richmond and American Beauty excluded, \$25, offered by Poehlmann Brothers Company, Chicago.

One hundred Richmond, \$50, offered by Poehlmann Brothers Company, Chicago.

One hundred Kate Moulton, first, \$25, offered by Wietor Brothers, Chicago; second, \$20, offered by George Reinberg, Chicago.

One hundred Uncle John, \$25, offered by Wietor Brothers, Chicago.

One hundred Mme. Abel Chatenay, silver cup, value \$25, offered by Vaughan's Seed Store, Chicago.

Fifty American Beauty, \$50, offered by the Mogg Coal Company, Chicago.

One hundred Bride, \$25, offered by the Pulverized Manure Company, Chicago.

One hundred Sunrise, \$25, offered by the Florists' Review, Chicago.

Twenty-five Bridesmaid exhibited by growers with less than 50,000 square feet of glass, \$25, offered by Basset & Washburn, Chicago.

Twenty-five Bride exhibited by growers with less than 50,000 square feet of glass, \$25, offered by Basset & Washburn, Chicago.

One hundred Mrs. Potter Palmer, \$50, offered by S. Freeman & Sons, Chicago.

For the best new rose not in commerce and never previously exhibited before the American Rose Society; vase to contain not less than twelve and not more than twenty-five blooms, silver cup, value \$25, offered by F. R. Pier-son Company, Tarrytown, N. Y.

Fifty American Beauty, Cyclopeda of American Horticulture, by Professor L. H. Bailey, value \$30, offered by The American Florist Company, Chicago.

Twenty-five blooms of pink roses not disseminated prior to 1908, silver cup, value \$15, offered by J. B. Deamud Company, Chicago.

Twenty-five Bridesmaid, \$10, offered by W. W. Barnard Company, Chicago.

New Rose "My Maryland"

"MY MARYLAND" has more good commercial points than any other Rose. Price 2 1/2-in. pots, \$25.00 per hundred, \$200.00 per thousand, \$5.00 per doz.

JOHN COOK, 318 N. Charles St., BALTIMORE, MD.

ROSES FINE HEALTHY BENCH PLANTS

American Beauty } 8.00 per 100
Richmond } \$75.00 per 100

J. A. BUDLONG, 37 and 39 E. Randolph Street, Chicago, Ill.

Rambler Rose "Newport Fairy"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

AMERICAN BEAUTY PLANTS

From 2x3 in. rose pots at \$6.00 per 100, \$50.00 per 1000

READY APRIL 1ST

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

GRAFTED ROSES On best English Manetti Stocks

From 2 1/2 in. pots, March delivery Perles, Maids, Bridesmaids, \$12.00 per 100; \$120.00 per 1000. PHILADELPHIA CUT FLOWER CO., 1517 SANSOM STREET PHILADELPHIA, PA.

Hardy Roses

American Grown—Superior to Imported. We have unsold at the present time the following varieties—all field grown plants, grown in our nurseries at Rochester, N. Y.:

- | | |
|---------------------|-----------------------|
| Anne de Diesbach | Prince Camille |
| Chlo | Elch Bruner |
| Frau Karl Druschki | Crimson Rambler |
| General Jacquelinot | White Rambler |
| John Hopper | Yellow Rambler |
| Mme. G. Luzeit | Philadelphia Rambler |
| Marshall P. Wilder | Common Sweet Briar |
| Mrs. John Laing | Mme. G. Bruant |
| Paul Neyron | Wieburlana (The Type) |

These plants are in our storage cellars and can be shipped at any time. Prices on request.

ELLWANGER & BARRY Nurserymen—Horticulturists Mount Hope Nurseries, Rochester, N. Y.

VIOLETS — VIOLETS

Marie Louise, ready August 1st, clean and healthy in every particular, 3 in. pots \$5.00 per 100. Cash with order.

WM. J. CHINNICK, TRENTON, N. J.

Twenty-five Richmond, \$10, offered by George Keller & Son, Chicago.

Twenty-five Sunrise, \$10, offered by Leonard Kill, Chicago.

Twenty-five Uncle John, \$10, offered by F. R. Newbold, New York.

Twenty-five Killarney, \$10, offered by Kroeschell Brothers Company, Chicago.

Twenty-five Bride, \$10, offered by A. Dietsch Company, Chicago.

Fifty Mme. Abel Chatenay, \$10, offered by Welland & Ollinger, New Castle, Ind.

Fifty American Beauty, two tons of florists' bone, offered by Darling & Company, Chicago.

Twelve named varieties of hybrid perpetuals in pots, \$10, offered by Kroeschell Brothers Company, Chicago.

Twenty-five Killarney, \$10, offered by Holton & Hunkel, Milwaukee, Wis.

Best exhibit of cut roses, four varieties, twelve blooms of each, open to private gardeners only, \$25, offered by Harry O. May, Summit, N. J.

Two hundred lily of the valley, first, \$10, offered by H. N. Bruns, Chicago; second, \$8, offered by Poehlmann Brothers Company, Chicago.

Best vase one hundred American Beauty, silver cup \$100, offered by Crane & Company, Chicago.

Fifty blooms of new rose never before exhibited for competition, silver loving cup, value \$20, offered by Heller Brothers, New Castle, Ind.

4-in. Pot Roses

Strongly rooted, Well branched. All soil may be removed for safe shipment at light weight.

\$1.00 per doz., \$8.00 per 100, \$75 per 1000.

Alpes, Ball of Snow, Bonstetten, Caprice, Charita, Diesbach, Dinsmore, Giant of Battles, Jean, J. Hopper, Jubilee, Loret, Luring, Lambelin, La Roche, Lyonaise, Masson, Newton, Planter, Bohan, Baby, Cr. 1st, and W. Ramblers, R. Belle, Emp. of China, Hibawaba, Lady Gay, Perkins, P. Queen, R. Cottage, Seven Sisters, T. Belle, Hermosa, Degraw, Souper, A. Riviere, Baidin, Rambler, Garrett, La Detroit, Meteor, R. O. English, Str. and W. La France, Tepfitz, Rougere, Brabant, de Vetry, Devonensis, de Waterville, Kruger, Lombard, Maid, M. Jullot, M. Van Houthe, M. Louise, Notting E. and W. Vichets, Rainbow, Safrano, W. Hougere, M. Washington, Q. Scarlet.

\$1.25 per doz.; \$9.00 per 100; \$85 per 1000.

Beauty, Crawford, Et de France, Et de Lyon, Killarney, M. Dickson, Moss, Sunrise, Sunset, Testout, Wagram, Wootton.

\$1.50 per dozen; \$12.00 per 100. Beauty, Druschki, H. Dickson, J. B. Clarke, Niel. 400 Best Sorts on own Roots in 2 1/2-in. Pots; Summer Grown.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD OHIO

NEW IMPORTATIONS OF

Cycas Revoluta Stems

Arrived much earlier this season than usual and are in prime condition. If these are potted up at once many will produce crowns suitable for this Spring's sales.

We offer stems of all sizes weighing from 2 to 50 pounds each, at the following prices.

In lots of 100 pounds or under at 9c. per lb.

In lots of 250 pounds or over at 8c. per lb.

In lots of 500 pounds or over at 7c. per lb.

Send orders at once and secure some of this fine stock.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

CYCLAMEN

Splendens Giganteum Hybrids. Finest strain in the world. Perfect flowers of Giant type in 5 true colors twice transplanted from flats, \$3.00 per 100, \$25.00 per 1000.

Asparagus Plumosus Nanus. Special offer from 2 1/2 in. pots, \$3.00 per 100, from 3 in. pots, \$5.00 per 100.

Cannas Started from Sandbed. Alph. Bonvier, Chas. Henderson, Chicago, Pnpa, Florence Vaughan, Egan-dale, J. D. Cabos, Queen Charlotte, \$3.00 per 100, \$25.00 per 1000.

Cineraria Hybrida Maxima Grandiflora. From 2 1/2 in. pots \$2.50; from 3 in. pots, \$4.00 per 100.

SATISFACTION GUARANTEED. PAUL MADER, East Stroudsburg, Pa.

NEW VIOLET BOSTON

Entirely distinct, a strong grower, a free bloomer, and the finest single violet in cultivation. Ready for distribution in April and May.

\$12.00 per 100; \$100.00 per 1000. WILLIAM SIM, CLIFTONDALE, MASS.

2-Year-Old Everblooming Roses

OWN ROOTS. These are strong, well branched plants. They have been potted for some time and are well equipped with roots. Packing can be done very light and they will carry safely to any part of the country.

\$1 per doz.; \$8 per 100; \$75 per 1000.

- | | |
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| Baby Rambler | Hermosa |
| Clothilde Souper | Helen Gould |
| Maurie Van Houthe | Papa Gontier |
| Etoile de Lyon | Queen's Scarlet |
| Mme. Chatenay | Meteor |
| Mme. Grolez | Ct's Kaiserin |
| Snowflake | R. M. Henriette |
| Climbing Meteor | Strip'd Henriette |
| Bessie Brown | Safrano |
| Isabella Sprunt | White La France |
| Coq. de Lyon | Pres. Carnot |
| Perle des Jardins | Etoile de France |
| Yellow Cuchet | Sunrise |

HYBRID PERPETUALS. Paul Neyron, Mrs. Jno. Laing, A. Diesbach, 100 varietles; 2 1/2-inch pots.

WHITMANI FERNS, pot grown, 6 to 8 fronds, \$1.25 per doz., \$10.00 per 100; 2 1/2-in. pots, \$4.00 per 100.

JOHN A. DOYLE, Springfield, Ohio

Young Roses

Propagated from wood taken in the field

Send for Price List to-day

California Rose Co., Pomona, Cal.

VIOLETS

Princess of Wales, the only single violet worth growing. My necessity is your opportunity. To move immediately my stock of well rooted divisions, will sell at a bargain. Write for cash prices at once.

ALBION D. EMERSON, R. F. D., WESTVILLE, N. H.

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Weekly Medium of Interchange for Florists, Nurserymen
Seedsman and the Trade in General

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for Classified Advertisements.

THE NATIONAL FLOWER SHOW, under the auspices
of the S. A. F. O. H., will be held at Chicago, Novem-
ber 6 to 15, 1908. William F. Kasting, Buffalo,
N. Y., is chairman of the show committee.

National Council of Horticulture.

The following is the schedule for press bureau of
National Council of Horticulture, of articles to be dis-
tributed from March 7 to June 27, 1908:

March 7—Hotbeds, Rose Growing, Dietetic Value of
Fruits, Starting a Flower Garden.

March 14—Pansies, Flowers for the Beginner, Mock
Orange, Pruning.

March 21—Germination of Seeds, Home Vegetable
Garden, Hybrid Perpetual Roses, Viburnums.

March 28—Good Plants for Garden of Annuals,
Lawns, Apple Orchard Management, Dietetic Value of
Fruits.

April 4—Golden Bell and Sweet Shrub, Tea Roses,
Phlox, The Home Orchard.

April 11—A Backyard Garden, Hibiscus, Kohlrabi
and Brussels Sprouts, Raspberries and Blackberries.

April 18—Rag Plant, Hedges, Red Hot Poker Plant,
Currants and Gooseberries.

April 25—Chives, Hybrid Tea Roses, Dogwood, Sweet
Alyssum.

May 2—Deutzias, Growing Dahlias, Kale, The Mul-
berry.

May 9—Bellwort, Hardy Chrysanthemums, Savoy-
Leaved Cabbage, Salsify.

May 16—Cannas, Beautiful Vines, Salvia, Strawber-
ries.

May 23—Water Lilies in a tub, Japanese Iris, Deutz-
ias, Cucumbers.

May 30—Honeysuckles, Lawns, Succulent Plants,
Beans.

June 6—Home Vegetable Garden, Window Garden
Plants, Shrubs for Succession of Bloom, Garden's
Shady Nooks.

June 13—Polyantha Roses, Succulent Plants, Sweet
Potatoes, Dietetic Value of Fruits.

June 20—Asters for Autumn, Planting Strawberries
in July, Jun-berly, Zinnias.

June 27—Hardy Ferns, Squash, Lettuce, Designing
Planting Scheme for Next Year.

The Council has issued in book form the proceedings
of the Congress of Horticulture held at the Jamestown
Exposition on September 23, 1907, a valuable publica-
tion, indeed. The price is 25c.; the book is linen bound
and contains 108 pages. Copies can be obtained from
Secretary H. C. Irish, Missouri Botanical Garden, St.
Louis.

The Seedsman and Plant Nomenclature.

In our Seed Trade column we publish this week an
important set of resolutions concerning the naming of
seeds, grains and plants, adopted by the Wholesale
Seedsman's League at a meeting held on February 18,
1908, and to which we desire to direct the especial at-
tention of American seedsman and others interested.

The decision of the League to recommend to the Amer-
ican Seed Trade Association that that organization es-
tablish a committee on nomenclature similar to that in
operation by the S. A. F. O. H. is one which should
receive general endorsement. The wonder is that such
an influential national body as the American Seed Trade
Association should have gone so long without a com-
mittee of the character referred to.

The practice of renaming varieties of plants has been
altogether too prevalent, and any steps taken to curtail
or prevent it will be welcomed by the entire horticul-
tural world; and if the recommendations of the Whole-
sale Seedsman's League, as outlined in the communica-
tion to which we draw attention, are received with favor
and put in operation by the American Seed Trade As-
sociation, which they assuredly should be, a great step in
advance will have been taken to eliminate from the cus-
toms and usages of this particular industry a reprehen-
sible feature in its workings that has nothing in its
favor to support, but everything to condemn, it—condi-
tions that should not pervade the transactions of any hon-
orable and reputable business. The fact that the offence
is common in no way mitigates, but rather aggravates it.
Surely when any person or concern has benefited human-
kind by securing a valuable new plant, for whatever
purpose it serves, the introducer or originator should
not be robbed of the credit that is rightly his in the
premises. And this credit can be awarded and perpetua-
ted by a strict adherence to the original title and descrip-
tion.

The very fact that no "patent" or other similar right
to a new plant can be secured makes it all the more
imperative that the moral rights of originators and in-
troducers be safeguarded to them by the trade itself, so
far as that can possibly be done; for the position of
one's neighbor in this respect this year may be that
of himself next year. We are heartily glad that the
League has suggested a method of procedure which, if
carried out faithfully and fully, will help drive from the
business one of its worst and most militating evils.

The proposition to establish a joint board of arbitra-
tion, to whom all disputes as to nomenclature can be
submitted, is also an excellent one, and should be car-
ried out.

In regard to the registration of names, suggested by the
League to be adopted, either by itself or by the Ameri-
can Seed Trade Association, which, we feel sure, will
be put in force, we would urge, in this instance, as we
have previously done in the case of the S. A. F. O. H.,
that the right to register a name be fully established
before any record of the name is made and published.
No one is omniscient; and written descriptions of any
plant are never so satisfying as to newness (which
registration implies) as personal examination; therefore,
the latter plan should have the preference—should, in
fact, be the only one accepted—previous to the privi-
lege of registration being granted.

Registration, it has always seemed to us, has a far
deeper significance than the mere protection of the
right to use the name to the individual or firm regis-
tering. One cannot dissociate registration from the
fact that the subject registered is a new one—it must
be new or it would not require to be named; and while
the public or the trade may not pay particular at-
tention to the published registration entry *per se*, it is a
different matter when that name is used in the trade,
and represents something tangible. Therefore, the great-
est care should be exercised to protect the originator or
introducer on the one hand, and the trade and the pub-
lic on the other, by seeing to it that registration stands
for, in very fact, all that it carries with it.

But, as we have several times stated, we believe the
registration of plants and flowers could best be done by
the Bureau of Plant Industry of the Department of
Agriculture. It is in a better position to do this work
more satisfactorily than any horticultural organization,
national or otherwise.

Another point which, we think, demands modification
or adjustment, is the comparative descriptive method
very generally followed in these days. It is by no means
uncommon, when describing a novelty, to select the best
standard plant in its class, and thereon base the merits
of the newcomer, in some instances the remark being
made that the novelty is "bound to supplant entirely"
the worthy and tried sort with which it is compared.
And while there may be some truth in the statement that
"every knock is a boost," it has never seemed to us to
be the right thing that a novelty should ride on the
shoulders of its tried and tested predecessors to fame,
or fortune, for its introducer or originator. Every new
plant should stand and be sold on its own merits alone,
without reference to its superiority or otherwise to what
has gone before; a truthful statement as to these par-
ticular merits being all that is required, in our opinion.

Registered entries clearly demonstrate this weakness,
for such we regard it, of novelty laudation by compari-
son with proven-worthy standard kinds, and in this re-
spect the American Carnation Society has established
a commendable precedent, by confining its registration
entries to *facts* and eliminating *opinions*.

Our Field.

Information has reached us on several occasions
that one of our esteemed Western contemporaries,
as well as its representatives, has, in its bid for ad-
vertising business, made the unfounded assertion
that The Florists' Exchange is "merely an Eastern
publication." With equal force, we think, could the
argument be adduced, that the trade papers pub-
lished in Chicago are merely Western publications,
if one were maliciously inclined to put forward as
fact an unsupported, bald assumption. There is,
however, but little need of any endeavor on our part
to prove the fallacy of our contemporary's adroit
allegation. Our columns furnish all the evidence re-
quired to brand the statement to which we allude as
being made out of whole cloth, silly and puerile.

The Florists' Exchange, as its columns demon-
strate, covers the whole field where horticultural in-
terests exist. It is not only national, but interna-
tional. The news it furnishes is drawn not from a
limited territory, but from all over this country, and
from Europe as well; and the statement that its cir-
culation knows no territorial limitation is substan-
tiated by the unsolicited proof provided by our ad-
vertisers, who, through their offerings in The Flo-
rists' Exchange, have received satisfactory orders
from Maine to California, as well as from foreign
parts.

We are not at all disturbed by the practices of our
contemporary, here alluded to, and this explanation
would not have been forthcoming, save to show one
of the many base means resorted to by unscrupulous
individuals to secure patronage; and to convince
those who may in any way be influenced by taking
for granted as fact, what is so manifestly misrepresen-
tation, through having made little or no inquiry
into the matter. We feel assured that every busi-
ness man worthy of the name will laugh at such a
puerile plea for patronage as that which our con-
temporary advances, and which is but characteristic
of it.

The Florists' Exchange was established, and has
since its inception been conducted, on the old-fash-
ioned, but always safe and sure method which has
the truism "Honesty is the best policy" as its basis.
It is operated on what are recognized the world
over as good business principles. It has never been
called upon, nor has it been necessary, neither does
it consider it good policy, to throw out any "sop"
to secure business, for it firmly believes that when a
business man is tendered a gratuity in any shape
or form, over and above that for which he is paying
a cash equivalent, by just so much is the value of the
actual purchase lessened, and his faith in its real
worth (or service rendered) impaired. There is not
a self-respecting man to-day who desires to be re-
garded as an eleemosynary object; and no one who
esteems himself would seek to place his fellows in
that undesirable position.

So far as advertising goes, space in his periodical
is the commodity a publisher has for sale; his price
for that space is based on what he can dispose of
it reasonably and leave a margin of profit. If he
throws in anything additional, by way of induceme-
nt, then it is clear that either his original charges
are too high, or that the service he renders his pa-
trons along this line is of such a nature as to
require the free gift given to pacify these patrons,
and in a degree lessen their disappointment concern-
ing the inferior character of that service.

The Florists' Exchange congratulates those who
have so generously given it their support for the
past two decades, as well as itself, that its business
methods have been so generally appreciated. Not-
withstanding added competition, and unusual, unde-
sirable and untoward conditions which that compe-
tition has brought, The Florists' Exchange has met
all fairly and squarely and by doing so has never lost
one foot of ground. Conversely, it continues to ad-
vance, to make new friends and new patrons every
week, from East, West, North and South. This is a
state of things that, we have no reason to doubt,
will remain, for it has been brought about by, what
we are egotistic enough to believe, the inherent merit
of our publication, and by, what we are confident of
—impartial, and liberal treatment of all. On this
cast have we set our (business) life, "and will stand
the hazard of the die," which, so far, has been a
patronage reaching up to our most sanguine expec-
tations, despite the malicious misrepresentations of
our true status in the field of horticultural trade
journalism and other reprehensible methods that
blight the fair name of that honored and honorable
profession.

CLUB AND SOCIETY DOINGS

NEW YORK FLORISTS' CLUB. The club met on Monday evening, March 9, President Weathered in the chair. There was a fair attendance. The dinner committee, through Mr. Sheridan, reported and was discharged with thanks. It was pointed out that less than 20 per cent. of the total membership was present at the annual feast. The outing committee made a report on the lines already appearing in our columns. W. E. Marshall is chairman; Charles Schenck, treasurer, and J. A. Manda and Robert Schultze, sergeants-at-arms. It is hoped that the members will be as liberal in the way of advertising in the program and donating prizes for this occasion as formerly. The co-operation of the neighboring horticultural societies at Glen Cove, Bay Shore, Tarrytown, Red Bank, Madison, Orange and other points is to be asked.

N. C. Schreiner and R. Henry Cathcart were nominated for membership.

President Weathered appointed as a committee on transportation to the forthcoming S. A. F. convention at Niagara Falls, Messrs. Patrick O'Mara, H. A. Buryard, Charles H. Totty, J. T. Withers and John Young.

Professor L. C. Corbett, Horticulturist, Department of Agriculture, Washington, D. C., read an instructive paper on "Soil and the Florist," which appears elsewhere in this issue. At the close of his address Professor Corbett was awarded a hearty vote of thanks.

Quite a discussion followed, participated in by Messrs. DuRie, Hallock, Birnie and O'Mara. The chief points brought out were that the compost heap should be about ten months old before the compost is used on the benches. The heap should not be too deep, because the action of bacteria is not as great in a low temperature, nor in an excessively high one, or where it is too dry. When the soil is taken in the hand and it relaxes after being pressed, it is then in an ideal physical condition for use. During the months of July and August was the period when these bacterial organisms are at the highest efficiency. Soil that is put under cover is apt to get too dry and powdery, and in this condition one of the main objects in the preparation of the soil is defeated. Professor Corbett stated that it was necessary in order that the soil should be freed of all detrimental matter through freezing to keep the compost heap comparatively shallow, not to exceed the depth to which the soil naturally freezes, which in the vicinity of New York would be not more than ten inches.

John Birnie created some merriment by relating his experiences with different soils. In Canada where he was first employed after coming from Scotland the first carnations he grew were planted out in an abandoned negro cemetery of a clayey nature, and excellent results were obtained. When he went to Buffalo the soil was so sandy that the plants were often blown out of the ground in a windstorm, and there they also did well. In various soils on Long Island and New Jersey his carnations had also been satisfactory, and the first time he applied fertilizer to his soil was in his present location, the material having been brought from a heap where the carcasses of dead animals, such as dogs, etc., had been thrown. Often the compost contained the hairs of the dogs that had not decomposed, and the application of such compost had been beneficial. He was of opinion that the plants would find out their own nourishment in whatever kind of soil they were grown.

Mr. Hallock paid a tribute to the Government in its endeavor to assist floriculture, and stated that the time would soon come when Washington would be the mecca for the florists to gather information in their own particular lines.

Mr. O'Mara called attention to the eel-worm scare some years ago, and asked whether it would be possible to use the same soil for roses, carnations, violets, etc., from year to year if sterilization was practiced and the proper fertilizers applied. He spoke of the advancing values of real estate and the difficulty facing the florist in the securing of greenhouse soil in the future, and thought if this method could be safely followed, many men that are now rather staggered at the prospect in store for them would be glad to know of it.

Professor Corbett stated that it was quite possible for this to be done if, in addition to commercial fertilizer, well decomposed stable manure was added. The soil could be used indefinitely, but sterilization must be very carefully carried out so as to kill all germs of disease and insect life at every stage—from potting from the propagating bed, removal to the field and transplanting into the houses. In many sections of the old world today, which have been in cultivation for hundreds of years, the soil is as fertile as it ever was, brought about by proper fertilization and rotation of crops. The system adopted in this country is a robbery process, because, when the soil in one section has been drained of its fertility, the farmer removes to another one and continues the process. In answer to a question by Mr.

Hallock as to the danger of destroying the bacterial organisms mentioned by the professor when sterilizing the soil, Mr. Corbett stated that these organisms had already done their most effective work before the time arrived for the soil to be brought into the greenhouse. Destruction of any of the bacteria then remaining would not prove detrimental. The best test that had yet been discovered as to when the soil had been thoroughly sterilized, was, as he stated in his paper, by inserting a raw potato in the heap being sterilized, and when the potato is cooked, then the soil is in fit condition for use. Professor Corbett urged the necessity of careful and systematic sterilization. In concluding his remarks, he pointed out the interest taken by the Department of Agriculture in solving the problems of the florists, and asked the co-operation of the trade. While he did not deprecate the value of the State Experiment Stations, these institutions were not so well equipped as was the Department for this particular work. Already the Department has six greenhouses in which floricultural experiments are being made, and four more are to be added. They will thus be in a position to do more for the floricultural interests of the country than heretofore, and the florists should take advantage of every opportunity of securing assistance from the Department in the solution of the various problems that confront them.

President Weathered read a letter from Secretary Hammond of the American Rose Society calling attention to the forthcoming show of that organization in Chicago on March 25 and 26, soliciting exhibits and urging a large attendance.

The members interested in bowling discussed the subject of having a team to compete at the Niagara Falls convention, and, in order to create interest in the game, President Traudly of the S. A. F. offered to pay the transportation expenses to the convention of a team whose members should in practice average 155. Mr. Traudly's generous offer was received with acclaim, and steps were immediately instituted to form a bowling club. The meeting then adjourned.

There were several very interesting exhibits for the award committee to pass judgment upon. One of the most interesting was a vase of Bencon carnation, grown by William Eccles, superintendent of the Mortimer L. Schiff estate at Oyster Bay, L. I., N. Y. These flowers were so large and otherwise superior in their length of stem and color that few who knew the variety would have recognized it. The blooms were fully 3½ inches in diameter, and were carried on stems approximating thirty inches in length. Mr. Eccles said he had been cutting flowers of the same or of better quality all winter. He grows the plants in a night temperature of fifty degrees and feeds them with liquid manure; the variety is evidently one that will stand any amount of feeding, but does not demand a high temperature. Mr. Eccles was awarded a cultural certificate.

A. T. Boddington, seedsman, 312 West Fourteenth street, exhibited a plant of *Primula cortusoides* Sieboldii (syn. *Ramona*), Queen of the Whites. This was a beautiful and well-grown plant and was awarded the thanks of the club.

Anton Schultheis, College Point, L. I., N. Y., showed two plants of a new polyantha rose named Apple Blossom, and when one caught the fragrance of the flowers, he very easily understood the source of the name, as the full fragrance exhaled was a beautiful apple blossom scent. The plants, though small, were well furnished with flowers, and the variety is evidently one that will prove most useful as a commercial sort. Mr. Schultheis has a large stock in course of propagation, though no flowering plants are to be offered for sale this Spring. The committee awarded the plants exhibited a preliminary certificate. The pink carnation No. 20 from W. A. Manda, South Orange, N. J., was again exhibited and scored 76 points.

DUTCHESS COUNTY (N. Y.) HORTICULTURAL SOCIETY.—The regular meeting of this society was held at Poughkeepsie, N. Y., February 26, 1908, at which there was a large attendance to listen to a paper entitled "Our Profession" by Horace Deal of Rhinebeck, N. Y. President C. J. Reynolds presented a plan for beautifying some lots in the lower part of the city near the depot, which are at present decorated with billboards and growing to noxious weeds. His plan is to remove these boards, grade, plant and keep the lots as beauty spots as long as they may remain vacant. H. J. Osterhoudt exhibited several fine vases of *Antirrhinum majus* and *Primula obconica grandiflora*.

The next meeting will be a carnation meeting and will be held March 25, 1908. H. G. C.

NEW JERSEY FLORICULTURAL SOCIETY.—Carnation night was observed on March 6 with a large exhibition and a generous attendance. John E. Haines, Bethlehem, Pa., was present with Imperial and John E. Haines, W. A. Manda made an exhibit of a vase of one hundred blooms of his seedling No. 20, a new clear pink, showing well under electric light, soon to be introduced through John N. May, and James D. Cockroft, Northport, L. I., exhibited Harvard; Oscar Carlson, Fairfield, Conn., a new pink seedling No. 11. There were also exhibits of carnations from local growers. Lager & Hurrell and Julius Roehrs Company made

display of coral and other items also showing the new rose Newport Fairy.

A strong sentiment prevailed to continue special flower nights and W. A. Manda placed ten dollars in the treasurer's hands for cash premiums. J. B. D.

MONMOUTH COUNTY (N. J.) HORTICULTURAL SOCIETY. The annual banquet of this society was held at the Sheridan, Red Bank, last week. The decorations by W. Turner, H. A. Kettel, George H. Hale and N. Butterbach were exquisite, and the affair was a pronounced success. Dr. W. S. Whitmore acted as toastmaster and was at his best. Witty speeches were made by A. Herrington, Madison, N. J.; Rev. J. A. Reynolds; President Kennedy, and Henry Wood, president of the Elberon (N. J.) Horticultural Society. George Steele, John Yeomans, H. A. Kettel, and N. Butterbach, Rickards Brothers, New York, entertained the company with some of the latest songs. Among the visitors were F. G. Scollay and brother, Brooklyn, N. Y.; William O'Brien, R. Vance, L. E. Brown, J. Carliss, R. W. Stryker, Alfred Griffiths, Joseph Applegate and others. In all there were about 65 members and guests. B.

OUR READERS' VIEWS

The Argentine Ant.

Editor Florists' Exchange:

I wish to call the attention of your readers, and particularly that of all florists, and nurserymen in the Southern States, to the danger which threatens their business in the introduction of the Argentine ant. This insect has already become established at New Orleans and vicinity and while it is not known how far north it will thrive in the open air, it certainly is greatly to be feared as a pest in northern greenhouses. It is very injurious to many cultivated flowers and ornamentals, destroying the calyces, while in the South it threatens the fruit growing industry, as it feeds upon fruit buds as well as fruit.

The Argentine ant is also a fearful pest in the household, and indirectly favors the development of many species of Coccidia and Aphidida.

Its dissemination in shipments of groceries, food stuffs and household goods cannot well be prevented, but precaution should be taken against its introduction among greenhouse plants and nursery stock. It is reported upon reliable authority that in many greenhouses in the infested region every plant has more or less of the ants upon it, and serious losses may result if greenhouse plants are purchased in New Orleans or vicinity. Agricultural College, Mich. L. R. TAFT.



Robert B. Leuchars.

Robert B. Leuchars, founder of the Burns Memorial Fund and first president of the Burns Memorial Association, died March 3, at his home in Brookline, Mass., following a prolonged illness. He was eighty-five years old and had lived in Boston and its vicinity about fifty years. Mr. Leuchars was at one time an expert landscape gardener and following his retirement about twenty-five years ago became well known for his prolific writings on matters pertaining to horticulture, floriculture and arboriculture. In his earlier days, he laid out a large number of private parks in New York State. He served his apprenticeship with his father in Scotland and later was bound out to another gardener and still later did work on some of the finest estates in England.

Julius C. Gerlach.

Julius C. Gerlach of the firm of Borzow & Gerlach, florists, Newark, N. J., died on March 9, 1908, at St. Augustine, Fla., of heart disease following an attack of asthma. Mr. Gerlach went to St. Augustine for his health about five weeks ago. He had been sick for three weeks, but no fear was felt among his friends up to a day or two before his death, which was unexpected.

Mr. Gerlach was born in Thuringen, Saxe-Weimar, Germany, sixty-three years ago, and went to Newark, N. J., when about 20 years of age, where he engaged in the florist business, and was connected with it up to five years ago, when he retired, after a partnership of thirty-eight years. He was unmarried.

The deceased gentleman was widely known in Newark and was highly esteemed for his personal qualities. He was artistic in his tastes and possessed much knowledge and skill in making floral designs and arrangements. He took much interest in public questions and affairs.

Soil and the Florist.

Read by Professor L. C. Corbett, Horticulturist, Department of Agriculture, before the New York Florists' Club, Monday evening, March 9, 1908.

The subject which has been assigned for our consideration this evening is the commonplace, low, down-trodden subject of the soil; so commonplace indeed that no one stops to think of its origin, its mission, or the work that is going on constantly within it. Like many other commonplace, omnipresent subjects, the soil elicits from us no thought, no consideration, and no attention, except that which we are compelled to bestow upon it in order that we may wrest from it a livelihood. If we stop for a moment and consider the origin of the soil we find that it is the refined portion of the earth's crust, the earth's crust being made up of rock, of earth and of soil, and the most important of these is the soil, because it is the soil alone which furnishes a congenial habitat for plants upon which all the higher animals, including man, must depend for sustenance. The soil, therefore, is the most important factor with which agriculture has to deal, and is, at the same time, the one factor most often overlooked and the one about which we know least. While chemists have attempted to analyze it, physicists to separate it, and philosophers to philosophize about it, we know comparatively little of its intricate relations to the plants living upon it. If we were to stop and trace the relations which the various forces in nature bear to the formation of the soil we might spend all the time allotted to us on this phase of the subject alone. If we were to consider the action of frost, of heat, of moisture, and of plant and animal life which inhabit the soil, upon its formation, its character and its fertility, we should have a subject requiring many sessions to discuss.

In general farming operations the character of the soil must, in a great measure, be taken as it is found in nature. The farmer must make the best use of it that is possible under the environment in which he finds himself. With the florist, however, conditions are very different. The florist is working under an artificial climate and usually with an artificial soil. It is more economical in general for florists to combine the primary elements entering into the composition of soil for the purpose of producing the required composition for the special crop in hand, rather than to attempt to import from localities possessing such soil the amount required for his use. In other words, the florist is interested in the manufacture of as near as possible an ideal soil for the particular crop with which he is dealing. He attempts, through the construction of frames, hotbeds, and greenhouses, to produce artificial conditions which shall be congenial, and as nearly ideal as his knowledge will permit, for the house and rearing of the plants with which he is dealing. So also with the soil. It is his intention in placing soil in the greenhouse, for a particular crop, to make such combination of loam, sand, peat, and humus as will give ideal physical conditions for the roots of the particular crop and will at the same time produce an immediately available supply of plant food of the character demanded by the particular crop. While at the present time these matters are largely matters of routine and thumb rule, yet experience has taught us that certain proportions of leaf mold, of sand and of loam are best for carnations, while a slightly different proportion is best for roses, and so on through the list; some plants require soils which are loose and peaty in character, while others require those which are compact and somewhat clayey. These variations have never been taken up and studied systematically by chemists or physicists. In fact it is my belief that here is a very important field for investigation. The only work which has been done along this line, which I can bring to your attention, was that carried out by Galloway, in the study of lettuce soils, in which a very careful physical examination was made of the different types upon which lettuce was most productive.

Since soil is the loose conglomeration of broken down and disintegrated rock, of decayed plant and animal matter, some one has aptly paraphrased it as being "the cemetery of the ages and the resurrection of life." Surely when we look upon a house of carnations or roses and observe the delicious perfume, exquisite color and the perfect shape of the flower buds, we believe the poet was correct when he made the statement just quoted that the soil is the resurrection of life.

As has been noted, natural soils do not answer the purpose of the florist and the greenhouse man. We cannot afford to take nature's product, because in few instances are we able to secure an ideal combination, strange as it may seem, for the particular crop with which we are dealing. Nature builds not for special purposes but for general purposes, hence when we specialize in the cultivation of a particular crop and place it under extreme conditions where great profit must be derived it requires other factors than those found in nature, hence the necessity for the florist studying the composition of soils adapted to different crops.

Food Supply the Prime Factor.

In general agricultural parlance, as well as in floricultural literature, frequent allusion is made to soil fertility, to plant food, to fertilizers and methods of fertilization, but food supply is only one factor in which we are interested in the making of soils for greenhouse use. In field practice as well as under glass, too little attention is given to ideal mechanical conditions of the soil. The mechanical condition of the soil determines, first, the water-holding capacity of the soil, and the water-holding capacity of the soil which is dependent upon the mechanical condition determines the availability of the plant food which the soil contains, provided of course the plant food is there in sufficient quantity. It will be seen then that the question of the use and the availability of plant food is dependent upon the mechanical condition primarily, rather than upon any other single factor.

Other Important Considerations.

Other important considerations in connections with our greenhouse soils are freedom from weeds, freedom from detrimental insects and germs of disease. By special methods in the handling and preparation of greenhouse soils, these requirements and difficulties can be largely attained or overcome as the case may be. The mechanical consistency of the soil can be produced by a proper combination of sand, of compost, leaf mold, peat, loam, and manure, depending upon the ideal to be attained. The available plant food can be supplied through the use of thoroughly decomposed manure, of nitrates, potash salts, and the phosphates. In general, however, it should be the aim to combine the ingredients entering into a compost several months in advance of the time when it is to be used in the greenhouse in order that nature may have opportunity to prepare the materials contained in it for use by the plant. Comparatively few of the so-called fertilizers which are upon the market can be added to the soil and give immediate assistance to the plant. The soil must have an opportunity to, as it were, digest and assimilate these materials before they become of the greatest importance to the plant, and in this work the soil is assisted by the bacteria which it contains.

Facts About Bacteria.

No one should become agitated over the use of the word "bacteria," for we shall have much to say of it later on. In other words, the materials which are to be combined in the greenhouse soil should be thoroughly composted before they are used in the benches or in the pots. The importance of this is made clear by the fact that every milligram of soil contains between 30,000 and 1,500,000 minute organisms which derive the means of their existence from the materials in the soil. The personnel of this great population is constantly changing. Every minute sees a new generation brought into existence and an old one pass away, hence the remark, "the soil is the cemetery of the ages." Millions upon millions of generations of minute organisms are constantly passing in this great world beneath our feet. In natural soils these teeming myriads are found chiefly within the first four feet of the earth's crust, and the top soil which we cultivate and not more than a foot in depth contains by far the greatest portion of this soil population. This fact is of interest to us because the soil bacteria are of all types and classes, those which are beneficial and those which are injurious to crops, to man and to animals, and it is fortunate that this population is confined to the surface soil and that the water bearing strata of the earth is comparatively free from them. In other words, the water of the soil drawn from a strata ten or more feet below the surface is comparatively free from contamination by soil bacteria or surface bacteria, provided there is no surface drainage to it, hence the value of the deeper soil providing an uncongenial place for these organisms. The fact that so great a number of these organisms exist in the upper layer of the soil is due to the presence of decaying organic matter. Sandy soils contain fewer bacteria than clay soils, and the soils in which there is much decaying matter contain the greatest number. These organisms which are of importance to agriculture, known as soil bacteria, are able to transform the inert plant food in the rock particles, in the decaying vegetation and in the decaying animal forms into such shape as makes it available for the next generation of plants. These little organisms are the intermediaries between the past and the future generations that live upon the soil. In soils to which new supplies of organic matter are not frequently added these organisms after years of continuous action deplete the quantity of humus contained so that it has been found that the rich prairie soils when taken up for agricultural purposes may contain as high as 20 per cent. of humus and after 20 years of cultivation this supply was reduced to 2 or 2½ per cent.

An important function which these organisms play in cultivated soil is to bring the organic forms of nitrogen into forms available for plant use, which is that of nitrates. Without going into the discussion of the methods by which this is accomplished it is sufficient to say that these organisms thrive best in soils where there is an abundant supply of moist organic matter which does not become highly acid. The benefits from the use of

lime, gypsum and other materials which correct acidity may largely be attributed to the benefit which they work upon these minute organisms in the soil. The alkaline condition brought about by the application of lime and gypsum gives a more congenial home for the bacteria than does the acid conditions which are brought about by fermentation and decomposition. These bacteria work only upon the products of decomposition and fermentation and transform them into those forms of nitrogen which are available to plants. All of these steps are essential, but if one is excessive the other suffers in consequence. This operation of transforming the products of decomposition and combustion is called nitrification.

If our compost heaps are made somewhat in advance of the period at which the soil is to be used in the greenhouse, opportunity will be given for this digestive operation, which is carried on by the soil bacteria, to take place. Nitrification will take place, but in order that nitrification may go on it is essential that the compost heap be made not too deep and that it be kept moist rather than dry. Excessive heat is detrimental to their existence and causes a cessation of nitrification. Excessive cold operates in the same way. The height of the work is accomplished under July and August heat conditions with the normal moisture. Excessive moisture is quite as detrimental as lack of moisture, so that attention should be given to the condition of the soil while it is in the compost heap in order to make an ideal greenhouse soil.

This brief sketch will serve to illustrate the important bearing which these unseen and to most of us unknown organisms have upon the important work of our lives, that of making a livelihood. And strange as it may seem it is only within comparatively few years that science has known anything at all of the importance or the relation of these organisms to soil fertility and plant life.

The Limitations of the Chemist.

Years ago it was thought that the chemists could supply us information concerning the composition of our soils and the requirements of the plant. True it is, he can analyze plant products and tell us of what they are composed; he can analyze the soils and tell us what they contain, but his analysis is so far reaching that it does not tell us the relation which the constituents of the soil bear to the living organism—the plant. The fertility of the soil cannot be determined by chemical analysis. The plant alone is the only means of telling us what the soil contains so far as plant requirements are concerned. Mechanical analysis can tell us the fineness of the soil, the proportion of sand and of clay and of organic matter, but it can go no further. For the ultimate analysis in which we are most interested we must constantly return to the plant and by noting its behavior, its growth and its color, determine from experience what the soil lacks in order that we may secure the growth desired.

Value of Proper Moisture Conditions.

As I have noted, the mechanical condition of the soil determines to a very great extent its moisture-holding properties, or in other words, its drainage. This is a very important consideration, for upon the moisture content of the soil depends the soil solution, which is the minute quantity of water which surrounds the soil particles and which carries in solution the plant foods which have been derived from the soil particles, either organic or inorganic, through the action of the fermentation, decomposition and bacterial action. In many agricultural operations, including greenhouse work, proper moisture conditions for the plant determines more than any other factor the resultant crop, for if everything else is satisfactory—temperature, sunlight, food supply—and moisture alone lacking none of these have any beneficial effects. In fact, as soon as the moisture supply is withheld the beneficial action of the sun becomes deleterious, the heat which we attempt to supply to stimulate growth becomes injurious and the large amount of available plant food in the soil, instead of proving a benefit, becomes a factor of unrest. The plant suffers, declines and dies, but by the proper regulation of the moisture supply the plant thrives. Its functions can be maintained to a high degree, and in fact many of the injurious pests and organisms with which we have to contend in our greenhouse work can be controlled through a proper use of water. There is no more effective agent in the control of the red spider than water. Agriculturists, and particularly truck gardeners, are alive to the importance of an adequate supply of water to be used just at the proper time. Where extensive garden operations are conducted, oftentimes a heavy expense is incurred in order to provide an adequate supply of water which may be used only two or three times during the whole growing season, but the use of the water just at these critical periods measures the profit to be derived from the crop. Without water the crop would be a failure and under artificial conditions such as exist in greenhouses an artificial supply is absolutely necessary.

Water Temperature.

In view of these facts numerous experiments have been conducted to determine the effect of using water at different temperatures in watering plants, the idea being to determine whether or not growth could be stimulated by the use of warm water, and if the soil temperature

could be increased so as to lessen the cost of heating by this means. The general conclusions which may be drawn from these experiments seem to be as follows: That the temperature of the water, so long as it is above the freezing point, has no very marked influence upon the character or growth of the product. In fact, plants watered with water at 32 degrees and those watered with water at a temperature of 70 degrees show very little difference in the rate of growth, maturity or yield of product. The benefit which might be expected to come from the addition of warm water to the soil is only temporary. The temperature is only temporarily raised by the amount of water necessary for the requirements of the plant. When cold water is applied the temperature of the soil is for the time being slightly reduced, but it soon recovers its normal, and in the case of the use of very warm water the temperature is temporarily increased but very quickly returns to the normal, whatever that may be, according to the temperature at which the house is maintained, so that it has been found that the time and expense necessary in heating water for use on greenhouse crops is not justified.

Soil Sterilization.

In those portions of the United States where the soil does not freeze during the Winter months, or freezes only slightly, low organisms, called nematodes, are able to maintain themselves in the soil throughout the Winter. Under such environments these organisms have become parasites upon a great variety of plants and interfere seriously with the commercial cultivation of many crops throughout the northern portion of the United States, and in other sections where Winter conditions of the character above described prevail. These little eel worms, by attacking the tissue of the roots of the plants, cause galls or enlargements to appear upon the roots and as these are of a calky nature the normal function of the root is interfered with and the plant languishes and in many instances dies. In practically all serious infections from nematodes the possibility of a profitable crop is defeated. In the open there is no satisfactory way of combating these organisms except in the development of resistant strains of plants. In many instances perennials have been able to develop characters which make them immune or able to contend with these injuries, but in the case of most annual plants conditions are quite different and few of them, or comparatively few of them, are able to resist severe attacks of nematodes. On small areas it is possible to add materials which are more or less effective in the control of these organisms, and in some instances it is possible to sterilize the soil by means of heat, but on large commercial areas this is a different question. In greenhouses, however, the problem is quite different. As has been noted the soil is prepared artificially and the question of keeping it free from nematodes is much more easily handled than in field practices.

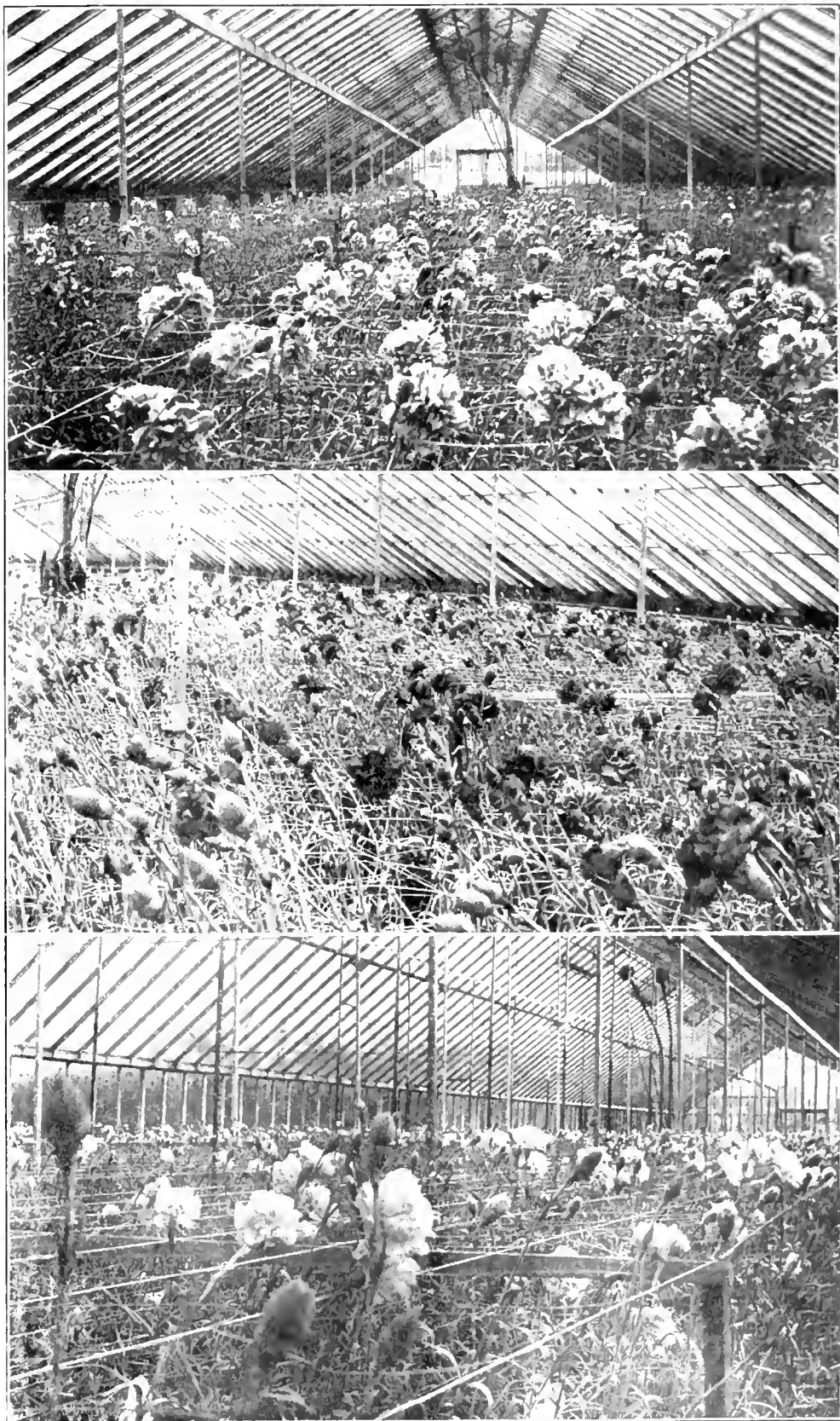
While root galls upon certain of our greenhouse plants have been known for a number of years, particularly upon tomatoes, cucumbers and roses, it was not until about 1892 that any definite information was to be had upon the subject. It had been determined that by freezing the soil in which nematodes were abundant they could be destroyed and a clean crop then grown in the same soil, but as not all the soil which is used in the greenhouse can be annually frozen, the idea of sterilizing the soil by heat took hold upon the growers and has been practiced with good results. The first idea was to sterilize the soil by heating it over an open fire in a shallow pan. This is effective for sand to be used in propagating beds and for sand to be scattered upon the surface of seed pans and flats where germinating seeds or spores are to be handled. When heating in an open fire in a pan is resorted to, in soils containing a large proportion of organic matter, the physical condition of the soil is very perceptibly changed and is less practicable than when not so heated. In fact its water-holding capacity is modified, its physical conditions are also altered by the destruction of a portion of the humus in the soil and then the chemical changes are decidedly interfered with. This practice, therefore, is almost entirely abandoned for the seeming better one of sterilizing the soil by the use of live steam. This work can be done either upon the benches when proper provision for doing the same has been provided, or it can be accomplished by means of a specially constructed sterilizing box. If the work is to be done upon the benches it can be accomplished by the use of drain tile laid at intervals lengthwise or crosswise of the benches and provided with an opening through which a pressure hose carrying live steam can be inserted. The steam passes through the tile and out into the soil, heating it to a sufficiently high degree to destroy these organisms. One difficulty with this method is that it requires a large amount of steam and it is not easy to cover the bed so as to hold the temperature in the surface soil at the same point that it is in the deeper layers. It has this advantage, that it does not necessitate the removal of the soil, but in ordinary greenhouse practice where raised beds are used the soil is annually removed, this advantage is of little consequence.

(To be continued.)

A BEAUTIFUL NEW ASTILBE. The hardy flowering plants known to florists as herbaceous species are by botanists classed as Astilbe and Aruncus. They are very decorative in the garden but of especial value for Winter cut blooms, as they force readily. Astilbe japonica has long been a favorite for its abundant fleecy white flowers, but has lately been supplanted by several beautiful new hybrids. The variety known as W. T. Gladstone, more compact and floriferous, is now largely imported in place of japonica. "Blondin," is claimed to be superior to Gladstone. The bloom is glistening milk white in color. Other good new hybrids, more suitable for garden use, have been produced by crossing the pink A. chinensis and even the new purple A. Davidi, with japonica. The colors are bluish white and silvery

pink. The Davidi cross can come in any shade. A splendid new white-flowered species from western China, not yet introduced in this country, is A. grandis. It is claimed to grow six feet high in rich, moist soil and bear panicles of bloom 2 1/2 feet long. The showy leaves are also over two feet in length. Doubtless hybridizers will use it as soon as it becomes available. W. V. F., in Rural New Yorker.

THE NEW WEAVES. Professor T. H. Chittenden, Entomologist, United States Department of Agriculture, Washington, D. C., discusses the subject in Circular 99, issued March 6, 1908. The circular is illustrated, and furnishes suggested remedies for these pests.



Reading from Top: Rose Pink Eucharist, Aristocrat, White Perfection.

Carnations at Establishment of Chicago Carnation Company, Joliet, Ill.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Indianapolis, Ind.

BEETEMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

Flowering Plants in the New York Market.

At this season of the year blooming plants are at their best, and the endless variety now seen in the window displays and throughout the florists' stores is nothing short of wonderful. Up-to-date growers are constantly experimenting with new and untried varieties, and many pleasing and attractive novelties result from their efforts. Flowering shrubs and garden flowers are commanding more attention every season, and every Winter sees a new or hitherto untried novelty offered to the public.

The Japanese flowering almond has been the most enthusiastically admired shrub of the season, both in standard and bush form. It has proven most satisfactory as a flowering house plant and is equally useful for window decoration. The grower delivers the plants in tight bud, which will develop perfectly in the house or store in about two weeks, when the bushes will present a mass of exquisite double pink flowers. After these have fallen the leaves make a start and grow rapidly, rendering the plants almost as attractive as with the flowers.

The crab apple is also being forced for this market and makes a nice addition to this class of plants. When in the bud the flowers are a reddish pink and when open develop a pretty shade of pale pink.

Kalmia latifolia is somewhat of a novelty at this season of the year. Well-grown nursery plants are used for forcing purposes. Plants that I saw displayed the past week were well worth while, and being out of season one scarcely recognizes the well-known mountain laurel.

Magnolias are likewise being forced by some growers and prove an attraction, although they seldom develop enough flowers to make them salable as flowering plants.

Some excellent specimen plants of wistaria in shades of mauve and purple are being displayed in the store windows, and some large plants of the white variety are wonderful, being a perfect mass of flowers. They are mostly trained in globular form, and make an attractive window decoration in themselves.

Forsythia is one of the best flowering shrubs for forcing purposes, its long branches of yellow flowers being very useful and decorative; in addition to being one of the easiest shrubs to force, it has wonderful lasting qualities, remaining good for several weeks after cutting.

The Japanese flowering quince is always beautiful. The European laburnum has been forced here, but it does not bloom profusely enough. I have seen a few plants displayed and the beautiful racemes of bright yellow flowers make it a most desirable acquisition.



H. H. Ritter.

Pres.-elect Dayton (O.) Florists' Club

Lilacs have now become a permanent feature in the plant market; the following varieties are considered the best for forcing: Charles X, Marie Legraye, and Louis Spaeth. This latter is the finest of the dark sorts, the clusters being very large and of a dark purple. The variety called Marley forces very early, and is a good white; Mme. Lemoine is the finest double white.

Pot plants of English wallflower are proving another good addition and sell readily to lovers of old-fashioned flowers. Some plants of polyanthus, in several brilliant shades, were shown as a novelty in one of the leading stores this week, and reminded one of the auriculas, once so popular in Europe. The brilliant amaryllis has also been seen in quite large numbers here this Winter, the flowers, being of good size and color, commanding attention wherever shown.

The English hawthorn, pink and white, when well grown, make surprisingly attractive plants and are especially durable as house subjects. The flowers develop slowly and stay on the plants for a long period.

Acacias we now have in several varieties. *Azalea indica* and *mollis* are numerous; genista, standard and in bush form, hyacinths, tulips, crocus, jonquils, daffodils and even snowdrops all help to make up an almost endless variety of flowering plants, suitable for all tastes and pocket-books.

D. RAYBUN.

F. H. Kramer.

Fred. H. Kramer, the newly elected president of the Washington (D. C.) Florists' Club, is a native of Alexandria, Va., and is thirty-eight years old. He opened a small establishment twenty years ago and since that time has gradually added to his local interests until now he is one of the largest dealers in cut flowers in the city. In his greenhouses in Anacostia he employs a large staff of men.

Mr. Kramer was a conspicuous exhibitor at the last meeting of the American Rose Society, when he won sixteen prizes and certificates. Among his exhibits was the new rose, Queen Beatrice, a variety which he introduced into commerce.

Mr. Kramer's interest in the affairs of the Washington Florists' Club has been of long standing. He has done much to further the success of the organization; his election was made by a large majority, and he has been heartily congratulated on the honor.



F. H. Kramer.

Pres.-elect Washington (D. C.) Florists' Club.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

A GOOD HOME-MADE CEMENT.—Something which the suburbanite frequently needs in small quantities, but which he rarely has on hand, is a good, quick-setting cement for uniting small fragments of iron, setting wooden handles into tools, and a hundred and one other small jobs. A very good cement which will answer almost any requirement may be made by dissolving common orange shellac in enough alcohol to form a paste. This may be kept on hand in a tightly corked bottle with a wide mouth—tightly corked, or the alcohol will evaporate. When it is desired to use the cement, place as much as it is desired to use in any small tin vessel and set the paste on fire. The alcohol will soon burn out, and the cement should then be quickly used, before it has time to cool. This cement is very strong and is water-proof.—Suburban Life for March.

March 14, 1908

Toledo, O.

Trade and News Items.

Business has suffered through the high water which the breaking weather has caused. Through a break in the bridge originally caused by the ice, a large part of our population and those living on interurban trolley lines rather stay at home than undergo the inconvenience of coming to the city.

Water entered the boiler-room of J. Fischer's greenhouses to the height of several feet and no fire could be made for a few days; fortunately the outside temperature was mild enough so that nothing froze during that time. The carnations in one house, planted in solid benches, were 18 inches under water.

The Schoon Floral Company has removed to 409 Adam street. Their new quarters are more commodious and far better located than the old stand.

The flower store of O. T. Wisner, which was opened on December 1 of last year in the heart of the city, has been closed and Mr. Wisner will give his entire attention now to the store and greenhouses located on Cherry street.

Clover seed reached to-day (March 9) \$12.15 per bushel on the exchange, which is the highest for several years. Seedsmen so far have not had a very good trade, as the weather has been very cold until now.

Our club went around visiting on Sunday, landing first at C. Kaminski's place, where everything was found in best order. John Gratopp's establishment is quite extensive; carnations are grown almost exclusively and a few bedding plants in a couple of old houses, where the sun does not reach. A new house, 41x125 feet, was built last Fall and will be used for roses; lettuce occupies it temporarily. Harry Heintz's place was found in splendid order. Roses and carnations take up the most of the houses and a large number of bedding plants is coming on; these have always been sold at planting season at a uniform retail price of 5c. each. At Chas. Koelker & Sons' plant carnations and roses take up most of the room; the balance is devoted to miscellaneous stock to be used for the store. S.

Cincinnati.

Trade and News Notes.

The less we say regarding the state of trade the better, and to quote prices is of no value to any one at the present time. Carnations and roses are rolling in, and the only outlet is the street merchants, composed principally of Greeks; but this state of affairs cannot last long. It is only when flowers are scarce that any one makes any money in the business, and if the growers would only stop building and keep the supply on the scarce side, they would save money and make money at the same time. Take for instance the violet—the Rhinebeck and Doughkepsie growers are not making their salt; there are too many in the business and all are trying to get a whole loaf; consequently, they are not getting more than a quarter loaf, if that. Growers who are forcing bulbs, such as Roman hyacinths, narcissus Von Sion, jonquils, lilies, etc., are losing money this season. Plantmen seem to be faring better, as that part of the business is not overdone.

The first Augusta gladiolus and the last chrysanthemums of the season were grown by Thomas Jackson of Latonia, Ky., and consigned to L. H. Kyrk, March 3.

Gus Ludwig and son, Allegheny, Pa., called on the 7th inst. on their way home from California. They seemed quite enthusiastic over the climate there, and undoubtedly it is fine.

This morning (March 9) brought one of the heaviest snowstorms of the season—about four inches, which is quite a fall for this section of the country. The Ohio river is again on a rampage, and 53 feet rise is expected. This, of course, will cause some uneasiness, but if it goes no higher the damage will not be great.

William Lampert, Xenia, O., was in the city March 7, and is thinking of opening a store in Hamilton, O.

The Green Dope (carnation coloring) men report heavy sales all over the country. Tromey's Flower Shop's dope certainly does put the green on a white or an Enchantress carnation. Fred Gear's will do likewise, and as long as the dear public want green on St. Patrick's Day, why not give it to them? E. G. G.

CANADIAN NEWS

OTTAWA. Our great snowstorms and days of 20 to 30 degrees below zero are, I hope things of the past. We are now getting some grand sunny days, which put quite a change on the stock, and may do away with some of the split carnations. All varieties around here are suffering from this trouble, with the exception of Beacon and Lady Beautiful. Roses are now looking well, and will be in fine shape for Easter. Violets and sweet peas are very plentiful and the sale has kept up well. In roses it is all Killarney and Richmond; every one wants them. Billions stock has been extra good and has sold well. Golden Spur lately leading Von Sion. Freesias this year have been a very salable article.

Plants for Easter are now making us think and watch. Spiraeas were very small, but have started very even and strong, and, with some of us, will have to be kept very cool or the last two weeks before Easter will finish them up. There is some very fine stock of rhododendrons this year. Azaleas are well in hand, but lilies are very poor; the percentage of diseased and poor ones is enormous, longiflorum being the worst.

The Horticultural Society held its annual meeting and showed a balance in the treasury; the last year was the most successful one yet. The officers elected were E. I. Mopsted, president; Lieut. Col. White, first vice-president; J. H. Putnam, second vice-president, and J. Watson, treasurer and secretary. E.

TORONTO.—The late F. C. Miller of Bracondale, Ont., was the introducer of several chrysanthemums and carnations, raised by George Hollis, the well-known Canadian hybridizer, who for some years was employed by Mr. Miller. Among the chrysanthemums may be mentioned Timothy Eaton, a yellow variety, and a pale yellow of this selected by Mr. Miller, who for years grew thousands of blooms for the Canadian market. He was a keen business man and built up a large establishment, mostly devoted to the cultivation of plants for cut flowers, in which he was assisted by two of his sons, who are bright, active young men. T. M.

WINNIPEG, CAN.—The Winnipeg Florists' Association held a meeting on February 28. The first part of the evening was devoted to the business of the association, and was followed by a very pleasant social hour, light refreshments being provided by Mr. Stolper.

This association, whose aim it is to promote trade interests and social intercourse among its members, was formed on February 18, and the officers elected were: President, Mr. Butchart; vice-presidents, Mr. Stolper and Mr. Aikens; secretary, Mr. Birch; treasurer, Miss Siddie; corresponding secretary, Mrs. Kempster.

Portland, Me.

H. J. Davis of Deering Center is desirous of selling out, owing to ill health. He has been in business in the same place for over 20 years. In case he fails to find a suitable purchaser by next Summer he will take down the greenhouses and erect some new ones on another site further out, using the present site for residential property, it having all the desirable requirements.

E. J. Harmon is now out of the growing end of the business. He conducts a cut flower store on Congress street. The greenhouses, formerly operated by Mr. Harmon, have been secured by his brother-in-law, Niles Nelson.

The Portland Floral Company has been succeeded by John J. Boyle. Mr. Boyle has a store on Congress street, where a general line of cut flowers and decorative plants are handled. Besides this, Mr. Boyle does considerable landscape work and handles hardy stock in quantity.

L. C. Goddard has several well kept greenhouses at Deering Center, and grows a general line of greenhouse stock. He reports business as having been good the entire Winter. J. M.

NEW YORK.—Henry Nungesser & Company received this week by steamer Florida 631 bags of clover seed. High-grade clover seed continues scarce and prices keep soaring.



GERANIUMS

A. H. Trago, John Doyle, S. A. Nutt, Bertha de Pressily, Mad. Barney, \$2.50 per 100. Our choice of varieties in pink, red and white, \$2.00 per 100.

BEGONIAS

Marjorie Daw, Thurston, Metallica, Rubra and Argentea Guttata, \$1.00 per 100. Tuberosus-Rooted—Single: In named colors, white, pink, scarlet, crimson and yellow, \$3.00 per 100; Mixed, \$2.50 per 100. Tuberosus-Rooted—Double: In named colors, white, pink, scarlet, crimson and yellow, \$5.00 per 100; Mixed, \$4.00 per 100. CANNAS, 2 and 3 eyes, Austria, Alemania, Charles Henderson, Fair Hope, Progression, Shenandoah, \$2.00 per 100; \$1.75 per 1000. Beauté Portevin, Crimson Bedder, Ecumelle, Florence Vanthou, Paper Nandy, \$3.00 per 100; \$2.50 per 1000. King Humbert, \$10.00 per 100.

THE STORRS & HARRISON CO., Painesville, Ohio

WANTED
ENGLISH PRIMROSES, FLOWERING PLANTS
 GIVE SIZE, PRICE, AND QUANTITY TO
J. H. TROY, "The Rosary" Flower Co.
 24 East 34th Street, New York City

ASPARAGUS SPRENGERI, 4 in., \$6.00 per 100. SMILAX SEEDLINGS, from flats 50c. per 100; \$4.50 per 1000. GERANIUMS: Nutt, Grant, from 2 1/2 in., \$2.25 per 100. SALVIA BONIFIRE, strong seedlings, \$1.00 per 100; \$8.00 per 1000. CARNATIONS, unrooted cuttings, Harlowarden, Joost, Genevieve Lord, \$5.00 per 1000, cash with order.

C. A. PETERSON
 MAIN STREET, MADISON, N. J.

ROOTED CUTTINGS. Prepaid per 100. Heliotrope, blue; German Ivy, 75c. AI terranthera best red and yellow, 50c. Fuchsia finest kinds; Giant Marguerite Daisy, yellow; Double Alyssum, \$1.00. Ageratum, Garney and Pauline. Colens, best bedders. Verbena, best colors, 80c. Salvia, Bonfire and Splendens, 85c. Bargain, to move at once; Primula Obconica Grandiflora mixed, and Baby Primrose, 2 in. Will make fine stock for Easter if handled at once. \$1.75 per 100; 300 or more, \$1.50 per 100. Cash.

Shippensburg Floral Co., Shippensburg, Pa.

Imported ORCHIDS Just to Hand

LAELIA PURPURATA, CATTLEYA INTERMEDIA, CATTLEYA MOSSIAE

JULIUS ROEHRS CO.

The Orchid Nurseries, RUTHERFORD, N. J.

COLUMBUS, O.—Word was received here from the American Minister at Guatemala City of the death last Sunday of Prof. Kellerman, head of the botanical department at the Ohio State University. He went to Guatemala about a month ago to study the flora there. He was 50 years old and a graduate of Cornell University.

LARAMIE, WYO. At the annual meeting on March 2 of the Wyoming Plant and Seed Breeding Company, which has large farms at Worland, Wyo., the following trustees were re-elected, all the stock being represented: Aro Halsey of this city, Dr. V. T. Cooke of Cheyenne and Bert C. Buffum of Worland. The company is raising alfalfa and other grains for seed and experimenting on the best seed to be grown in this State.

DAHLIAS (Field-grown roots). Wm. Agnew, Countess of Lansdale, Nymphaea, Mrs. Wellesley, Admiral Dewey, A. D. Lyndal and Fern-Leaf Beauty, \$5.00 per 100; Grand Duke Alexis and Kriemhilde, \$7.00 per 100. MARGUERITE, Queen Alexandra, \$3.00 per 100; Coronation, \$3.00 per 100. BOSTON FERNS, Plants well established in 2 1/2-inch pots, \$1.00 per 100; \$30.00 per 1000. SMALL FERNS, 1/2 in. dia., \$2.50 per 100. BOUGAINVILLEA GLABRA SANDERIANA, 2 1/2 inch, \$4.00 per 100; 1 inch, ready to bloom, \$20.00 per 100. BOXWOOD, Pyramids, 36 inches high, \$1.75 each. BOXWOOD, Bush form, very heavy, 30 to 36 inches high, \$2.00 each. RHODODENDRONS, Short, well-formed plants for pots, full of buds, 18 inch size, \$9.00 per dozen; 24 inch size, \$12.00 per dozen. AZALEA MOLLISS, Bushy plants, full of buds and easy to force, 12 to 15 inches high, \$25.00 per 100; 15 to 18 inches high, \$35.00 per 100. KENTIA PALMS in all sizes. LATANIA BOHIBONICA, 7-inch pot plants, 5 to 6 leaves, 13 to 20 inches high, 75c. each; 8 inch pot plants, 6 to 7 leaves, 20 to 22 inches high, \$1.25 each.

Special to Stores that handle plants.

GEO. A. KUHL, Pekin, ILL.
 Wholesale Grower for the Trade

Easter Plants

LILIES, 3, 4, 5 and 6 buds. HIBISCUS, 6, 7, 8 and 9 in. pots. SPIRAEA, 4 varieties, 6 and 7 in. pots. CRIMSON RAMBLERS, 5 and 6 in. pots. BABY RAMBLERS, 3, 4 and 5 in. pots. MADAM SOUTHERS, 3 and 4 in. pots. BLUE STOCK of all kinds. PRIMULA OBCONICA, 3 and 4 in. pots.

Order now and name day of shipment.

ASPARAGUS Plumosus and Sprengeri, strong plants, 2 in. pots, \$2.25 per 100.

STOCKS, double white, in bloom, 6 in., 20c. each.

ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100.

GERANIUMS, double scarlet and red, \$1.75 per 100.

ARAUCARIAS, 2 in., four tiers, \$1.00.

FERNS, Scotch, 4 in., 10c.; 5 in., 15c.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

J. H. DANN & SON
 WESTFIELD, N. Y.

AMPELOPSIS VEITCHII

10,000 well-rooted, 20 to 30 inch, \$2.50 per 100; \$20.00 per 1000. 1000 one-year seedlings, 12 to 24 inch, \$1.50 per 100; \$12.00 per 1000. In pots of 2000 and over, \$10.00 per 1000; fine for transplanting; packed free of charge. For samples by mail send 25c. in stamps.

Address, CHARLES BLACK, Hightstown, N. J.

Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

NEPHROLEPIS AMERPOHLI

PHILADELPHIA LACE FERN

\$12.00 per 100, \$100.00 per 1000

5% off cash with order.

These are good strong plants that were potted November and December last.

We need the room and must move them.

Also a fine lot of 6 1/2 inch pots at 75 cents each, 25 or more at 70 cents each.

This is the most talked about fern of the lot and has been awarded a great many honors, including a medal by the **Royal Horticultural Society of London** and the "Kill Cup" by the **Pennsylvania Horticultural Society** for the **most meritorious new plant introduced in 1907.**

Equally as good as green for cut flowers or pot culture.

The stock here offered is in superb condition.

WILLIAM P. CRAIG, 1305 Filbert Street, Philadelphia, Pa.

FERNS

MY SPECIALTY

I have an immense stock of assorted ferns for Jardinieres, healthy and bushy, none better; in 15 of the best market varieties, including *Cyrtomium Falcatum*, *Aspidium Tausseense*, *Pteris Wimsettii* and *Mayll*, in good proportion, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.

CENTER PLANTS (Exact Size)

Kentia Belmoreana, 2 1/2 in., \$1.30 per doz., \$10.00 per 100.
Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.

Adiantum Cuneatum, fine stock, 2 1/2 in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$5.00 per 100, \$45.00 per 1000; 4 in., \$12.00 per 100, \$116.00 per 1000.

Adiantum Farleyense, 4 in., \$4.75 per doz., \$35.00 per 100, \$300.00 per 1000; 5 in., \$6.00 per 100, \$50.00 per 1000; 6 in., \$12.00 per doz., \$100.00 per 1000.

Adiantum Graeblium, 2 1/2 in., \$3.50 per 100, \$30.00 per 1000.
Cibotium Schiedel, 4 in., \$3.50 per doz., \$25.00 per 100.

Nephrolepis Scottii, 6 in., \$7.00 per doz., \$60.00 per 100; 8 in., \$15.00 per doz., worth the double.
Elegantisima and *Pieroni*, 5 in., \$5.50 per doz.

Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, SHORT HILLS, N. J.

LATANIAS

Fine strong plants, 2 in. \$3.00 per 100, \$25.00 per 1000; 3 in. \$6.00 per 100, \$50.00 per 1000; 4 in. \$15.00 per 100.

KENTIAS, *Belmoreana* and *Forsteriana*, 4 in. 25c., 35c.; 5 in. 50c., 75c.; 6 in. \$1.25, \$1.60; large plants, \$2.00 to \$35.00 each.
PHOENIX, large, from \$2.00 to \$40.00 each.

PANDANUS Utilis, strong 2 in. \$3.50 per 100; \$30.00 per 1000.

AZALEAS INDICA, fine plants, 35c. to \$2.00 each.

FERNS

Boston and *Pieroni*, 4 in. 15c., 5 in. 25c., 6 in. 50c., 7 in. 75c.
Whitman, 4 in. 25c., 6 in. 60c., 8 in. 75c. to \$1.00; 7 in. \$1.50 to \$2.00, 8 in. \$2.50, \$3.00, \$3.50.

Small FERNS for dishes in Al shape, \$3.00 per 100, \$28.00 per 1000.

John Bader, Mount Troy, ALLEGHENY, PA.

FERNS

Boston, *Scottii*, 4 in. 15c.; 6 in. 40c. Some extra heavy *Scottii* at 60c. each. All pot grown.

Asparagus Plumosus, 2 1/2 in., \$3.50 per 100.
KENTIA Belmoreana, 4 in., \$25.00 per 100.

Standard varieties of carnation cuttings at popular prices.

H. WESTON, Hempstead, N. Y.

NEPHROLEPIS

WHITMAN, 2 1/2 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.

FERNS, *Boston*, 2 1/2 in. \$3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

Nephrolepis Scottii

In the following sizes, extra good value: 2 1/2 in., 60c., 75c. and \$1.00. **GRAND SPECIMEN PLANTS** at \$3.00, \$4.00, \$5.00 and \$6.00.

JOHN SCOTT

Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Holly Ferns

Some extra fine plants of *Cyrtomium falcatum* the *Holly Fern*, *Pteris Wimsettii*, *P. cretica albo*, etc., in 3 in. pot at \$6.00 per 100. 2 in. stock all sold for the present.

R. G. Hanford, Norwalk, Conn.

FERNS For Jardinieres

Best varieties, strong, healthy plants from 2 1-4-inch pots, \$3.00 per 100; \$26.00 per 1000. 500 at 1000 rate. 3-inch, \$6.00 per 100.

CIBOTIUM Schiedel, 6-in. pots, \$1.00 each. *Nephrolepis Scottii*, 7-in. 75c. and \$1.00 each; 9-in. \$1.50 and \$2.00 each.

FRANK N. ESKESEN, Main Street, Madison, N. J.

FERNS

BOSTON, 3 in. \$6.00; 4 in. \$12.50; 5 in. \$28.00; 6 in. \$40.00 per 100; 7 in. 90c. each.

PIERONI, 3 in. \$6.00; 4 in. \$12.50 per 100. *ASPARAGUS PLUMOSUS* or *SPRENGERI*, 2 in. \$3.00; 3 in. \$6.00; 5 in. \$40.00 per 100. Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

FINE FERNS FOR JARDINIERS

Very bushy and in best varieties. Liberal count on all orders. 2 1/2 in. pots, \$3.00 per 100, \$25.00 per 1000.

Asparagus Plumosus, 2 1/2 in. pots, \$3.50 per 100, \$30.00 per 1000.
Cibotium Schiedel, 6 in. pots, \$1.00 each.

Thomas P. Christensen, SHORT HILLS, N. J.



1657 Buckingham Place,
CHICAGO, ILL.

ROBERT CRAIG & CO. ROSES, PALMS, CROTONS

CARNATIONS and Novelties in DECORATIVE PLANTS
 Market and 49th Sts. PHILADELPHIA, PA.

THE WEEK'S WORK

Timme's Timely Teachings.

Alternantheras.

The rigidly formal style of flower bed construction is still finding admirers everywhere. The spectacular absurdity may be a thing of the past, but the so-called carpet bed is yet largely in evidence. Alternantheras by the many thousands of 2-inch plants must be grown annually to supply the demand. But they are good for many other purposes besides forming the greater part in the body of carpet beds. As a lining to walks and borders or an edging around flower beds the plants are often used, presenting a neater and more finished appearance than any of the few things florists are able to offer for just such purposes. Alternantheras are easily multiplied, there being several ways in which to provide amply for what may be needed during the coming bedding season, these plants being among the last to be set out. Old clumps, lifted and boxed last Fall, or cuttings struck at that time and also wintered in boxes, if not actually ruined by neglect, will now show a bright growth, every bit of which, if clipped off and inserted closely together in warm sand, will root, and after being potted up and grown on will again furnish a crop of cuttings to be rooted later. Should there be plenty of stock obtained in this manner, several of the rooted cuttings put into 2-inch pots will then be the quicker way of working up a goodly lot of nice, salable plants. Old stock plants may also be torn apart and the pieces potted up singly. Light, porous soil, kept moist, suits alternantheras, and a bench up near the glass, warmed from underneath, is the best place for

them, better than hotbeds or frames. The retail grower does well in keeping some of all varieties in stock, all colors being in demand; and if later on he can find time to grade his stock into first and second size, fixing the price accordingly, it will be to his interest and of advantage to those who must do the planting out.

Sweet Peas.

Indoor sweet peas, sown in January or February, are now coming along fast and need attention. When grown in shallow benches in the richest of compost, this to be of no greater depth than four inches, sweet peas are an easily managed by-crop in the early part of Spring, not the bothersome and unprofitable nuisance they frequently turned out to be under more indulgent methods of indoor culture as practiced formerly. Important details from now on in their treatment are thorough watering with intervals between of sufficiently long duration to permit the soil to become just dry enough to show the need of more water to prevent actual wilting of the vines, which, of course, should never occur. When buds appear it is time to keep the soil constantly moist, and at the least signs of diminution in the size of flowers or length of stems liquid feeding instead of pure water is resorted to in reasonably rich doses twice a week as a means of prolonging the picking of salable peas for several weeks. Ventilation, as long as firing is on and before the outside temperature has left the shivering point, must be handled with greatest care. Excessive fumigation, sometimes doing more harm to sweet peas than good, will then not be necessary in keeping the vines free of aphids. A weak dose of smoke is all-sufficient if sent through the house once or twice a week, nicotine or aphid punk being the stuff to use instead of raw tobacco stems for sweet peas.

Though it may seem early for any sort of outdoor gardening, it is not any too early for the grower of sweet peas to think of making his first sowings. If he has heeded the advice so often held forth, his sweet pea field will have been heavily manured, deeply dug and properly laid out last Fall, posts set and all in perfect readiness for immediate planting after but a day or two of thawing and drying three or four inches down. That is the time to sow sweet peas for first and best results in the open.

Azaleas.

The fact that *Azalea indica* may safely be forced in a high degree of heat is of little advantage to the grower whose azaleas are to be in bloom at Easter. On the other hand, their perfect willingness to remain inactive until now, if only kept cool enough, makes them easily managed Easter plants from now on. The only baffling point in their treatment as such is to thwart their over-readiness to break into next year's growth at the cost of this season's blossoms. The careful picking away with thumb and finger from around the swelling flower buds is the remedy, some of the varieties needing pretty close watching so as not to be too late in removing the fast advancing shoots, while some of the late sorts give no trouble in this respect. These latter should now be removed to warmer quarters. If kept in a temperature averaging 40 degrees at night and no great headway has as yet been made to justify fears of their coming too soon, a rise of from 10 to 15 degrees will likely suffice to bring them into bloom at the right time for Easter. Azaleas to be in best form need liberal spacing between plants and an occasional turning when perfecting their flowers.

Spiraeas.

All plants under forcing need great quantities of water, none more than hydrangeas and spiraeas. These latter are now showing buds, and if these spikes and the foliage below them are to attain highest perfection, there must then be no halt or hitch in their steadily progressing development, which would surely happen were we to let spiraeas suffer for the want of water, or, more correctly, for the want of sufficient water. The soil may appear to be moist, but this remnant of moisture is converted into the body of the plant in less than an hour on bright days, and watering, therefore, becomes now one of the duties not regulated by daily routine. Spiraeas from this date until flowered out will, more than any other plants under fore-

Araucarias

Nice plants from 5 in. pots—
 4 to 5 Tiers
 60c. each; \$5.50 per dozen.
THE CONARD & JONES CO.
 WEST GROVE, PA.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.
Sander, St. Albans, England
 and
 235 Broadway, Room 1, New York City

ORCHIDS

We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1903, at greatly reduced prices. Write us for information as to kinds and prices.
 We have just received the following orchids: *Oncidium Tigrinum*, *O. Sarcoodes*, *O. Forbesii*, *Sophranilla grandiflora* and *coccinea*.
LAGER & HURRELL, Summit, N. J.

ORCHIDS

We shall receive this Spring large quantities of imported ORCHIDS, namely: *Cattleyas*, *Dendrobium*, *Oncidiums*, *Laelias*, *Vandas*, etc. Our facilities for handling large consignments are second to none. We have four collectors, including our Mr. Carrillo, who collect exclusively for us. Our quality and price are too well known to need further comment—a trial order will prove it.
Carrillo & Baldwin, Secaucus, N. J.

ALTERNANTHERAS

Strong rooted cuttings, red and yellow, 50c. per 100, or \$4.00 per 1000. *Brilliantissima*, 60c. per 100, or \$5.00 per 1000.
DAVIS BROS., Morrison, Ill.

ing, demonstrate the good derivable from judicious feeding. Manure water given every other day in about the same strength as fed to potted Easter roses, will show a marked effect and greatly improve the general appearance of spiraeas. Since they are not troubled by insects and tobacco fumes are apt to ruin their foliage, it is better not to expose them to smoke. From 50 to 55 degrees is high enough for spiraeas.

Vincas and Ivies.

In late years, at the close of every planting season, we found that, had we had more of both English ivies and trailing vincas, we could have sold them easily, and for various kinds of outdoor work we could have used them to advantage. Strange, is it not, that plants so useful, so rapidly propagated, so easily grown into fast selling stock and so steadfast in heat and cold, should ever become scarce, when nearly all else is almost always in oversupply? Although propagation so late as this will not increase the stock on hand for this season, it will result in good plants for next year, the vincas to be grown in the open field and the ivies to be shifted from small to larger pots and kept in open frames until Fall. Both of them are quite hardy and need not be housed until very late and can also be carried through the Winter in outdoor frames, if so desired.

Abutilons.

Bottom heat while it lasts and the spare room in the propagating sand, now gained by frequent clearings, should be utilized to the utmost in the rooting of cuttings of all such stock as no retail grower can afford to be without. This includes abutilons, a class of plants altogether too sparingly represented in what florists strive to have in stock for their current local trade. There is hardly any purpose for which some one variety of abutilon could not be used by florist or gardener. All are good and easily grown subjects for the greenhouse, most of them well-branched bush plants, with a few varieties among them of so rampant a growth as to render them fit for the covering of walls, posts and trellises, tireless yielders of fairly good cut material. Many of the varieties will do for Summer bedding as well, either as flowering plants for the border or as brightly variegated foliage plants in groups or as an edging to beds of taller kinds; while a few sorts, being of a trailing habit, and richly variegated, produce a fine effect when used in the filling of vases and boxes. Cuttings of all kinds, the semi-matured new growth, root readily at this time of year, and the treatment of abutilons in general differs but little from that of geraniums.

Asters.

It is now time to make the first sowings of China asters, early, mid-season and late varieties. Seed trays filled with ordinary, sandy, but doubtlessly sweet or fresh potting soil, and a light, airy house for the seedlings after they are up, will for a few weeks yet give entire satisfaction in the starting of asters. For later sowings and for the first batches after being once transplanted the mild hotbed and frame will prove the better place for all asters before being sold or planted out. Asters should be of good size, just beginning to show a bit of stem, when planted in the field, and this planting out should not be hurried, should not take place before the ground is somewhat warmed, mellow and, in short, in the proper condition for planting, and the asters by that time should be well hardened off, firm and unquestionably sound plants.

FRED. W. TIMME.

Asparagus

Sprangeri, 2 in. 2c.
SWAINSONA Alba, 2 in., 2c. FERNS, Personi and Elegantiissima, 2 in., 3c. IM-PATIENS, 2 in., 2c.

CABBAGE PLANTS, Wakefield, Express, and Windingstadt, \$1.00 per 1000.

Rooted Cuttings

Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 3 kinds, \$1.00; Vinca Variegata, 90c.; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Flowering Begonias, \$1.25; Coleus, 10 kinds, 60c.; Hardy Pinks, 5 kinds, 75c.; Ageratum, Gurney, Pauline, Infatigable, white, 60c.; Alternanthera, 3 kinds, 50c.; Salvia, Bonfire, Splendens, 90c.; Feverfew, Gem, \$1.00; Impatiens, 3 kinds, \$1.00; Parlor Ivy, 75c.

Cash or C. O. D.

BYER BROS., CHAMBERSBURG, PA.

Pansy Plants

Giant Flowering, one of the best strains on the market, \$2.50 per 1000.
DAISIES (Bellis), blooming plants, \$1.25 per 100; \$10.00 per 1000. Plants that will bloom soon, \$2.50 per 1000.
FORGET-ME-NOT, hardy blue, fine plants, \$3.00 per 1000.
STOCKS: Verbenas, Ivy Geraniums, Salvias, Cigar Plants, Ageratum, Dusty Miller, Vinca variegata, Alyssum, single and double, Fuchsias and Lobelias, 2 1/2 in., \$2.00 per 100; \$15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

BOUVARDIA

Stock roots for propagating, Red, white and pink, healthy stock \$1.00. per doz. Cash

JOHN WHITE, Elizabeth, N. J.

CHRYSANTHEMUMS

Rooted Cuttings Now Ready
WHITE—Timothy Eaton, Mrs. Geo. S. Kolb, fine early; Estelle, White Bonnafon, Alice Byron, Ivory, C. Pousset, Jeannie Nunn, October Frost. PINK—Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere. YELLOW—Major Bonnafon, Yellow Eaton, Cremo, Robt. Halliday, Yellow Jones, "Baby," small yellow.

WILLIAM SWAYNE, P. O. Box 226, Keanett Sq., Pa.

CHRYSANTHEMUMS

White Duckham, White Shaw, White Jones, Ivory, Eaton, Faust, Amorita, Monrovia, John Burton, Helen Frick, October Frost, Yellow Eaton, Yellow Jones, Baby, etc., \$1.50 per 100, rooted; 75c. for unrooted cuttings, to order. Cash please.

Henry Eichholz, Waynesboro, Pa.

Chrysanthemum Rooted Cuttings

MONROVIA, MAUD DEAN and J. NONIN. Rooted Cuttings for March delivery, \$1.50 per 100.

ANTON C. ZVOLANEK, BOUND BROOK, N. J.

CHRYSANTHEMUMS

For Every Purpose. A card will bring our Illustrated 1908 Catalogue.

ELMER D. SMITH & CO., Adrian, Mich. Successors to Nathan Smith & Son.

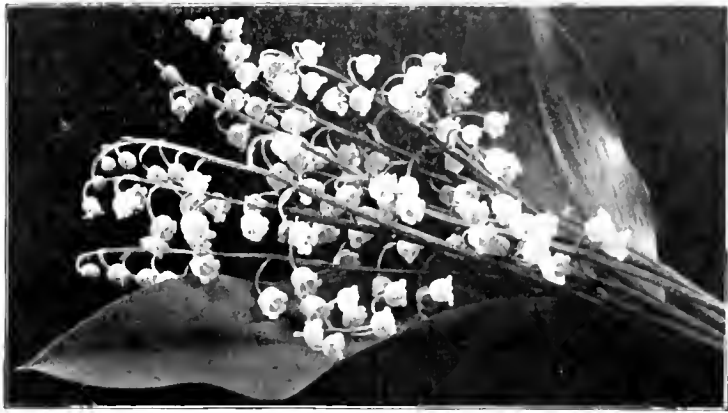
Pansy Plants

Per 100
Giant Flowering, \$2.50 per 1000, \$0.50
ALTERNANTHERAS, Red, Yellow, April 10, 2.00
COLEUS, 10 Var. 2 1-4 in., 2.00
VINC A VARIEGATED, 2 1-4 in., 2.50
VERBENAS, April 15, 2.00
CANNAS, C. Henderson and eight other varieties, dry bulbs 2.00

Geraniums

Per 100
10 Var. 2 1-2 in. pots, \$25.00 per 1000 \$3.00
10 Var. 3 in. pots, April 1, 4.00
ROSE GERANIUM, 2.00
DOUBLE PETUNIAS, April 1, 3.00
ASPARAGUS PLUMOSUS, April 1, 2.00
ASPARAGUS SPRENGERI, April 1, 2.00
CENTAUREA GAMOCARPA, Apr. 15 2.00
Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio



LILY of the VALLEY for EASTER FLOWERING

We have in cold storage in perfect condition for forcing a few cases of High-grade pips. 25 pips in a 6 or 7-inch pot or pan finds a ready sale at Easter, and can be flowered in 4 weeks from time of planting. \$11.00 per 1000; \$25.00 per case of 2500.

HENRY A. DREER 714 Chestnut Street PHILADELPHIA

NOTICE TO FLORISTS

The Fruit Auction Company

NEW YORK CITY

beginning at an early date this Spring, will inaugurate daily auction sales at wholesale of plants, etc.

Exceptional facilities provided in our new building, centrally located at

200, 202 and 204 Franklin St. (CORNER WASHINGTON ST.)

Date of initial sale will be announced in next issue of this paper.

For terms and all other detailed information address:—

THE FRUIT AUCTION CO.,

P. O. Box 640 NEW YORK CITY

Correspondence and personal interviews cordially invited.

Payments will be made to sellers of plants the day following sale.

The movement to sell plants by auction at wholesale has the support and commendation of leading growers and importers.

Are You Interested in the New Single 'Mums?

My list gives you a choice of 70 varieties. Varieties now ready are KATIE COVELL, ROB ROY, HELEN TOTTY, HAROLD BISHOP, MRS. UNTERMAYER, etc., all at \$2.00 per dozen; \$15.00 per 100, 2 1/4 in. pots. Buy now and increase your stock.

Chas. H. Totty, Madison, N. J.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants, also of greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cents per line, count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.] Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care of Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—By young lady in a retail florist store in or near New York city. Address, M. care The Florists' Exchange.

SITUATION WANTED—As foreman or first assistant on good private place. Good experience in all branches. Address, D. D. care The Florists' Exchange.

SITUATION WANTED—By up-to-date store man, designer and decorator, aged 24. Best of references. Employed at present. Address, A. E. D., care The Florists' Exchange.

SITUATION WANTED—A No. 1 head gardener, single, with best of references, wishes permanent position on large estate. Address, H. P. 34, care The Florists' Exchange.

SITUATION WANTED—Young man would like a situation as assistant or general greenhouse man on private or commercial place. F. J. Toney, 132 Guernsey street, Brooklyn, N. Y.

SITUATION WANTED—Young man wants a position in greenhouses to learn the florist business; strong and willing worker. Address, Alfred Eichler, 130 Randolph avenue, Jersey City, N. J.

SITUATION WANTED—By experienced rose grower, American, aged 25, handy with tools. Good wages expected. State particulars, Chas. Parkinson, So. Bound Brook, N. J.

SITUATION WANTED—Gardener, florist, single, German, 39, grower of roses, carnations, chrysanthemums and general stock. Good designer. Address, E. X., care The Florists' Exchange.

SITUATION WANTED—By experienced grower of roses, carnations and general stock, only first-class place. Married, sober, honest. Address, R. E., care The Florists' Exchange.

SITUATION WANTED—Young lady, good appearance. A No. 1 saleslady, good designer, would like position in New York or Brooklyn florist store. Address, Reliable, P. O. Brooklyn, N. Y.

SITUATION WANTED—As foreman or grower on commercial or private place in the vicinity of New York. Excellent references. Address, N. O. N., care The Florists' Exchange.

SITUATION WANTED—By young man with very little experience, to learn the trade. Willing and steady worker. Address, Greenberg, 505 West 18th street, New York city.

SITUATION WANTED—By young man with some experience in roses, carnations and nursery work. References. Address, Greenberg, 505 West 18th street, New York city.

SITUATION WANTED—Foreman's position wanted by married man, 18 years' experience, roses and carnations a specialty. Personal references. State particulars. Address, Horton, care The Florists' Exchange.

SITUATION WANTED—Landscape gardener and florist desires permanent position with first-class commercial place to take charge of all kind of greenhouses or both. Address, B. G., care The Florists' Exchange.

SITUATION WANTED—As head gardener or assistant on large private or commercial place. German, aged 25. 11 years' experience in greenhouses and outside. Best of references. Address, W. C., care The Florists' Exchange.

SITUATION WANTED—As foreman grower of roses, carnations and general stock. Wholesale or retail. Married. Eastern states preferred. Address, R. G., care The Florists' Exchange, 141 W. 87th street, New York city.

SITUATIONS WANTED

SITUATION WANTED—By single man, German, first-class grower of all kinds of stock and outside. Wants position on a commercial or private place. Best of references. State wages. Address, X. X., care The Florists' Exchange.

SITUATION WANTED—As gardener on private estate. The experience growing fruits, flowers, plants and vegetables under glass and outside. Best of references. Eastern states preferred. Address, P. O., care The Florists' Exchange.

SITUATION WANTED—As head gardener on private place where choice palms, ferns, orchids, foliage plants, etc., are grown, outside plants also. Single, aged 31, best of references. State full particulars in letter. Address, X. O., care The Florists' Exchange.

SITUATION WANTED—By first-class rose grower to take charge of American Beauty or Peace. Sober and reliable. Can furnish good references, state full particulars in first letter. Address, G. A. D., care The Florists' Exchange.

SITUATION WANTED—Dane, aged 32, 16 years' experience in all kinds of plants, best of references, seeks situation in large, up-to-date establishment where roses and carnations are grown extensively. Vicinity Greater New York or Chicago. Address, M. Z., care The Florists' Exchange.

SITUATION WANTED—As superintendent of park, cemetery or estate, preferably new. Open for engagement April 1. At present superintendent planting and maintaining park in New Jersey. American, aged 30, single, anywhere. Address, W. R. S., care The Florists' Exchange.

SITUATION WANTED—By good, all-around, reliable florist, steady, good worker, temperate assistant at present in roses and carnations. Single, 27 years of age, seven years' experience in Europe, three years in United States. East preferred. State wages, etc. Address, East, care The Florists' Exchange.

SITUATION WANTED—By German gardener and florist married, 20 years of age, 16 years' experience in landscape gardening and greenhouse cultivation. Wishes position as foreman on first-class private or commercial place. Good references. Julius Bauer, P. O. Box 307, Bordentown, N. J.

SITUATION WANTED—German, energetic gardener, aged 29, small family, three years in this country. Wishes position as foreman on large private place in the vicinity of New York or New Jersey; 25 years' experience. Good grower of pot plants for cut flowers, such as roses, carnations, chrysanthemums, etc.; also nurseryman, vegetable and landscape gardener. Steady place preferred. Good references. Address, O. K. 50, care The Florists' Exchange.

HELP WANTED

WANTED—Bright attractive young lady, one capable of doing first-class designing. Good wages. Apply Howard P. Kleinhaus, 66 Centre square, Easton, Pa.

WANTED—Vegetable and market gardener, one who understands hotbeds and starting vegetables under glass. Address, H. F. C., care The Florists' Exchange.

WANTED—Married man as gardener must understand greenhouse work good wages to right man. Must have best references, sober and willing. Address, A. E. A., care The Florists' Exchange.

WANTED—A good reliable man as foreman, 30,000 feet glass to grow roses, carnations and a general variety for retail trade. State wages and references. Address, S. E., care The Florists' Exchange.

WANTED—First man to grow bedding plants bulb stock and chrysanthemums, good potter and planter. Steady place, good wages for sober industrious man. Cassidy & Sons, Calvary Cemetery, Greenpoint avenue, Long Island City, N. Y.

WANTED—Good, honest sober man to buy half interest in good paying greenhouse business. One who can take entire charge of four greenhouses, only small capital if the right man comes along. Address, P., care The Florists' Exchange.

WANTED—Competent young man, about twenty years old for greenhouse on private place and help in flower garden. Must know how to grow roses and exhibition chrysanthemums under glass. State experience and wages wanted. Address, W. X. S., care The Florists' Exchange.

WANTED—Neat single man to care for greenhouses in town of store, must have a good knowledge of plants and be able to intelligently meet customers when necessary. Permanent position with income to right man. Salary \$2000 per month. Washington Florists' Company, 17th and F streets, N. W., Washington, D. C.

Thirty cents is the minimum charge for advertisements on this page.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—Pines for 10,000 to 15,000. Privet, 18 in. to 2 ft., also 2 to 3 ft., also 1000 English Ivy, 2 to 3 ft. runners. George Gregory, Sea Cliff, N. J.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material, dismantled and removed at once. Terms cash. Address, F. X., care The Florists' Exchange.

WANTED TO RENT—From 5000 to 10,000 feet of glass, with privilege to buying. Reply with full particulars to C. Y., care The Florists' Exchange.

WANTED—Consignments of bulbous flowers, such as tulips, hyacinths, daffodils and narcissus in variety. Frank S. Hooks & Company, 52 West 15th street, New York city.

WANTED FOR CASH

A Florist's Establishment in good condition, with about five thousand feet of glass. Preference given to location with an established home market. Address, with full particulars, BUYER, care The Florists' Exchange.

MISCELLANEOUS

VITALITY TESTS of every description promptly made at lowest rates. Blythedale Seed Laboratory, Blythedale, Md.

WILL LOUIS NELSEN from Viborg, Denmark, or any one who knows him, send his address to Box 425, Chatham, Mass. Good news from Denmark.

FOR SALE—File Florists' Exchange (10 years); Rural New Yorker (20 years); Meehan's Monthly, Vick's Monthly. No reasonable offer refused. J. H. Griffith, Lynbrook, L. I., N. Y.

FOR SALE OR RENT

FOR SALE—A retail store on Eighth avenue, in business 30 years. Reason for selling sickness. Will sell at a sacrifice. Apply to Phil F. Kessler, 55 West 26th street, New York city.

FOR SALE—Florist and seed business, store well furnished with seed-box, counters, show cases, seed drawers, etc. Will sell at a reasonable price. Write for particulars to M. Stead, Florist, Broadway & Walker avenue, Woodhaven, L. I., N. Y.

FOR SALE—Greenhouses and stock. About 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers. For terms, inquire of Mrs. Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

FOR SALE—A large, modern and successful floral establishment, the oldest established in the city, carrying a complete line of cut flowers, potted plants, seeds, poultry supplies, etc. This place must be seen to be appreciated, and under proper management is a money-maker. Will be sold at a price that is right. For further information address C. Edwin Oyster, 507-8 Dollar Bank Building, Youngstown, O.

FOR SALE NEAR PHILADELPHIA

Nursery and florist business, convenient railroad facilities, very desirable location, greenhouses 8,000 feet of glass, nine-roomed house with all modern conveniences; stable and all outbuildings new and complete. Six acres of ornamental shrubbery and trees; the greenhouses are stocked with roses and other stock. Price, \$12,500. A rare chance for the right party. Write for an appointment. Trifler need not apply. Address:

NURSERY

R. F. D. No. 5, Box 64, Norristown, Pa.

STOCK FOR SALE

DAILIA ROOTS—Undivided 6-10 clumps, Lyndhurst, Maid of Kent, William Agnew, White Swan, Kreunhilde, John Walker, Catherine Duer and A. D. Livonia. Write for low prices. Wood & Healy, Hammonton, N. J.

SIAMROCKS—Genuine Irish shamrock, original plant coming from cemetery, Downpatrick, Ireland. Without pots, \$4.00 per 100; \$35.00 per 1000; with pots \$4.50 per 100, \$40.00 per 1000; 250 at 1000 rate. Order early. Terms, cash. J. H. Harecourt's Son, Wappingers Falls, N. Y.

STOCK FOR SALE

COLEUS, strong rooted cuttings, finest mixed, 60c. per 100. D. H. Ruthrauff, Seneca Falls, N. Y.

500 PEONY FESTIVA MAXIMA, good stock. Cheap. Address, Peony, care The Florists' Exchange.

GERANIUM MAE, SALLEROL, strong, 2 in., ready for 3 in., \$2.00 per 100. Cash. Ellis Brothers & Company, Keene, N. H.

MOON VINES, strong rooted cuttings, \$1.25 per 100, postpaid. Cash with order. Wachendorf Brothers, Atlanta, Ga.

STRONG healthy, unrooted Carnation Cuttings, Victory, \$8.00 per 1000. Cash with order. Chas. B. Striker Floral Park, N. Y.

GARDENIA FLORIDA, fine unrooted cuttings, 50c per 100, postpaid. Send cash. John C. Sims, St. Marks, Ga. Make money orders payable at Hagan's, Ga.

SALVIA ZURICH, 2 in., \$3.00 per 100; \$25.00 per 1000, R. C., \$1.75 per 100; \$15.00 per 1000. Now ready. The Krueger Brothers Company, Toledo, O.

SWEET PEAS, from 2 in. pots, nice, stocky plants, all ready to go to work and grow. Colors, pink and white, \$2.00 per 100. Paul Thomson, West Hartford, Conn.

GIANT PANSY PLANTS (Rupp's Giant selected), strong, from open ground, 75c per 100, postpaid; per 1000, \$3.00, by express. Miss Ada J. Brooks, Sorrento, Fla.

DRACAENA INDIVISA, 4 in., 10c; Asparagus Sprenger, 3 in., 6c; Primula Obconica, 3 in., 6c; 2 in., 2c; Primula Chinensis, 3 in., 6c. Will exchange for Coleus, Canas, Salvia and Double Petunias. R. C. E. M. Allen, Plainfield, Conn.

CARNATION CUTTINGS 30,000 well-rooted, clean cuttings Enchantress Dorothy, Boston Market, Flamingo, Elbon, Robert Craig, White Beauty, Yellow Beauty. Write for special prices, Locust Street Greenhouses, Oxford, Pa.

GERANIUMS, rooted cuttings, in mixed lots, \$1.25 per 100, \$10.00 per 1000; 2 in., \$17.50 per 1000. Nutt, Doyle, Ricard, Grand, Euehner, La Favorite and many other good varieties. C. H. Puhlman, Carnegie, Pa.

CLEAN STOCK 3000 Carnations in 2 1/2 in. pots, Enchantress, Lady Bountiful, Boston Market, Fair Maid, Harlowarden, Patten and Imperial, \$3.00 per 100; \$25.00 per 1000. Cash with order. Leo, Oesterberg, New Rochelle, N. Y.

SAND-ROOTED CARNATION CUTTINGS, A No. 1 stock, express paid, Victory, \$24.00; Pink Lawson, \$18.00; White Enchantress, \$18.00; Rose Pink Enchantress, \$30.00; Winsor, \$18.00; Enchantress, \$20.00 per 1000. A. Laub & Son, Hughsonville, Dutchess county, N. Y.

STRONG stocky plants of Salvia Bonfire and Scarlet Dragon, 50c per 100; \$4.00 per 1000. Transplanted seedlings of English Polyanthus, \$1.00 per 100. 550 well-rooted Sallerol Geraniums for \$5.00. Cash with order. R. Powell, Florist, White Plains, N. Y.

BRENCHLEYENSIS GLADIOLUS, first size, \$8.00 per 1000; Isaac Buchanan, \$25.00 per 1000. Cash with order. Estate of Louis Siebrecht, Floral Park, N. Y.

TO CLOSE OUT our surplus stock of Roses, we offer the following varieties in strong, field-grown plants, 8c. ea., or 6c. ea., for the lot, cash with order. 5 Apolline, 5 General McArthur, 20 Michael Sanders, 15 Climbing Sauv. de Wootton, 25 James Sprunt, 15 Climbing Malmson, 40 W. A. Richardson, 5 White Banksia, 8 Gold of Ophir, 60 Climbing Evergreen, 4 Perle d'Or, 15 Frau Karl Druschki, 50 Anna de Diesbach, 30 General Jacqueminot, 20 Giant of Battles, 6 Gloire de Margottin, 125 Paul Neyron, 12 Tom Wood and 26 Ulrich Brunner, Wachendorf Brothers, Atlanta, Ga.

FOR SALE

FOR SALE—One 15 h. p. horizontal, one 30 h. p. vertical, one 50 h. p. horizontal, second-hand, tubular boilers. Address, Box 297, Middletown, Del.

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parshley Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Calif. Cypress, to any detail furnished. Oxford patty, specially made for greenhouses and hot-bed sash. V. E. Relch, 1429 Metropolitan avenue, Brooklyn, N. Y.

SIEDED LEAF MOLD, \$1.00 per barrel; Orchid Peat, in lumps, \$1.75 per barrel; laurel roping, well made, \$4 per 100 yards; laurel branches, 50c., large bunch; fancy ferns, \$1.00 per 1000; head lettuce plants, \$1.00 per 1000, ready now. Also pepper, sweet potato and tomato plants after March 20; best varieties in quantity. Candy Roots, Biscala, Polverine and Crozy, \$1.50 per 100. Best Jersey Marl in sacks; best thing for lawns, \$5.00 per ton. Will exchange for Vinca variegata, white geraniums or carnation rooted cuttings, hardy perennials, shrubs. Buy from first hands; save that middle profit for yourself. Cash with order. L. Pope & Son, Barnsboro, N. J.

FOR SALE—Tobacco Dust, 100 pounds in sacks, \$2.50, in case lots about 100 pounds 2c. per pound Tobacco stems, in bales \$2.00, about 100 pounds. Cash with order. S. R. Levy, Birmingham, N. Y.

A BIG LOT of 1 1/2 in. Saracuse pots and 5 in. soft machine made 1 1/2 in. at \$2.25 per 1000, 5 in. at \$4.00 per 1000. Cash with order. Willing to exchange for Asparagus Plumonis seedlings for any of the above. Parsz Brothers, 52 Ashwood Avenue, Summit, N. J.

FOR SALE—Second-hand boilers. One No. 5 Weathered, capacity 1,000 feet, 1 inch pipe; one No. 5 Hitchings, capacity 900 feet, 4 inch pipe; one No. 57 Hitchings, sectional, capacity 2,600 feet; two eight-sectional Weathered boilers. Write for information and prices. Wm. H. Lutton, Opp. West Side Avenue Station (C. R. R. of N. J.), Jersey City, N. J. Telephone 412 Bergen.

FOR SALE—Ice-Box, 8x8x1 feet, with full double plate glass front, glass door at each end; also an oak top counter 4x12 feet open in bottom and a semi-circular flower stand having three shelves. All painted white and in good condition. Can be shipped after March 20. Best reasons for selling. Write now for prices, photo and particulars. Address, Box 526, care The Florists' Exchange.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 2 1/2 c.; 1 1/2 in. 3 1/2 c.; 1 3/4 in. 4 1/2 c.; 2 in. 5 1/2 c.; 2 1/2 in. 10c.; 3 in. 14c.; 4 in. 19c. per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1 1/2-2-1 in. \$3.00, No. 2 cuts 1 1/2-1 1/2-2 ins. \$4.00; Armstrong Adjustable No. 2 cuts 1 1/2-1 in. \$4.00; No. 3 cuts 1 1/2-1 1/2-2 ins. \$6.50. Second-hand Armstrong, No. 3, \$5.00; No. 2, \$3.00.

BOILERS one 12 in. grate, new round boiler, will heat 850 sq. ft. of glass, \$30.00; one 16 in. grate, new round boiler, heating 900 sq. ft. of glass, \$40.00, 1 American Radiator Ideal, eight section water boiler, grate 67 by 49, heat about 15,000 sq. ft. of glass, price \$225.00. The above boilers are guaranteed to be in good condition. We have other sizes and makes; write for prices.

PIPE CUTTERS Saunders, No. 1 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in., grips 1 1/2 in., \$1.05; 18 in., grips 2 in., \$1.40; 24 in., grips 2 1/2 in., \$2.10; 36 in., grips 3 1/2 in., \$4.20. Chain wrench grips, 6 in. \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 2 1/2 in. \$3.50.

GARDEN HOSE 50 ft. lengths 3/4 in., guaranteed, 8 1/2 c.; for heavy work, guaranteed, 12 1/2 c.

HOT-BED SASH New; Gulf Cypress, 3 ft x 6 ft, 8c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS "In lots of 10 boxes." New American, 50 ft. to the box, 10x12 single at \$1.80 per box, 10x12, B double, \$2.20 per box, 12x14 to 12x20 and 14x14 to 14x20, 16x16 and 16x18, B double, \$2.40 per box, 18x20 to 16x24, 12x24, B double, \$2.52 per box. Discount in large quantities.

PECKY CYPRESS \$25.00 per 1000. We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

WHITE ENCHANTRESS ROOTED CUTTINGS
\$6.00 per 100; \$50.00 per 1000.

E. SCHRADER,
NEW SPRINGVILLE, Richmond Borough, N. Y.

ANNOUNCEMENT

Our new seedling carnation TOREADOR will not be disseminated until January, 1909. For further particulars address

The H. Weber & Sons Co.,
OAKLAND, MD.

CARNATIONS ROOTED CUTTINGS

The Queen, Best com. white, \$1.50 \$12.50
Harlowarden, Best crimson, 1.50 12.50
Mrs. Patten, Best Var., 2.00 18.00
Lady Bountiful, 3.00 25.00
Enchantress 2.50 20.00

S. G. BENJAMIN, FISHKILL, N. Y.

FELTHOUSEN'S GERANIUMS

None better if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$1.00 per 1000.

- Beauty Poltevine, S. A. Nutt, La Favorite, John Doyle, Richard Brett, Richard, Brunati, General Grant, M. Camoyas, Jean Vland, Pastemanc, Lundy and several others.
- PLUMONIS, rooted cuttings, \$1.00 per 1000, 2 1/2 in. pots, \$1.00 per 1000.
- HELIOTROPE, rooted cuttings, \$1.00 per 1000, 2 1/2 in. pots, \$1.00 per 1000.
- SALVIA BONIFRE, rooted cuttings, \$1.00 per 1000, 2 1/2 in. pots, \$2.00 per 1000.
- COLEUS, rooted cuttings, one per 1000, \$2.00 per 1000.
- ROSE GERANIUMS, 2 1/2 in. pots, \$2.00 per 1000.
- AGERATUM, Stella Gurney, 60c. per 1000, R. C. J., in pots, \$1.00 per 1000, cash with order.

J. E. FELTHOUSEN, Schenectady, N. Y.

GERANIUMS

In pots, Nutt, Doyle, Buchner, \$1.75 per 1000, \$12.00 per 1000; Richard, Castellane, Vland, Poltevine, Pasteur, Mme. Salleron, \$2.00 per 1000; \$20.00 per 1000.

COLEUS
Golden Bedder, Crimson Verschaffeltii and fifteen other varieties, R. C. J., 60c. per 1000; \$2.00 per 1000, R. C. J., 2 in.

- AGERATUM, P. Pauline and Stella Gurney, \$0.60 \$1.00
- SALVIA Bonifre, 1.00 2.00
- DOUBLE PLUMONIS, 1.00 2.00
- SWEET ALYSIUM, 1.00 2.00
- HELIOTROPE, dark, 1.75 2.00
- PLUMONIS, 1.75 2.00
- VIOLCA VARIEGATA, 1.75 2.00
- PERFECTION, double white, 2.00
- ASPARAGUS PLUMONIS, Nams and Sprenger, 3 in. pots, \$4.00 per 1000, cash with order.

ERNEST HARRIS, Delanson, N. Y.

GERANIUMS

Heteranthe, General Grant, Nutt, strong plants from 2 1/2 in. pots, \$2.50 per 1000; \$20.00 per 1000. Rooted Cuttings of same, \$1.50 per 1000; \$12.00 per 1000. IIII, Poltevine, Favorite, 2 1/2 in., \$2.75 per 1000; \$24.00 per 1000. Rooted Cuttings of same, \$1.75 per 1000; \$15.00 per 1000. Achyranthes Red and yellow, R. C. J., 7c. per 100, 10 per cent. off on all orders before April 1. Cash please.

JAMES AMBACHER, WEST END, N. J.

GERANIUMS

Rooted cuttings. TREGO, CASTELLANE, VLAND, CHARLOTTE, DOYLE, RICARD, POITEVINE, \$1.50 per 1000; \$12.00 per 1000. RICHNER, MONTFORT, PERKINS, \$1.25 per 1000, \$10.00 per 1000. S. A. NUTT, \$10.00 per 1000. Cash with order.

PETER BROWN, Lancaster, Pa.

GERANIUMS

Small, thrifty, from pots; sent nearly free of soil. Nutt, Doyle, Grant, Buchner, \$13.00. Richard, Poltevine, Perkins, Vland, Castellane, \$15.00 per 1000. Strong, clean, fancy brightest only big lot, and G. Bedder, \$5.00. Verschaffeltii, \$6.00 per 1000. Giants, most brilliant of all, \$1.00 per 1000. Sage Fireball, plants, 80c. per 100. Gladstoll, fine mixed, 40c. per 100. Alternanthera, Red Rug and Nana plants, 7c. per 100. Bargain on Nutt Geranium and G. B. Coleus. Cash.

DANIEL K. HERR, Lancaster, Pa.

GERANIUMS

ROOTED CUTTINGS

All engaged until late March or early April; will have a big lot then; send for list and place your order if wanted then.

ALBERT M. HERR, Lancaster, Pa.

UNROOTED CARNATION CUTTINGS

WINSOR, PINK IMPERIAL, 1000 \$30.00
VICTORY, WHITE PERFECTION 15.00
ENCHANTRESS 10.00
Can fill any size order same day as received.

ROOTED
WINSOR, PINK IMPERIAL, 100 \$6.00 1000 \$50.00
VICTORY, WHITE PERFECTION 3.00 25.00
ENCHANTRESS 2.50 20.00

An unusually fine lot of SCOTT'S FERNS in 7-in. pots, \$6.00 per dozen.

COLEUS, R. C. Verschaffeltii and Golden Bedder, \$4.00 per 1000.

LARCHMONT NURSERIES, Larchmont, N. Y.

2000 Yellow Locust Posts, 7 feet long, 1 x 5 inch heads, cut from butts, at \$25.00 per 100, \$225.00 per 1000. F. O. B. Cash.

HENRY EICHHOLZ, WAYNESBORO, PA.

PREPARE FOR EASTER

Prosperity in Sight



Bear in mind we have been specialists in raising EASTER NOVELTIES for the past ten years

In Philadelphia there's a florist noted, Aschmann, his name, his plants beyond compare; To a sweet girl his heart is all devoted, Next rank his Araucarias, passing fair; When seen together they're a pair so charming—Brimful of beauty—both he cannot keep; So to his heart he'll hold his winsome darling, While you may have the Araucarias cheap.

Nephrolepis Bostoniensis, 8 in. pots, made up of three plants, as big as a washbub, \$1.25 to \$1.50; 7 in. pots, 75c. to \$1.00; 6 in. pots, 50c. to 5/2 in. pots, 20c. to 30c.

Kentia Lansteriana and Belmontiana, 4 in. pots, 2 to 2 1/2 in. high, 25c. to 3/4 in. 5/2 in. and 6 in. pots, bushy stocky plants, 50c. 50c. and 75c.

Latania Borbonica, 5 in., 30c. Cocos Weddelliana, 3 in. pots, 10-12-15 in. high, 1c.

Ficus Elastica or Rubber Plants, home grown and Belgium stock, 18-20 to 40 in., 5-5 1/2 to 6 in. pots, 25c., 35c. 40c., 50c., 60c. each; 7 in. pots, 75c.

Asparagus plumosus nanus, 4 in. pots, \$1.00 per 100 all bushy plants. Begonia Chambeau, sells at sight, 5/2 in. pots, 25c.

Begonia, new improved Erfordi, 4 in. strong, 20c. 2 1/2 in., 25c. each.

Cineraria Hyb. Grandiflora, best improved strain, 5 in., \$2.00 per 100, 6 in., \$3.00-\$4.00-\$5.00 per doz.; light for Easter, in bud, partly in bloom now, 4 in. pots, strong healthy plants, ready for 5 in. or 6 in. pots, to close them out, reduced to \$5.00 per 100.

Primula officinalis, in bloom, 5 1/2 in. pots, 25c. each.

Cyclamen giganteum, in bud and bloom, 4 in. pots, 20c. to 25c. each.

Hydrangea Otaka. This is the best pink variety, already in bud just right for Easter, 6 to 7 in. pots, 35c., 50c., 75c., \$1.00 each.

Easter Lilies, Japan Multiflorum, of our own importation, raised from best 10 in. bulbs obtainable. Have the finest lot this year we ever had any season, showing buds now; just right for Easter. Medium size, 10c. per bud for plants over five buds, and 12c. per bud for plants under five buds. About 5000 good plants to offer. Owing to fact that demand every year exceeds supply, kindly send order early as possible.

Spiraea Gladstone. We offer only large stock. Our own importation, 6-7 in. pots, in bud now, just right for Easter, 50c. to 75c. each.

Watch for "ad" of Hyacinths, Tulips and Daffodils, etc.

Please mention if plants are to be shipped with or without pots. All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants.
1012 W. ONTARIO ST. PHILADELPHIA, PA.

White Enchantress	100	1000
Winsor	6.00	\$60.00
Beacon	6.00	50.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Enchantress	2.50	22.50
Lady Bountiful	2.50	20.00
Healthy Rooted Cuttings.		
SCRANTON FLORIST SUPPLY CO., Scranton, Pa.		

JOHN E. HAINES BETHLEHEM, PA.

Is the place to order rooted cuttings of the following varieties for 1908: John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000. Place orders early for December delivery.

Commercial Violet Culture

PRICE, \$1.60
The FLORISTS EXCHANGE, 2-8 Duane St. New York

NOW READY

Well Rooted Carnation Cuttings From Healthy Stock

Enchantress	100	1000
Boston Market	2.50	\$20.00
Mrs. T. W. Lawson	1.50	12.00
Red Lawson	1.50	12.00
Winsor	2.50	20.00
Robert Craig	6.00	50.00
Queen Louise	3.00	25.00
White Enchantress	1.50	12.00
	6.00	50.00
Cash with order.		

A. N. KINNEY

West 200th St. and Fort Washington Av. NEW YORK CITY

Carnation Cuttings

All Stock. Must make room. Queen Louise and Harlowarden, \$7.50 per 1000. Cash with order please.

JACOB KOL, Florist, East Nutley, N. J.

WINONA

The True Pink Carnation for 1908.

A color that attracts attention.
Once seen, always wanted

Comes nearest to Flancee, but is a different type flower. Never Bursts—Every Calyx Perfect. Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock, clean and healthy. Will guarantee every cutting to be first-class. Order now for early delivery. Price, \$12.00 per 100; \$100.00 per 1000. Larger lots, prices on application. With our additional glass we have more than doubled our stock of Carnation plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER:

100	1000	100	1000
RED CHIEF, bright scarlet.....	\$5.00 \$40.00	ROSE-PINK ENCHANTRESS, pink.....	\$3.00 \$25.00
BONNIE MAID, pink, edged white.....	5.00 40.00	ENCHANTRESS, light pink.....	3.00 25.00
ARISTOCRAT, cerise.....	6.00 50.00	LADY BOUNTIFUL, white.....	3.00 25.00
WINSOR, pink.....	6.00 50.00	VICTORY, scarlet.....	3.00 25.00
BEACON, orange scarlet.....	6.00 50.00	DOROTHY WHITNEY, yellow.....	4.00 30.00
WHITE ENCHANTRESS, white.....	6.00 50.00	MRS. PATTEN, variegated.....	3.00
WHITE PERFECTION, pure white.....	3.00 25.00	HARRY FENN, crimson.....	3.00

F. DORNER & SONS CO., Lafayette, Ind.

THE NEW LIGHT PINK CARNATION MAY

You will find in this variety one which you will want to grow in large quantity after you give it a trial. It is one of the few varieties which come in early and keep continually at it until transplanting time. The color is better than Enchantress and the bloom is better than Fair Maid and it is freer than either of them.

We are now sending out fine, strong, well-rooted cuttings. Let's have your order now. \$12.00 per 100; \$100.00 per 1000.

Also other new and standard sorts. All the best varieties at current prices. Our stock is in prime condition.

BAUR & SMITH

38th St. & Senate Ave., - - - INDIANAPOLIS, IND.

Rooted CARNATION Cuttings

CUTTINGS are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

WHITE:	100	1000
WHITE PERFECTION.....	\$3.00	\$25.00
WHITE LAWSON.....	2.00	18.00
QUEEN LOUISE.....	2.00	18.00
PINK:		
WINSOR.....	6.00	50.00
ARISTOCRAT.....	6.00	50.00
PINK IMPERIAL.....	6.00	50.00
ROSE PINK ENCHANTRESS.....	3.50	30.00
ENCHANTRESS.....	2.50	20.00
HELEN GODDARD.....	2.50	20.00
LAWSON.....	2.00	18.00
RED:		
BEACON.....	6.00	50.00
VICTORY.....	3.00	25.00
ROBT. CRAIG.....	3.00	25.00
CRIMSON:		
HARLOWARDE.....	2.00	18.00
VARIEGATED:		
MRS. PATTEN.....	2.50	20.00

Add \$1.00 per 100, \$10.00 per 1000, to above prices for 2-in. pot plants.

RECENT INTRODUCTIONS

AFTERGLOW \$12.00 per 100
LLOYD (from 2-in. pots)
"SPLENDOR" (Stevenson Bros.), a very promising variety, \$10.00 per 100; \$75.00 per 1000. Prompt delivery.

S. J. REUTER & SON, Inc., Westerly, R. I.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.

White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000.
Queen, Boston Market, Pink Lawson, H. Goddard, \$1.50 per 100; \$15.00 per 1000.
Victory, \$3.00 per 100; \$25.00 per 1000.
Craig, \$2.50 per 100; \$20.00 per 1000.
Cardinal, \$2.00 per 100; \$17.50 per 1000.
Harlowarde, \$1.50 per 100; \$15 per 1000.
Enchantress, \$2.00 per 100; \$18 per 1000.
White Perfection, \$2.50 per 100; \$22.50 per 1000.
Cash with order or satisfactory references.
SMITH & GANNETT, Geneva, N. Y.

ROOTED CUTTINGS OF THE

PUREST WHITE ENCHANTRESS

We believe we have the largest and best stock in the country. The reason for this statement is that we were first in the market with this grand pure white. Orders now being booked for March and later delivery at \$5.00 per 100, \$50.00 per 1000. Also a large stock of Winsor, Pink Enchantress, Lawson, Beacon and other commercial varieties.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
38-40 Broadway, DETROIT, MICH.

CARNATION CUTTINGS AND PLANTS

ONLY THE BEST VARIETIES
SEND FOR OUR LIST

Chicago Carnation Co.

A. T. PYFER, Mgr. JOLIET, ILL.

CARNATIONS

Rooted Cuttings; Fine Healthy Stock.
READY NOW: 100 1000
Winsor.....\$6.00 \$50.00
White Enchantress.....6.00 50.00
Helen M. Gould and Beacon.....6.00
Melody.....4.00
Dabaim.....3.00
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson.....3.00 25.00
Have a few hundred in 4 and 5 in. pots of above varieties. Write for list.

ASPARAGUS

100 1000
Sprengerl, from 3 in. pots.....\$5.00
Plumose Nanus, from 3 in. pots.....6.00

VERBENAS

100 1000
Best Mammoth.....\$1.00 \$3.00

CANNAS

Strong Dormant Roots in 30 varieties, \$2.00 and \$3.00 per 100; \$18.00 and \$25.00 per 1000.

ROSES

Grafted and Own Roots, orders booked for early delivery.
Killarney, Richmond, Kaleerin, Carnot, Rride, Bridesmaid, Golden Gate, Perlea, Sunrise, Sunset, etc.

Rooted Chrysanthemums Cuttings

50 fine varieties; \$1.50 and \$2.00 per 100. Send for list.

MISCELLANEOUS

100	1000
Ageratum, Cope's Pet, White cap, P. Pauline, S. Garney, L. Bonnett.....	\$1.00 \$8.00
Achyranthes, best varieties.....	1.00 3.00
Ampelopsis Veitchii, pot grown.....	8.00
Coleus, best bedding and fancy sorts.....	1.00 8.00
Cuphea Platycentra.....	1.25
Fuchsia, double and single.....	2.00 15.00
Feverfew, double white.....	1.50 12.00
Geranium, best double and single.....	2.00 15.00
Heliotrope, light and dark.....	1.25 10.00
Ivy, German.....	1.50
Moon Vine, true, white.....	2.00 15.00
Salvia Splendens and Bedman.....	1.25 10.00
Salvia, Five early-flowering sorts.....	1.50 12.00
English Ivy, 2 1/2 in. pots.....	4.00
Lantana, 2 1/2 in. pots.....	4.00
Vincas, 1 year, strong.....	10.00
Vincas, 2 1/2 in. pots, strong.....	4.00

WOOD BROTHERS FISHERILL N. Y.

HEADQUARTERS IN WESTERN NEW YORK

	Per 100	Per 1000
25000 Winsor.....	\$6.00	\$50.00
25000 White Enchantress.....	6.00	50.00
10000 Enchantress.....	2.50	20.00
1000 Monrovia Chrysanthemums, R. C.....	\$15.00	

IMMEDIATE DELIVERY.

Splendid stock. Satisfaction guaranteed. Other varieties on application. We are satisfying others, why not you?

WHITE BROS., Gasport, N. Y.

CARNATION CUTTINGS

WELL ROOTED. READY NOW. SPECIAL PRICES

To clean out benches while this lot lasts.

1000	100	1000	100
ENCHANTRESS.....	\$15.00 \$2.00	PINK IMPERIAL.....	\$30.00 \$3.50
LAWSON.....	10.00 1.50	PINK PATTEN.....	15.00 2.00
J. E. HAINES.....	15.00 2.00	WHITE PERFECTION.....	25.00 3.00
		WINSOR.....	50.00 6.00

ALBERT M. HERR, Lancaster, Pa.

ROOTED CARNATION CUTTINGS

	Per 100	Per 1000		Per 100	Per 1000
LAWSON.....	\$1.50	\$15.00	VICTORY.....	\$3.00	\$30.00
WINSOR.....	6.00	50.00	BEACON.....	6.00	50.00
ENCHANTRESS.....	2.00	15.00	JOINT.....	1.50	12.50
LADY BOUNTIFUL.....	2.50	20.00	HARRY FENN.....	1.50	15.00
NAYLOR.....	1.50	12.50	ELDORADO.....	1.50	12.50
			MRS. PATTEN.....	2.50	20.00

GRAFTED ROSES

\$12.00 per 100; \$100 per 1000. If you can furnish the scions we can quote you lower prices in any quantity you wish.

EDWARD J. TAYLOR, - - - Greens Farms, CONN.

CARNATIONS CARNATION CUTTINGS

100	1000	100	1000
White Enchantress.....	\$5.00 \$45.00	White Perfection.....	\$3.00 \$25.00
Rose Pink Enchantress.....	2.50 22.50	Enchantress.....	2.00 15.00
Enchantress.....	2.00 18.00	Rose Pink Enchantress.....	3.00 25.00
Victory.....	2.25 20.00	Pink Lawson.....	1.75 15.00
Harlowarde.....	1.50 15.00	Robt. Craig.....	3.00 25.00
Prosperity and Gaetie, rooted, to order.		Harlowarde.....	1.75 15.00
Strong, undivided DAHLIA CLUMPS.		Yesper.....	2.00 15.00
		Marion.....	1.75 15.00
		Prosperity.....	1.75 15.00
		Patten.....	1.75 15.00
		Lady Bountiful.....	3.00 25.00

KRAMER BROS., FARMINGDALE, L. I., N. Y. Miami Floral Co., DAYTON, OHIO

Prices Advertised in these Columns are for THE TRADE ONLY— When Writing Please Mention THE FLORISTS' EXCHANGE.

SPLENDOR

STEVENSON BROS., Govanstown, BALTIMORE, MD.

Color, light pink, between Mrs. Lawson and Winsor. Nothing finer ever introduced as a commercial variety at any price. Strong healthy cuttings now ready for delivery. \$10.00 per 100; \$75.00 per 1000; 500 at 1000 rate.

Carnations at Cornell.

The Horticultural Department of Cornell University held its fourth annual carnation exhibition, March 4-6. The exhibits were in charge of the students in floriculture, who managed, staged, and judged the blooms. The show was purely for educational purposes and no prizes were offered. However, many growers took advantage of the opportunity to place their stock before a class of interested students.

The exhibition was well advertised about the university and city, and many visitors were present during the three days. After the exhibition the blooms were put to good use by the students, in packing demonstrations, design making, etc. At the weekly meeting of the horticultural club (Lazy Club), carnations were the subject of discussion. An interesting talk on carnation breeding was given by Dr. Webber, and the varieties from a commercial point of view were discussed by L. D. Batchelor.

Among the exhibitors were C. W. Ward, whose two winners at the Washington show, Mrs. C. W. Ward and Alma Ward, brought forth many expressions of admiration from the visitors. His President and Beacon varieties also showed excellent growing.

Richard Witterstaetter, Cincinnati, exhibited Afterglow, which showed itself to be one of the coming varieties. The excellent scarlet, Andrew Carnegie, was shown by the Chicago Carnation Company; the blooms were much admired.

F. R. Pierson Company, Tarrytown, N. Y., sent a very creditable exhibit of Variegated Lawson, Enchantress, Winsor, Beacon, and Red Lawson.

The Horticultural Department of New Hampshire College exhibited a very interesting lot of seedlings with their pedigrees attached; many of these give promise of becoming good commercial varieties.

John E. Haines, Bethlehem, Pa., had a fine lot of well-grown blooms. Among the most prominent were Pink Imperial and Imperial; his bright scarlet variety John E. Haines, White Perfection and light pink seedling No. 102, made an especially creditable showing.

Paul Thompson, Hartford, Conn., exhibited the yellow variety Neptune, which attracted a great deal of attention, being the only yellow variety present.

James D. Cockeroff, Northport, L. I., exhibited Harvard in excellent form.

Frank H. Kimberley, New Haven, Conn., staged an attractive vase of Enchantress and White Enchantress, also the violet Marie Louise.

Among the varieties exhibited by the Horticultural Department of Cornell were Harlowarden and Mrs. Thos. W. Lawson. W. J. A.

THE NEW CARNATION

Afterglow

Winner of the following prizes at the Washington Exhibition of the A. C. S. held last week:

The A. C. S. Silver Medal.

The S. A. F. Bronze Medal, for best 100 blooms of Lawson shade of pink.

The Silver Cup, offered by W. J. Vonderheide for the best 100 blooms of any variety to be disseminated in 1908.

Also awarded

GOLD MEDAL by the Rhode Island Horticultural Society at Providence, Nov., 1907. (Exhibited by Wm. Nicholson)

CRAIG SILVER CUP by the Pennsylvania Horticultural Society at Philadelphia, Nov., 1907. (Exhibited by Dailedouze Bros.)

FIRST PRIZE by the St. Louis Horticultural Society at St. Louis, Mo., Nov., 1907. (Exhibited by E. G. Hill Co.)

FIRST PRIZE by the State Florists' Association of Indiana at Indianapolis, Nov., 1907. (Exhibited by the Originator)

SCORED the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S., Jan., 1907, after arriving 24 hours late from Framingham, Mass.

ASIDE from these honors, the fact that it has been grown successfully wherever it has been tried, is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation, for well grown, well rooted cuttings at

\$2.00 per doz. \$12.00 per 100 \$100.00 per 1000.

WILLIAM NICHOLSON, THE E. G. HILL CO., DAILLEDOUZE BROS., R. WITTERSTAETTER, Framingham, Mass. Richmond, Ind. Flatbush, Brooklyn, N. Y. Originator, Sta. F. Cincinnati, O.

DEFIANCE

The only scarlet to grow for both quality and quantity. Let us have your order at once so as to secure early delivery.

\$12.00 per 100. \$100.00 per 1000.

JENSEN & DEKEMA, 674 W. Foster Ave., CHICAGO

W. N. RUDD, MORGAN PARK, ILL.

ROOTED Carnation Cuttings

	100	1000
PINK		
ARISTOCRAT	\$6.00	\$50.00
WINSOR	6.00	50.00
ROSE PK. ENCHANTRESS	3.50	30.00
ENCHANTRESS	3.00	25.00
LAWSON	2.50	20.00
JOOST	2.00	15.00
WHITE		
WHITE PERFECTION ..	3.00	25.00
" LAWSON	3.00	25.00
QUEEN	2.00	18.00
BOSTON MARKET	2.00	18.00
LOUISE	2.00	18.00
LT. PEARY	3.00	25.00
BOUNTIFUL	2.50	20.00

	600	5000
RED		
BEACON	6.00	50.00
VICTORY	3.00	25.00
ROBERT CRAIG	3.00	25.00
FLAMINGO	2.50	20.00

MISCELLANEOUS
 PATTEN 2.50 20.00
 HARRY FENN 2.50 20.00
 HARLOWARDEN 2.50 20.00
 Stock guaranteed. Prompt deliveries.

THE LEO NIESSEN CO. Wholesale Florists, 1209 Arch St., Philadelphia, Pa.

CARNATIONS

ROOTED CUTTINGS of all the new and standard market varieties. Send for price list.
WM. SWAYNE
 BOX 226 KENNETT SQUARE, PA.

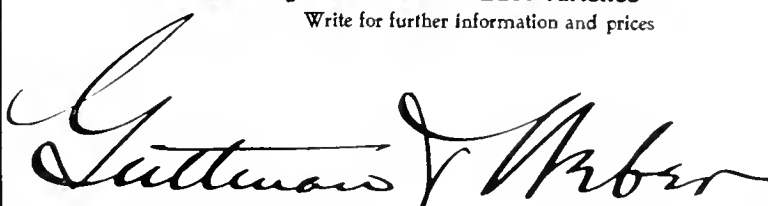
CARNATION CUTTINGS

DEPEND

on receiving only STRONG and HEALTHY cuttings when you order from US

We have only the NICEST and BEST varieties

Write for further information and prices



The Wholesale Florist of New York
 43 West 28th Street

Grower
 Lynbrook, L. I.

Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, Etc.

The Test ^{Is} Tells The Story

When growers, who buy by the hundred the first season, order thousands the next **IT MEANS MERIT**

BEACON CARNATION

Occupies this enviable position. As an all Winter Blooming Scarlet

IT HAS NO EQUAL

Strong, vigorous, healthy cuttings ready now, per 100 \$6.00. per 1000 \$50.00

WINSOR	\$6.00	\$50.00	ROSE ENCHANTRESS	\$4.00	\$35.00
WHITE PERFECTION.....	4.00	35.00	ENCHANTRESS	5.00	25.00

Make all Money Orders payable to NORWOOD, MASS.

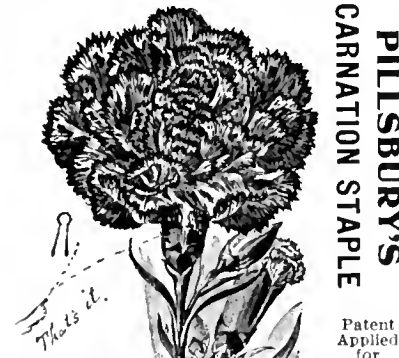
PETER FISHER, - - Ellis, Mass.

100,000 STRONG, WELL-ROOTED CARNATION CUTTINGS

READY NOW OF Enchantress, Boston Market, Mrs. T. W. Lawson

If you desire well-rooted cuttings, free from disease, cool grown and vigorous, and that are guaranteed to give satisfaction as to quality and to please you as to prices, then write me, for it will pay you.

A. F. LONGREN, Des Plaines, Ill. Headquarters for all desirable varieties of Carnation Cuttings.



PILLSBURY'S CARNATION STAPLE
 Patent Applied for

The best, cheapest, quickest, simplest and easiest way to fix your Split Carnations. No tools required.

Only 50c. per 1000, postpaid

I. L. Pillsbury
 Florist, GALESBURG, ILL.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
54 WEST 28th STREET, NEW YORK
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK The cut flower market is still in a very depressed state; roses, along with all other flowers, are now meeting with poorer demand, and prices are consequently decreasing. The greatest drop has been in American Beauty roses; specials of these can now be bought at from \$15 to \$20 per 100. For smaller lots 25c. each is at times realized, but very few sales are made at this figure. Bride, Bridesmaid and other roses are accumulating more than they have done at any time since the beginning of the year, and while prices quoted run anywhere from \$1 to \$6 per 100 according to the grade, averages will be necessarily low, as the main quantity has to be moved at figures which suit the speculator whenever a clearance is desired. Carnations are neither better nor worse than they have been for some weeks; we do not believe there are quite so many coming in, and prices remain just as low and daily clearances are out of the question.

Lily of the valley is not quite so plentiful as it has been for some time. There seems to be a slight diminution in the supply of narcissus both white and yellow; still, there are more coming in than can be moved at profitable prices. Violets continue plentiful and cheap, as also do sweet peas. There is a steady supply of lilies, prices of which run anywhere from 6c. to 10c. each. Snapdragon is in the market regularly, and a few gladiolus appear occasionally.

Bulbous flowers began to arrive from the South this week, which, with our already overstocked market, naturally made it more difficult to dispose of the local supply.

CHICAGO.—The market has gone from bad to worse, and business is about at the minimum. The local demand for cut flowers is extraordinarily light, and buying of the hand to mouth order. It is considered that the Lenten season has something to do with the situation, and the inference is probably right. Lent was not felt so much last season, as it came when there was a comparative scarcity of flowers. This year when many commodities are at the gut point the arrival of Lent is certainly noticeable in a general falling off in demand. The carnation situation is improved in that the heavy crop has passed, and supplies are now no greater than can be taken care of in a normal market, but with a poor demand there is almost as much sacrificing done to move stocks as has been the case in the past week or two. White varieties are perhaps the exception, as they are used largely in funeral work, and are in better demand although in line with the other sorts in price. Roses are in plenty, and move slowly, except in the higher grades. Bride hardly seem to be wanted at all. There is a lot of short to medium stock which has to be cleaned out at times under inducements. Long stemmed American Beauty continue scarce, and this scarcity will be on for a week or two yet. Killarney is coming nicely in crop, and there will no doubt be plenty of flowers in evidence for St. Patrick's Day requirements. Bulbous stock moves only with effort, and prices are shaved well at times to effect a clean-out. Large quantities of daffodils, narcissus, and hyacinths are daily arriving, but only the best of stock moves within the higher range of prices. Freesia does not seem to be greatly wanted and much stock goes to waste. Daisies are fairly plentiful and sell well when in good shape, some which are arriving in small boxes reach the counters in the best condition. Violets are in fair demand, but it is mainly for locally grown stock; not many New York violets are arriving, and most of the consignments are not in the best of condition.

J. H. P.

BOSTON.—Business continues much in the same condition as has prevailed for several weeks. All sorts of material are plentiful, and prices have not improved a great deal. American Beauty roses are not so much in demand as they were; values vary according to the length of stems, the better grades bringing 35c. and 40c. Richmond and Killarney sell fairly well at \$3 and \$4 per dozen for the best grades; Bride and Bridesmaid bring from \$2 to \$10. Carnations realize \$1 and \$2 for the general and \$2.50 and \$3 for the best grades. Lilies bring \$8 to \$12, bulbs, \$6 to \$10. Lily of the valley, \$1 to \$7; violets, 20c. and 60c.; tulips, \$1 and \$2; narcissus, \$1 and \$1.50; smilax, \$12 to \$15; admiral, 75c. to \$1.50; asparagus, 50c. per string and A. Springer, 50c. per bunch.



This is Design No. 2

A. T. De La Mare Ptg. & Pub. Co. Ltd. Post Office Box 1697
NEW YORK CITY, N. Y.
Publishers The Florists' Exchange

Do Not Order Your Easter Advertising Matter Until You Have Examined Our Original

EASTER Announcements

Successful Business cannot be obtained without special endeavor. One's own personal efforts need backing and the most helpful backer is WELL-DIRECTED ADVERTISING, carefully selected and freely used.

For those florists who cater to the EASTERTIDE TRADE, we have prepared six graceful and attractive designs which we offer at a price that appeals to the user of good printing. We furnish THESE EASTER ADVERTISING ATTRACTIONS in the shape of small oblong four-page folders, printed in the finest style and on the best heavy enamel paper, with the engraving covering the front page and the advertisement on the third page. A fine quality baronial envelope is included in the price.

Delivery is F. O. B. New York at the following prices:

100 Folders and 100 Envelopes.....	\$3.50
250 Folders and 250 Envelopes.....	6.00
500 Folders and 500 Envelopes.....	10.00
1000 Folders and 1000 Envelopes.....	18.00
Each additional 1000, at same order.....	15.00

On orders for 500 or over customer may select two or more styles without extra charge. If interested, send at once for a sample set of these Announcements. They are original designs, made expressly for the season of 1908, and will interest you. It only costs one cent to look them over.

We expect lots of orders for these Announcements, so would advise you to act promptly if you wish yours filled in good time. Address

Special Easter Advertising literature made to order. Let us know what you want and we will be glad to quote you. Time is passing; write now.

INDIANAPOLIS.—The lion and the lamb are taking alternate stands, seemingly, in the flower business, as one or two days are rushed with orders, only to be followed by a period of unusual quiet. All in all, trade is more satisfactory than last month; counter trade, the best indicator of the retail flower world, particularly so. Department and other large concerns are arranging for their customary purchases for Spring openings. Carnations are sometimes disposed of by the thousands for that purpose. Bulbous stock overloads the market; the grower who maintains regular prices loses a quantity of it; the store man and grower relieves himself of it in various unprofitable ways. Carnations usually clean up at \$2 to \$3 per 100. Violets are scarce at no time, the price being 35c. to 50c. per 100. Killarney and Richmond roses are favored in the retail trade at \$1.50 to \$3 per dozen. Select Bride and Bridesmaid retail at \$1 to \$2 per dozen. A large portion of the American Beauty roses, long and short, are too bulb-headed to be fit for use. \$5 to \$35 per 100 is the price for them. Mignonette, daisies, snapdragon, heliotrope and forget-me-not make exquisite boxes of Spring flowers possible.

Flowering plants are in amazing profusion everywhere; sales are good, but a large margin of profit goes with the surplus.

Tomlinson Hall Market notes an improvement in trade. Retail and wholesale departments have been able to clean up better than during the previous weeks, even though prices suffered.

I. R.

ST. LOUIS. There was a great slump the past week in both retail and wholesale circles mostly caused by the falling off of social work, which is always scarce during the Lenten season; prices have fallen considerably for all grades of stock. Carnations are coming in in large lots and of fine quality, with fancy stock as low as \$1.50 to \$2 per 100, second grades \$7.50 per 1000, and common stock \$5 per 1000. Roses, too, are in greater supply than can be disposed of,

and fancy varieties are down to \$6 per 100; firsts and seconds, \$2 to \$3 per 100, and shorts, \$7.50 to \$10 per 1000. American Beauty in long fancy, are not over-plentiful, with a light demand; other grades in these are in plenty. Bulbous stock and violets are a great hit, and prices so low on most of this stock that it is impossible to quote them correctly. The green goods market, as usual, is in a healthy condition, with prices the same as formerly.

ST. PATRICK

PROVIDENCE, R. I.—For the past month trade has improved a great deal. Stock of all kinds has been plentiful and prices on the decline. Violets sell for 30c. per 100 wholesale. Carnations bring from \$2 to \$4 per 100. Callas and Harish lilies are coming in in quantities and average about \$1.50 per dozen. Sweet peas bring \$1 per 100. Bulbous stock is very abundant both in pans and cut, and the grower is taking what he can get for it in quantities.

Blooming and decorative plants are not moving very fast, but we hope to have a different story Easter week.

G. A. J.

NEW BEDFORD, MASS.—Not only the cut flower trade, but all other branches of business are very dull just now. There is a good supply of flowers on hand. Carnations retail at 50c. per dozen, a few firms selling at 35c. Violets are a drug on the market just now; 75c. and \$1 per hundred retail are the prices asked. There is plenty of bulbous stock; 50c. per dozen is the general price, some going at 35c. Funeral work is quite plentiful. We are having grand weather in this section and from indications it looks as if there will be a good crop of carnations and violets for Easter.

HORTICO.

CHATHAM, N. Y.—The Chatham Floral Company is to remove its large greenhouse on Fairview avenue to its plant above the Rutland tracks.

CUT FLOWERS FOR SALE

You can buy your Narcissus, Jonquils, Tulips, etc., direct from the largest growers in the South. For prices, etc., apply.

HUBERT BULB COMPANY, R. F. D. No. 2. PORTSMOUTH, VA. Gold Medalists, Jamestown, 1907.

FIRMS WHO ARE BUILDING.

LAFAYETTE, IND.—Herman Roth will add a large greenhouse to be devoted to the growing of roses.

CHANGES IN BUSINESS.

FARMINGTON, CONN.—Mrs. Hugh Chesney has sold her greenhouses, including her house on Canal street, to Joseph Haworth of Yonkers, N. Y. Mr. Haworth will continue the business.

BEAUMONT, TEX.—The Southeast Nursery Company, with a capital stock of \$6,000, has been chartered. Its incorporators are E. McMicken, J. W. Spurlock, T. A. Spurlock and A. Spurlock.

NEW LONDON, WIS.—The Olson greenhouses have secured a new location just south of the city. Their present quarters were entirely inadequate for their needs and with plenty of room they expect to make the growth of nursery stock and bulbs two important branches of their business. The 57 acres they have secured give them the needed room and the two greenhouses in use at present will be moved to the new site. Three additional buildings will also be erected.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

MRS. JARDINE 2 1/2 inch plants, \$30.00 per 100, \$70.00 per 250, \$250.00 per 1000.
Cut Flowers, \$2.00 for medium length stems, \$3.00 for long stems.

1608 to 1620 LUDLOW STREET Store Open 7.30 A. M. to 8 P. M.

BEAUTIES

We have an excellent supply. Quality hard to beat. Let us fill your next order.

The Leo Niessen Co.

WHOLESALE FLORISTS

1209 Arch Street, Philadelphia

CARNATIONS A SPECIALTY

CARNATIONS ROSES
VIOLETS, VALLEY.

GEO. B. HART, Wholesale Florist, 24 Stone St., ROCHESTER, N. Y.
Mr. Hart's Handy Handle.

Headquarters in WESTERN NEW YORK For Roses, Carnations. Add all kinds of Seasonable Flowers.



WM. F. KASTING CO.
Wholesale Commission Florists
Dealers to Florists' Supplies and Wire Designs
383-87 Elliott St. BUFFALO, N. Y.
Give us a trial. We can please you.

BERGER BROS.

WHOLESALE FLORISTS
No. 1305 Filbert St., Philadelphia
Bell and Keystone Phones

H. G. BERNING

Wholesale Florist
1402 Pine St., St. Louis, Mo.

Philadelphia.

Trade Notes.

As usual with the starting in of the Lenten season we notice a falling off in cut flower business. All the wholesale houses are loaded up with all kinds of stock; even American Beauty roses, which had been scarce, are now noticed in larger quantities. All written quotations on flowers are most misleading, as nearly everybody is glad to sell at any fair price offered.

Easter stock is now taking up all the attention of growers. We hear of many large losses in lilies, in some cases 50 to 60 per cent, being thrown out.

Preparations are now noticed for St. Patrick's Day; as usual Wm. K. Harris has thousands of pots and pans of shamrock (or rather trifolium) for this event, which are selling well.

The William Graham Company had a large decoration in Harrisburg on Tuesday, the event being a banquet given by Governor Stuart to the Supreme and Superior Court Judges. DAVID RUST.

Boston.

News Notes.

Kenyon G. Butterfield, president of the Massachusetts Agricultural College at Amherst, was the speaker at the meeting of the Massachusetts Horticultural Society on Saturday. His subject was "Agricultural Education in Schools" and although not much in a horticultural line there was a fairly good attendance.

Peirce Brothers' auto-truck has made its appearance mornings at the Flower Market to which it will make regular trips from the firm's large establishment at Waltham.

William Sim has just added nine more acres of land to his place for Summer production. He has a splendid crop of sweet peas at present, the principal varieties being Florence Renzer and Christmas Pink, each of which he cuts with stems averaging twenty inches, while many of them reach two feet.

Paul Rielwagen has a nice strain of antirrhinums which he brings daily to market in several fine colors.

T. J. Butterworth has many fine cat-tails still in bloom and has a nice lot of lily of the valley of which he forces many thousands at this season and for Easter.

Welch Brothers report shipping trade good to all parts of the New England and the Eastern States.

John McKenzie will add another greenhouse, 150 feet long, to his establishment at North Cambridge and will commence building in early Spring.

Mrs. Forbes, Aulandale, makes a specialty of growing English ivy leaves for which she has worked up quite a trade.

At the meeting of the Gardeners and Florists' Club on Tuesday next the subject for discussion will be "Roses"; W. H. Elliott, E. Holmes and other well-known rosarians will take part. J. W. DUNCAN.

PITTSFIELD, MASS.—Max R. Engelman, junior partner in the firm of R. Engelman & Son, has brought a bill in equity against his father through his attorneys, Green & Bennett of Springfield, asking that the partnership be dissolved and that a receiver be appointed. The local property of the firm has been attached in \$8,000. The bill of complaint states that Max and Richard Engelman have been in the florist business in Pittsfield; that they are now unable to agree, that Richard has undertaken to exclude Max from the management of the business, and that he possesses certain real estate exclusively in his own name which has been paid for in whole or in part with the firm's money. It is prayed that the partnership be dissolved; that a receiver be appointed to take temporary charge pending the appointment of a permanent receiver, to collect all money due the firm and take possession of all the firm's property. Also that Richard Engelman be ordered to turn over everything to the receiver; that he be enjoined from selling, transferring or assigning any of the firm's property; that all partnership property now in his name be reconveyed to the receiver, and that an accounting and balance be made between the partners.

The firm conducts a greenhouse on Elm street with a salesroom in the Miller building on North street.

Wholesale Prices of Cut Flowers—Per 100

Boston Mar. 9, 1908	Buffalo Mar. 9, 1908	Detroit Mar. 8, 1908	Cincinnati Mar. 8, 1908	Baltimore Mar. 9, 1908	NAMES AND VARIETIES	Milwaukee Mar. 3, 1908	Phil'delphie Mar. 2, 1908	Pittsburg Mar. 9, 1908	St. Louis Mar. 9, 1908
35.00 to 40.00	30.00 to 50.00	20.00 to 25.00	..... to .....	..... to	A. BEAUTY, fancy-special	..... to 40.00	60.00 to 75.00	40.00 to 50.00	20.00 to 25.00
20.00 to 35.00	20.00 to 30.00	15.00 to 20.00	..... to .....	..... to	" extra	..... to 25.00	40.00 to 60.00	20.00 to 30.00	12.50 to 15.00
10.00 to 20.00	10.00 to 15.00	10.00 to 15.00	..... to .....	..... to	" No. 1	..... to 20.00	20.00 to 30.00	10.00 to 15.00	6.00 to 10.00
4.00 to 10.00	4.00 to 10.00	4.00 to 10.00	..... to .....	..... to	" Oulls and ordinary	..... to 10.00	6.00 to 20.00	4.00 to 6.00	3.00 to 5.00
8.00 to 10.00	..... to 10.00	8.00 to 10.00	..... to .....	..... to 6.00	BRIDE, 'MAID, fancy-special	..... to 8.00	10.00 to 12.00	10.00 to 12.00	6.00 to 8.00
6.00 to 8.00	8.00 to 10.00	6.00 to 8.00	4.00 to 5.00	7.00 to 8.00	" extra	..... to 6.00	8.00 to 10.00	..... to 8.00	4.00 to 5.00
4.00 to 6.00	..... to 6.00	4.00 to 6.00	2.00 to 3.00	6.00 to 7.00	" No. 1	..... to 3.00	4.00 to 6.00	..... to 6.00	2.00 to 3.00
2.00 to 4.00	3.00 to 4.00	..... to	1.00 to 2.00	4.00 to 5.00	" No. 2	..... to 4.00	3.00 to 5.00	..... to 4.00	..... to
..... to .....	..... to 8.00	..... to .....	..... to 1.00	5.00 to 10.00	GOLDEN GATE	4.00 to 6.00	3.00 to 10.00	4.00 to 8.00	2.00 to 5.00
..... to .....	..... to 4.00	4.00 to 10.00	..... to	6.00 to 10.00	K. A. VICTORIA	4.00 to 6.00	..... to .....	..... to .....	..... to
..... to	4.00 to 7.00	..... to .....	..... to .....	..... to	LIBERTY	4.00 to 8.00	3.00 to 25.00	..... to .....	..... to
..... to .....	..... to .....	..... to .....	..... to	4.00 to 6.00	PERLE	4.00 to 6.00	..... to	4.00 to 6.00	..... to
..... to	1.50 to 2.00	..... to .....	..... to .....	..... to 5.00	ORCHIDS—Cattleyas	..... to	60.00 to 75.00	..... to .....	..... to
1.00 to 1.50	2.00 to 2.50	1.00 to 1.50	1.00 to 2.00	2.00 to 2.50	Interior grades, all colors	1.00 to 2.00	1.00 to 1.50	.75 to 1.00	.75 to 1.00
1.00 to 1.50	2.00 to 2.50	1.00 to 1.50	1.00 to 1.50	2.00 to 2.50	Standard	1.00 to 2.00	1.50 to 2.00	..... to 1.50	.75 to 1.00
1.00 to 1.50	2.00 to 2.50	1.00 to 1.50	1.00 to 2.00	2.00 to 2.50	" White	1.00 to 2.00	1.50 to 2.00	..... to 1.50	.75 to 1.00
1.00 to 1.50	2.00 to 2.50	..... to	1.00 to 2.00	2.00 to 2.50	" Pink	1.00 to 2.00	1.50 to 2.00	..... to 1.50	.75 to 1.00
2.00 to 3.00	3.00 to 4.00	1.50 to 2.00	1.00 to 3.00	3.00 to 4.00	" Red	1.00 to 2.00	1.50 to 2.00	..... to 1.50	.75 to 1.00
2.00 to 3.00	3.00 to 4.00	1.50 to 2.00	1.00 to 3.00	3.00 to 4.00	" Yellow and var	1.00 to 2.00	1.50 to 2.00	..... to 1.50	.75 to 1.00
2.00 to 3.00	3.00 to 4.00	2.00 to 2.50	1.00 to 3.00	3.00 to 4.00	" White	..... to 3.00	2.00 to 4.00	2.00 to 3.00	1.50 to 3.00
2.00 to 3.00	3.00 to 4.00	2.00 to 2.50	1.00 to 3.00	3.00 to 4.00	Fancy	..... to 3.00	2.00 to 4.00	2.00 to 3.00	1.50 to 3.00
2.00 to 3.00	3.00 to 4.00	..... to	1.00 to 3.00	3.00 to 4.00	" Pink	..... to 3.00	2.00 to 4.00	2.00 to 3.00	1.50 to 3.00
..... to 4.00	..... to .....	..... to .....	..... to	3.00 to 4.00	" Red	..... to 3.00	2.00 to 4.00	2.00 to 3.00	1.50 to 3.00
.75 to 1.50	..... to 1.00	..... to .....	..... to .....	..... to	" Yellow and var	..... to 3.00	2.00 to 4.00	2.00 to 3.00	1.50 to 3.00
..... to 50.00	50.00 to 60.00	.75 to 1.00	35.00 to 50.00	25.00 to 50.00	Novelties	..... to .....	..... to .....	..... to .....	..... to 1.25
..... to 10.00	20.00 to .....	..... to .....	..... to 25.00	25.00 to 50.00	ADIANTUM	..... to 1.00	1.00 to 1.50	.75 to 1.00	1.00 to 1.25
6.00 to 10.00	6.00 to 12.00	..... to .....	..... to 10.00	8.00 to 12.50	ASPARAGUS, Plum. and Tea	20.00 to 30.00	..... to	50.00 to 50.00	..... to
..... to .....	..... to .....	..... to .....	..... to .....	..... to	" Sprenger bunches	20.00 to 30.00	35.00 to 50.00	20.00 to 40.00	25.00 to 75.00
..... to 1.00	..... to .....	..... to .....	..... to .....	..... to	CALLAS	..... to 15.00	8.00 to 12.50	8.00 to 10.00	6.00 to 10.00
..... to .....	..... to .....	..... to .....	..... to .....	..... to	CHRYSANTHEMUMS	..... to .....	..... to .....	..... to .....	..... to
8.00 to 12.00	10.00 to 15.00	15.00 to 18.00	..... to 10.00	10.00 to 12.50	DAISIES	..... to .....	..... to .....	..... to .....	..... to
1.00 to 4.00	2.00 to 4.00	3.00 to 4.50	2.00 to 4.00	3.00 to 4.00	GLADIOLUS	..... to .....	..... to .....	..... to .....	..... to
1.00 to 6.00	2.00 to 5.00	..... to .....	..... to .....	..... to	LILIES	12.50 to 18.00	10.00 to 12.50	8.00 to 10.00	..... to
12.00 to 15.00	..... to 15.00	..... to 15.00	12.00 to 15.00	15.00 to 20.00	LILY OF THE VALLEY	..... to 1.00	1.50 to 4.00	3.00 to 4.00	2.00 to 3.00
.30 to .60	.40 to .75	.50 to 1.00	..... to .25	.50 to .75	MIGNONETTE	2.00 to 6.00	1.50 to 4.00	2.00 to 4.00	4.00 to 5.00
..... to to to to to	SMILAX to 15.00	12.50 to 20.00	12.50 to 15.00 to 12.50
..... to to to to to	VIOLETS	.50 to 1.00	.25 to 1.00	.25 to .75	.15 to .25

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Killarneys
Richmonds
Brides, Maids
American Beauties
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LIMITED
WHOLESALE FLORISTS
222 Oliver Ave., Pittsburg, Pa.

Detroit.

Trade Notes.

Business is rather quiet with a correspondingly large surplus in all kinds of cut flowers. Azaleas, rhododendrons and lilies in pots are also plentiful. Very good carnations wholesale at from \$1 to \$1.50 per hundred and the retail prices range from 35c. to 75c. per dozen. A good deal of funeral work helps somewhat to reduce the stock on hand.

Mr. and Mrs. Philip Breitmeyer have gone on a short trip to Florida.

J. F. Sullivan is still very weak, following a severe attack of the grip.

F. D.

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THE FLORISTS' EXCHANGE.
When Writing Please Mention

ESTABLISHED 1894

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DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS

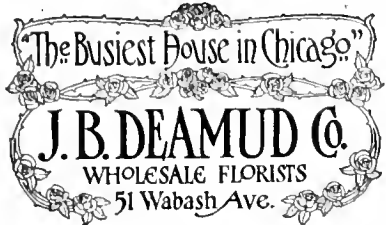
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Headquarters for American Beauty Rose

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Valley, Carnations and Roses

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We have prepared for the Easter season, six different designs in Easter Announcement Cards, specially for those who sell Easter stock at retail. These Announcements are simple but effective, and very inexpensive. For a set of samples, etc., address

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and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS

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Roses and Carnations WHOLESALE CUT FLOWERS
A Specialty GROWER of

Wholesale Prices of Cut Flowers, Chicago, Mar. 11th, 1908

Prices quoted are by the hundred unless otherwise noted

ROSES		CARNATIONS	
American Beauty		STANDARD VARIETIES	
36-inch stems.....per doz.	4.00 to 5.00	White.....	1.00 to 2.00
30-inch stems....."	2.00 to 3.00	Pink.....	1.00 to 2.00
24-inch stems....."	.... to 2.50	Red.....	2.00 to 3.00
20-inch stems....."	.... to 1.50	Yellow & var.....	1.00 to 3.00
18-inch stems....."	.... to 1.25	FANCY	White.....
12-inch stems....."	.... to .75	The highest grades of Sta'd varieties.	Pink.....
8-inch stems and shorts "	.... to .50	Red.....	2.00 to 3.00
Bride Maid, fancy special...	6.00 to 8.00	Yellow & var.....	3.00 to 4.00
" extra.....	.... to 4.00	NOVELTIES	2.00 to 3.00
" No. 1.....	2.50 to 3.00	LILAC, white, per bunch.....	.... to 1.50
" No. 2.....	1.00 to 2.00	LILIES, Harrisil.....	10.00 to 12.00
Golden Gate.....	4.00 to 8.00	CALLAS..... per doz.....	1.00 to 2.00
Uncle John.....	4.00 to 8.00	SMILAX.....	10.00 to 12.00
Liberty.....	4.00 to 10.00	LILY OF THE VALLEY.....	1.00 to 3.00
Richmond.....	8.00 to 15.00	HARDY FERNS per 1000.....	.... to 2.00
Killarney.....	2.00 to 8.00	GALAX (green).....	.... to 1.00
" extra.....	10.00 to 15.00	" (bronze).....	.... to 1.00
Perle.....	3.00 to 8.00	MIGNONETTE.....	1.00 to 3.00
Chatenay.....	3.00 to 8.00	VIOLETS, double New York.....	.25 to .40
K. A. Victoria.....	3.00 to 8.00	" local double.....	.40 to .50
Mrs. Marshall Field.....	.... to 1.50	" " single.....	.25 to .50
ADANTUM.....	1.00 to 1.50	NARCISSUS.....	1.50 to 2.00
ASPARAGUS, Plum, & Ten.....	.35 to .50	ROMANS.....	1.50 to 2.00
" Sprengerl, bunches.....	.35 to .50	SWEET PEAS.....	.40 to 1.25
Orchids—Cattleyas.....	40.00 to 50.00	TULIPS.....	1.00 to 3.00
CYPRIPEDIUMS.....	1.00 to 1.50	.....	.... to
.....	.... to .....	.....	.... to
.....	.... to .....	.....	.... to

Chicago.

Club Meeting.

The regular monthly meeting of the Chicago Florists' Club was held at the Union Hotel on Thursday evening, March 5. President Leonard Kill occupying the chair. An invitation to attend a lecture on trees by John T. Withers at the Academy of Sciences on March 7 was read. Mr. Withers in his letter offered to deliver the same lecture before the club, but it was not considered possible to arrange for it. The thanks of the club, however, were directed to be tendered to Mr. Withers for his kind offer. A. Aggerholm, Onarga, Ill.; Emil Pielke, Geneva, Ill.; H. C. Blewitt, Des Plaines, Ill.; R. Schiller, Chris. Peterson, John Michaelson and H. P. Prescott, Chicago, were nominated for membership; and the six candidates nominated at the last meeting were elected.

A letter from Secretary Hammond of the American Rose Society was read in which that gentleman said that the list of special prizes for award at the exhibition was greater than the list of last year. August Poehlmann spoke of the work done in connection with the preparations for the rose show.

The banquet committee reported progress and received further instructions from the club regarding the banquet to be given to the American Rose Society.

On motion of Mr. Poehlmann an amendment to the by-laws was agreed upon, changing the date of meeting from the second Thursday to the first Thursday in the month.

The meeting was the first held in the new quarters, and members expressed themselves as greatly pleased with the change. The action of the officers in making the change was approved at the meeting. After adjournment lunch was served, and the members lingered in conversation until a late hour.

News Notes.

John T. Withers, Jersey City, N. J., delivered a very interesting lecture at the Academy of Sciences on Saturday evening, March 7, on "The Value of the Tree and its Care." A large number of lantern slides were thrown upon the screen, showing trees in various stages of health and decay, and the lecture was listened to with much interest by the audience.

The banquet committee of the Chicago Florists' Club has completed arrangements for holding the club's banquet to the American Rose Society at the Union Hotel.

Peter Reinberg, at the Democratic primaries held last week, was again nominated for election to the Board of Aldermen of Chicago.

The rose show committee of the Chicago Florists' Club met on Monday and settled many details concerning the proper advertising of the exhibition and the issuance of tickets. The public is to be admitted in the afternoons for 25c, and in the evenings, from 5 to 10 o'clock for 50c. A special rate of 25c, will be made for florists' employees for the evening; and members of the Chicago Florists' Club and the Chicago Horticultural Society will be furnished with season tickets without charge. Sub-committees were appointed to look after all details.

Charles W. McKellar is installing a new refrigerating show case for his orchids, but has no trouble in the temporary storage of his stock. His arrivals of cattleyas are confined almost exclusively to C. Schroederae.

George Reinberg is receiving a few Cattleya Mossiae, with the other varieties of orchids from his greenhouse.

L. O. Kemble of Marshalltown, Ia., is a visitor this week.

J. H. PEPPER.

St. Louis.

News Notes.

The second annual Spring flower show of the St. Louis Horticultural Society opens Tuesday, March 10, for three days. The exhibition will be held in the large banquet hall of the Grand avenue Masonic Temple building. To-day (Monday) the members of the executive committee are busily engaged preparing the hall for the opening. Chairman Saunders of this committee reports that the entire list is largely made up of local florists, and the hall may prove too small for the exhibition. All are looking forward to a successful show.

W. C. Smith's mother left for Milwaukee the past week to be at the bedside of her sick daughter, Mrs. A. V. Hunkel, wife of M. Hunkel of Holton & Hunkel, wholesale florists.

Martin Moran has taken a position with the St. Louis Seed Company. He has for years been in the employ of Mrs. M. M. Ayers on Grand avenue.

Frank M. Ellis, formerly one of our wholesale commission men, writes that he will pay his St. Louis friends a visit in a few weeks, and that he has made a great success of his banana plantation in Panama. His family consisting of wife and two daughters still reside in St. Louis.

Henry Berning is receiving consignments daily of extra fine roses, carnations, bulbous stock and violets from his Kirkwood growers. Stock in all lines is abundant and prices low.

At Smith's, where violets are supreme, their consignments on Saturday were over 100,000; the fine Spring-like weather the past week brought them out in full force. Other seasonable stock is abundant at this house.

At Kuehn's, as at the other houses, stock is plentiful in all lines and grades. The specialties here are fine roses and carnations, with a good run of trade both local and shipping.

R. J. Windler and Conrad Bergestermann on South Grand avenue are showing a nice lot of extra fine blooming plants.

Edwin Loget, florist on King's Highway, received a "black hand" letter last week. Loget says he is not afraid and suspects it was sent as a joke.

J. E. Ammann's wife is reported very sick at her home in Edwardsville, Ill. This may prevent him from attending the club meeting and the Spring flower show. We extend our sympathy and hope for her speedy recovery.

George Kuhl, Pekin, Ill., reached town Monday morning and is calling on friends in the trade. Mr. Kuhl came to attend the opening of the Spring flower show, and we expect many other visitors.

The Florists' Club rose exhibition in conjunction with its regular monthly meeting promises to be largely attended on Thursday next. This will be the last meeting in the old hall, and a great many visitors are expected in the city to attend both exhibitions. The trustees are prepared to take charge of them and make things pleasant during their stay. Secretary Bentzen reports that he has received a number of answers from rose growers who will send exhibits, among them being the new roses Mrs. Jardine and My Maryland, which are being looked for with interest by our local rose growers, who will themselves make exhibits of standard varieties.

ST. PATRICK.

Indianapolis.

News Notes.

The State Florists' Association of Indiana at its monthly meeting completed arrangements for entertaining the American Carnation Society in 1909. The various committees were endorsed and provisions made for them to proceed as circumstances demanded. Messrs. E. G. Hill, Fred. Dorner, A. F. J. Baur, John Bertermann and others voiced the sentiment of those in attendance. Several worthy exhibits were staged, and awards made as follows: Special mention to R. Witherstatter, Sedansville, O., for vase of carnation Affordlow; honorable mention to Poehlmann Brothers Company, Chicago, for vase of Mrs. Potter Palmer rose; special mention to H. W. Riemann for pink seedling carnation, also for fine vase of orchid-flowered cyclamen. Carnation Shasta from Baur & Smith scored 85 points; the same exhibitors showed carnation May, which scored 80 points, the firm receiving also special mention for vase of seedlings, mostly white.

L. B.

Henry M. Robinson & Co.

Wholesale Commission Florists

Hardy Cut Evergreens and Florists' Supplies



BRONZE GALAX, best quality \$8.50 case of 10,000.
GREEN GALAX, best quality \$7.50 case of 10,000.
DAGGER and **FANCY FERNS**, \$1.50 per 1,000.

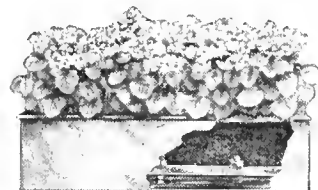
Laurel Festooning, Boxwood, Sphagnum and Green Moss, Southern Wild Smilax Leucothoe Sprays, etc.

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SELL YOUR CUSTOMERS FLOWER BOXES AS WELL AS FLOWERS

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These handsome metal window boxes, porch boxes, hanging baskets, jardiniere pans, etc., are made in twenty-five different shapes and sizes for use in all manner of places where growing plants are employed. Reservoir has to be filled with water only about once in two weeks—perfect sub-irrigation provided. The plants draw water as needed—never get too much, never get too little.

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Fancy or dagger, \$1.00 per 1000. Extra fine **BOXWOOD**, \$8.00 per case. Brilliant **Bronze or Green Galax**, \$1.00 per 1000 or \$7.50 per case of 10,000. Wild **SMILAX** 50 lb. cases, \$6.00. Fresh made **LAUREL FESTOONING**, 4c., 5c., and 6c. per yard.

Send us your orders and be pleased. **LEUCOTHOE SPRAYS**, bronze or green, 40c. per 100. **Grand Pine**, 7c. per lb. or 5c. per yard.

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FANCY and **DAGGER**. Extra fine, \$1.75 per 1000. **BRONZE** and **GREEN GALAX**, \$1.25 per 1000, \$7.50 per 10,000. **LEUCOTHOE SPRAYS**, \$1.00 per 100; \$7.50 per 1000. **SPHAGNUM MOSS**, extra large bales, per bale, \$1.25. **BOXWOOD**, per bunch, 35c.; 50 lbs., \$7.50. **FANCY** and **DAGGER FERN** our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

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Hart's Handy Handle

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Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and Decorative Greenery
New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.



HARDY CUT FERNS

Fancy or Dagger, \$1.00 per 1000. Good quality. Twenty years' experience.

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The American Carnation Price \$3.50
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Ever Ready Covers
Made of Waterproof Crepe Paper on a Card-board frame, tied neatly with wood fiber ribbon. Send 30 cents in stamps and we will send you covers that will fit a 6-inch standard pot, a 7-inch azalea pot and an 8-inch pan, with our illustrated booklet and price list. W. H. Grever, Mgr. Ever Ready Flower Pot Cover Co., 146 Hudson Ave., Buffalo, N. Y.

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Write, Wire or Telephone the Introducing.
Caldwell The Woodsman Decorating Co.
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Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.
McCray Refrigerator Company
762 Mill St., Kendallville, Ind.
Mention the Exchange when you write.



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10,000, \$1.75; 50,000 \$7.50
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Classical reproductions in Greek, Moorish and Italian styles in artistic Pottery, Window Boxes, Pedestals, etc., for interior and exterior use.

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This is The British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

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Chillwell Nurseries, Lowdham, Notts.
European Agents for THE AMERICAN CARNATION

Heating.

Grocers' Problems Solved by U. G. Scollay.
Will a boiler with 45 feet of heating surface be large enough to heat two rooms in a dwelling house, each 16 feet square, and a greenhouse adjoining south side of house, 12x60 feet, two pipes, 1 1/4-inch, on each side of greenhouse and 150 square feet of radiation? Is 150 feet of radiation sufficient for the two rooms? The lowest temperature you need to figure on is 15 degrees above zero. F. Oregon.

—You do not state whether your boiler is a small upright tubular or a cast iron type. You do not mention whether for steam or hot water, in your heating system. If you mean hot water you have not sufficient surface in either structure; if you mean steam you have about enough for the greenhouse for 55 degrees, and rather more than necessary in the two rooms.

Assuming the boiler to be an upright tubular, it will have a capacity of about 250 square feet of radiating surface for steam, and 425 square feet for water. If you intend to use water, put in the greenhouse at least 500 feet of 1 1/4-inch pipe, but I prefer you to use heating surface of 2-inch pipe, and put in about 400 feet. The dimensions of the room are not given correctly as to exposure, glass, etc.; but for hot water I would approximate about 85 square feet in each room. Four 1 1/4-inch pipes will do for steam in the greenhouse, and radiation of about 50 square feet for each room. For a plant of this size I would recommend you to use hot water. U. G. SCOLLAY.

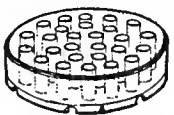
Consumption of Coal.
I would like an answer to the following: will give later the number of tons of coal I do consume for heating my plant; I have a six-section cast iron boiler, steam, rating 1000 square feet. I heat a nine room dwelling house to 65 degrees; a lean-to store, all glass, 14x34 feet, to 60 degrees; also a greenhouse, 19x33 feet, night temperature 50 degrees; day, 60 to 65 degrees, and a potting shed, 11x21 feet to 50 degrees. How much coal should I burn in a year? D. H. H.

New York.
—The particulars you send are not sufficient to allow anyone to inform you just how much coal you should burn. You do not give the dimensions of the rooms, or even send a sketch of the dwelling house, so that it is quite impossible to know how much surface would be required in the house. Your letter is not frank enough for me to give it all the attention that I ordinarily do, because you state that you will let me know later the amount of coal that you do consume. I do not care how much coal you burn; that would make no difference in my making a calculation as to how much you should burn, but your letter requests some authority to state how much you should burn, and it is not the intention of this paper to get into any controversy with outsiders regarding matters that may be in dispute. This may not be so, but I assume that it is, for there is no reason for you to state about letting me know later how much coal you do burn.

As your proposition is not strictly one that is devoted to the interests of the florists' trade, as to the main question of heating, I would suggest that you consult the makers of the boiler regarding this matter. U. G. SCOLLAY.

ANLO, O.—Elmer Leffel has completed a new furnace for his greenhouse establishment.

THE "JAPANA" Cut Flower Holder



A handy article for florists. Sells to the trade on sight. Made of glass in three sizes. The "Anglata" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

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PREPARED PALMS AND PALM LEAVES
In all varieties (Also Moss, Fibre, Needle Pines, Pine Cones, Uva Grasses, etc.)
Buy from **HEADQUARTERS Florida Natural Products Co.**
Fernandina, Fla.

New York.

News of the Week.

The Lenten season may perhaps not make any difference to the flower business in other cities, but certainly in New York it is having its effect, as the reduction of market prices testify.

The lecture on soils by Professor L. C. Corbett at the club meeting on Monday night proved a most interesting one, and was fully appreciated by all present. Soil is not such a dry subject after all when discussed by one who has made a careful study of it.

Professor Corbett's hearers certainly know more than they did about nematodes and club root, also the nodules that form on the roots of leguminous plants, and, without a doubt, much of the advice offered by the professor will be taken advantage of by growers who were present when they are making their compost heaps this year.

Ludovig Hendry, a brother-in-law of John Donaldson, the well-known florist of Elmhurst, L. I., died last week.

Samuel Burns of the Weathered Company returned last week from Virginia where he had been for some time on business.

The new location that William Elliott & Sons have secured for their seed and bulb business at 42 Vesey street is a most desirable one, and, as a long lease of the building has been obtained, the firm is to be congratulated. Of course, they will not move from their present location at 201 Fulton street until May, or perhaps one month later than that. Their auction season will open on Tuesday next (St. Patrick's Day) with a sale of roses, decorative and flowering plants, evergreens, bulbs, etc.

The general and ever-popular auctioneer, W. J. Elliott, will wield the hammer as has been his custom for many years, and with the choice line of goods that will be offered, together with his ever-increasing vocabulary, it goes without saying that this first sale of the season will be an event. These auction sales will be continued twice a week until the end of the Spring season.

Dr. J. M. W. Kitchen of East Orange, N. J., informs us that after a year's struggle with a foundry enigma he has succeeded in finding out how to cast iron patterns for sectional boilers without twisting or warping, which discovery means in time that new designs in boilers of greatly advanced economy and efficiency will eventually be on the market.

Dr. Kitchen has recently been allowed valuable patents on heating and power generating systems, and feels quite elated over his success in this line. He has been making a close study of heating apparatus for many years, and anything he can put on the market that will cut down florists' coal bills will be appreciated.

Hanf Brothers, who for many years have been located at Fifty-eighth street and Madison avenue, have moved to Sixty-second street and Madison avenue on the southwest corner.

E. V. Hallock, Floral Park, N. Y., was the recipient of some newspaper notoriety last week owing to his acting the Good Samaritan in the case of a traveler in distress. It seems that an Italian named Filomere, who had spent too much time in a saloon, on journeying homeward, fell and became partly unconscious. Mr. Hallock came upon the man as he had been lying all night, apparently dead, by the side of the road, and finding that he was still alive, Mr. Hallock procured from his house nearby hot water bags, blankets and pillows, and made the unconscious man as comfortable as possible. He then telephoned to the Jamaica police, who responded with a patrol wagon, and Filomere was taken to the St. Mary's Hospital, Jamaica, where he is recovering and will be out in a few days. Physicians assert that if it had not been for Mr. Hallock's prompt relief the man would have died.

The Holland-America steamship, Rotterdam, which was launched recently at Belfast and which will ply between European and American ports, is to have a palm garden, terrace garden, flower shop and every other convenience. We can easily understand what the palm garden will be like and the flower shop, as other steamships have already installed these accessories, but just where the terrace garden will be located, we are somewhat at a loss to conceive.

An elaborate birthday party was held at the home of Charles Weber, Lynbrook, L. I., the occasion being the birthday of Mrs. Weber. Many of the craft



THE WHILLDIN POTTERY COMPANY THE LARGEST MANUFACTURERS OF STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.



DREER'S Florist Specialties. New Brand New Style HOSE "RIVERTON" furnished in length up to 500 ft. without seam or joint. The HOSE for the FLORIST 3/4 inch, per ft., 1.00; 1 inch, per ft., 1.25; 1 1/2 inch, per ft., 1.50; 2 inch, per ft., 1.75; 2 1/2 inch, per ft., 2.00; 3 inch, per ft., 2.25; 3 1/2 inch, per ft., 2.50; 4 inch, per ft., 2.75; 4 1/2 inch, per ft., 3.00; 5 inch, per ft., 3.25; 5 1/2 inch, per ft., 3.50; 6 inch, per ft., 3.75; 6 1/2 inch, per ft., 4.00; 7 inch, per ft., 4.25; 7 1/2 inch, per ft., 4.50; 8 inch, per ft., 4.75; 8 1/2 inch, per ft., 5.00; 9 inch, per ft., 5.25; 9 1/2 inch, per ft., 5.50; 10 inch, per ft., 5.75; 10 1/2 inch, per ft., 6.00; 11 inch, per ft., 6.25; 11 1/2 inch, per ft., 6.50; 12 inch, per ft., 6.75; 12 1/2 inch, per ft., 7.00; 13 inch, per ft., 7.25; 13 1/2 inch, per ft., 7.50; 14 inch, per ft., 7.75; 14 1/2 inch, per ft., 8.00; 15 inch, per ft., 8.25; 15 1/2 inch, per ft., 8.50; 16 inch, per ft., 8.75; 16 1/2 inch, per ft., 9.00; 17 inch, per ft., 9.25; 17 1/2 inch, per ft., 9.50; 18 inch, per ft., 9.75; 18 1/2 inch, per ft., 10.00; 19 inch, per ft., 10.25; 19 1/2 inch, per ft., 10.50; 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HITCHINGS & Co.
LIGHT, RIGID AND ENDURING EAVES

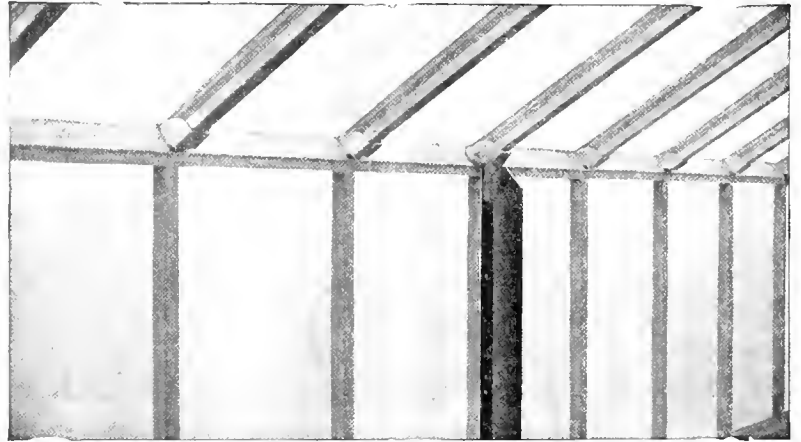
ARE ALWAYS FOUND IN OUR HALF IRON FRAME OR ALL IRON FRAME

GREENHOUSES

COMPARE THIS CUT WITH ONE IN LAST WEEK'S AD.

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Providence, R. I.

News Items.

Timothy O'Connor has been confined to his home the past three weeks, but is expected out in a short time. Mr. O'Connor is almost 75 years of age, and has been one of the most active business men about here for the past 50 years. He has an up-to-date greenhouse plant on the Blackstone boulevard, which is superintended by his son William, and a very extensive salesroom on Westminster street, which is looked after by his son Timothy L.

Richard Higgins, in his sad bereavement through the loss of his wife, who was buried last Sunday, has the heart-felt sympathy of his many friends here.

John J. Keller, one of the oldest and best-known florists of Indianapolis, Ind., about forty years ago, died March 1, 1908, at the residence of his son, Thomas Keller, 650 Cranston street, Providence, R. I., with whom he had resided the past four years. Mr. Keller received a severe shock in a car accident here some two years ago from which he never fully recovered. He was thoroughly conversant with plants, trees, and shrubs of all kinds, and one of the most interesting men to talk with on such subjects.

John Macrae is about again, after another stage of the grip. This is the third time he has been confined to the house the past winter. G. A. J.

Washington, D. C.

Florists' Club Meeting.

The special feature of the regular monthly meeting of the Florists' Club, which was held on the evening of March 2, was the election of officers. There was an unusually large attendance. Following is the result of the election. For president, Fred. H. Kramer; vice-president, John Robertson; secretary, Charles McCauley (re-elected); treasurer, William P. Gude. Peter Bisset, the retiring president, was, with Chas. McCauley, unanimously elected to fill the board of directors, which is as follows: Peter Bisset, Charles McCauley, George C. Shaffer, William P. Gude and John Robertson. The committee on awards was unanimously re-elected; it is composed of John Robertson, Charles McCauley, J. R. Freeman, and George H. Cooke. Mr. Bisset's valedictory address was well received.

Several out-of-town guests were present, including W. P. Craig, Philadelphia, who had a large vase of Mrs. Jardine rose, which recently took the silver cup at Boston, for best rose to be disseminated this year. Mr. Bisset had several blooms of his new seedling "G. B." which has already scored 87 points; these were magnificent specimens, with stems close to four feet in length. F. H. Kramer had a large vase of Queen Beatrice which were likewise much admired. The awards committee took notes and will give their decision at next meeting.

Robert Ross Jones, Harrisburg, Penn., was also a guest. He represents the Marchand Steam Trap concern and gave the club a most interesting discourse on its workings and accomplishments. Mr. Jones showed several new electric lamps which are just about to enter the market in competition with the usual incandescent lamp, but which differ materially

in the matter of giving much more light, with less consumption of current; another great feature was that the light was white, and by it color values could be distinguished. Considerable interest was manifested by the members in both the trap and lamps.

Bradley Davis, foreman to F. H. Kramer, was admitted to membership.

The personal tax collector having been around looking over the beautiful silver trophies which the club's bowling team has won, naturally wanted to collect, and this gave rise to the question of ownership, and as to whether the club or the bowling team should pay the tax. It was decided that it be paid by the former. This tax, inaugurated a few years ago with its various inconsistencies, has proven a severe hardship to more than one of our fellow florists, and needs investigation.

The annual dinner of the club in honor of its new officials will be given the first Tuesday in April. The committee of arrangements consists of George H. Cooke, chairman, Z. D. Blackstone, and George C. Shaffer, W. P. Craig volunteered to see that a vase of Mrs. Jardine should adorn the banquet table. Votes of thanks were extended to Messrs. Kramer, Craig and Bisset for their exhibits.

Lent has caused a stagnation in business; stock is abundant and good in quality.

The ladies' auxiliary to the bowling team is distinguishing itself, the games on March 6 resulted as follows:

Mrs. George C. Shaffer...	79	110	113
Mrs. McCauley	110	117	114
Mrs. Geo. Cooke	107	133	104
Miss Cooke	102	108	123

JAS. L. CARRERY.

Pittsburg.

Club News.

The regular monthly meeting of the Florists' Club held last week was well attended. Four new members were proposed, one of whom was the well-known Holland bulb merchant, A. Colyn. The schedule of plants to be exhibited in competition by the private gardeners next year at our meetings was adopted. It was decided to keep our present meeting place for another year. The following were exhibitors: Blind Brothers showed azaleas and pans of tulips. J. Bader had a collection of palms, azaleas and ferns; H. Heim, azaleas and Baby Rambler roses. D. Fraser, gardener to H. Frick, showed fine primulas; N. C. Madsen, gardener to R. Boggs, a magnificent plant of Cineraria radiata which created quite a sensation. The Phipps Conservatories in Schenley Park had tulips, hyacinths, narcissus, cinerarias, crown imperial, etc. The North Side Park conservatories showed a nice lot of cinerarias. F. Bartsch floral callas, as did the South View Floral Company.

There was quite a discussion as to whether it pays to grow calla blooms for the commercial trade, which was much doubted by the majority present. J. Walker, Youngstown, O., stated that he thought they paid well for those who use them in their own business, but not for wholesale trade. The opinion was that the California roots sent here were all right the first year, but not of much account thereafter. Mr. Walker has a strain which he has grown for

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some years that is excellent, producing many flowers somewhat smaller than the other sort, which is rather desirable.

The judges, John Walker and P. S. Randolph, made the following awards: For private gardeners, special mention to N. C. Madsen for well grown plants of Cineraria radiata; to D. Fraser for fine plants commercial size Primula obconica. H. Heim for evenly flowered azaleas and Baby Rambler roses first prize; Blind Brothers, second for azaleas and tulips in pans.

The next meeting's topic will be "Easter Plants and Flowers," with an exhibition.

B. L. Elliott and wife have returned from their trip to California. E. C. Ludwig and family are also home from their trip; they took in Mexico, Texas and New Orleans, and are all pleased and looking well after their two months' vacation. Quite a surprise was tendered to the family last Monday, the day after their arrival; many of their friends spent a most delightful evening at their home, and music, cards and a fine repast kept the party together till long after midnight.

Visitors during the week were J. Rölker, New York; S. S. Pennock, Philadelphia; A. Colyn of S. Colyn & Son, Voorhout, Holland, and John Walker, Youngstown, O.

Charles Erhart's father-in-law died suddenly here last week where he was on a visit; the body was taken to Cleveland, O., his home, for burial.

J. L. Wyland, the carnation grower, is serving on the jury for several weeks.

Business is still very unsatisfactory with lots of stock coming in. The growers are certainly up against it, never having experienced anything like this before. The weather is also most unfavorable—very wintry-like, with snow covering the ground. E. C. REINEMAN.

Los Angeles, Cal.

Trade Notes.

The trade conditions in this part of the State are sufficiently encouraging to warrant some of our growers enlarging their plants. Next month A. F. Borden will begin the erection of three substantial greenhouses, each 20x80 feet, which will give him a glass area of 50x80 feet. It is to be provided with a hot water system of heating. He has ordered from the East a hundred orchids as an experiment, and if successful with these will devote more space to these beautiful flowers which sell for \$1 per flower when brought to our market. Cattleyas are the only orchids I have ever seen on sale here.

Tom Wright is also thinking of adding another 200-foot house to his range. He has had exceptionally fine Mine, Abel Chateaux roses this season, which sold readily at \$5 per dozen. At Wright's I saw tulips brought from San Francisco that were pulled out of the flats and

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shipped, bulbs and flowers; customers sometimes wish them potted up, which the obliging florists do. P. D. B.

RICHMOND, VA.—Poat Brothers advise us that the Virginian crop of bulbous flowers is well forward, and should the weather warm up for a few days shipments will begin about the 20th. As large numbers were planted last Fall, heavy shipments can be expected this season.

BIRMINGHAM, ALA.—The State Horticultural Society has elected the following officers: President, W. F. Hoikes of Huntsville; secretary and treasurer, R. S. Mackintosh of Auburn.

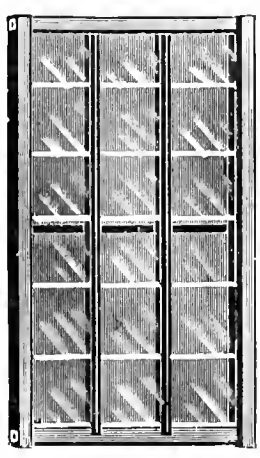


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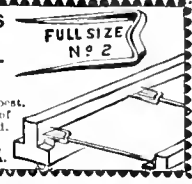
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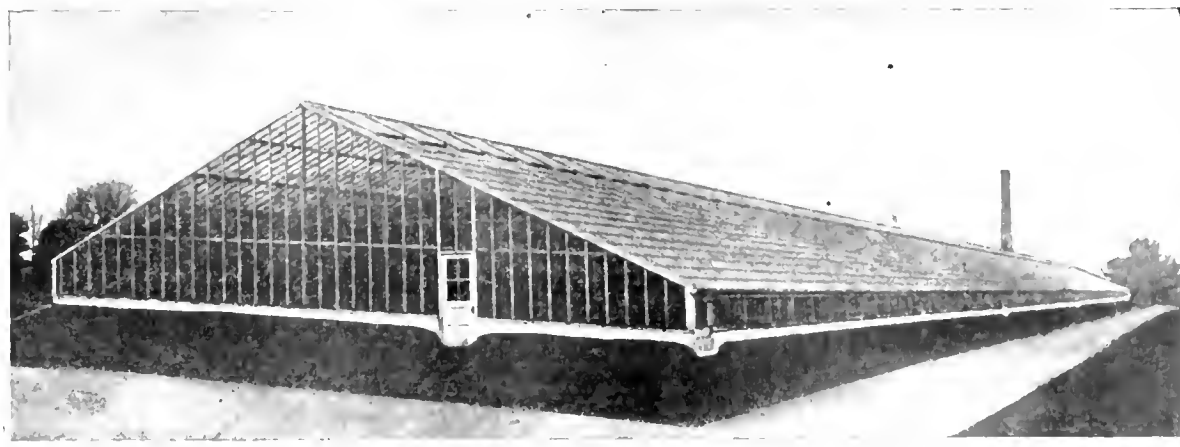
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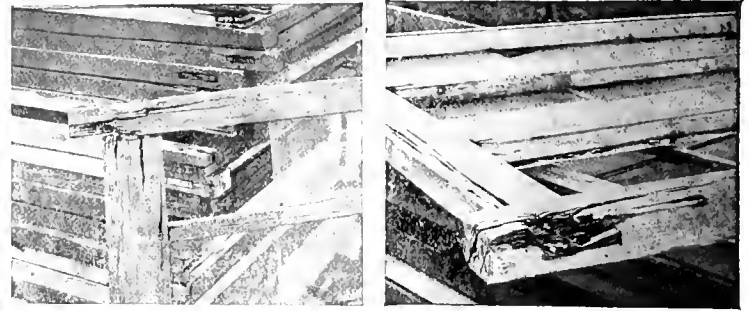
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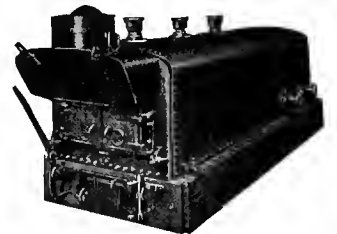
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VOL. XXV. NO. 12

NEW YORK AND CHICAGO, MARCH 21, 1908

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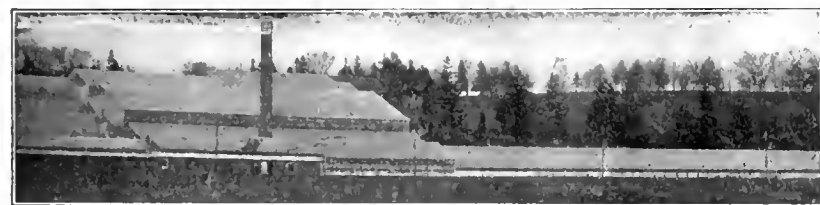
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CHINESE PRIMROSE, Finest grown, varieties mixed; 500 seeds, \$1; half pkt., 50c.
CINERARIA, Finest large-flowering dwarf, mixed, 1000 seeds, 50c.
CYCLAMEN GIGANTEUM, Finest mixed, 200 seeds, \$1.00, half pkt., 50c.
GIANT PANSY, Best large-flowering, mixed, critically selected, 5000 seeds, \$1.00; half pkt., 50c.

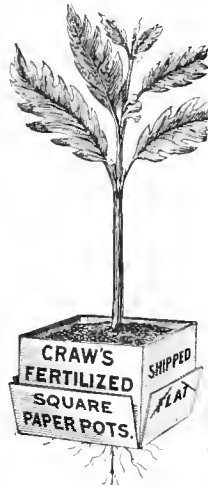
Cash. Liberal extra count of seeds in all packets.

JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



S. & W. CO.'s FERTILIZED FLOWER POTS

For Growing and Shipping Plants



MADE of Extra Heavy Manila Waterproof Cardboard, Fertilized, Wire Stitched Seams, Perfect Drainage and Shipped Flat.

If you grow Tomatoes or Pot Plants you cannot afford to pass over this.

These square pots economize space, give more room to the roots than the tapering round pots.

In setting out plants the pots are not removed. Simply unlock the bottom flaps and turn them up (see cut), allowing the roots to grow down.

Size	Gross Weight Per 1000	Per 250	Per 1000
2 1/4 inch	about 30 lbs.	\$0.75	\$2.25
3 inch	about 40 lbs.	1.00	3.50
3 1/2 inch	about 50 lbs.	1.25	4.50

In setting out plants unlock the bottom, pull not up one inch, and you have a wall to protect the roots against Grubs and Worms.

STUMPP & WALTER CO.

50 Barclay St., NEW YORK

But the Ribbons for you are Pine Tree Ribbons. The unusual lustre, perfect hand and feel, beautiful colors must convince you of the superiority of these ribbons over the ordinary kind.

And Yet,

as we say again and again, Pine Tree Ribbons cost you no more, possibly less, than the usual sorts, for sold to you direct from the mill, with the jobber and supply house cut out, you

Save All Between Profits

The Pine Tree Silk Mills Company

Philadelphia

Office and Salesrooms: 806-808-810 ARCH STREET
Address Dept. E, 52-54 N. EIGHTH STREET

With Easter but a month away, delay not to write for samples of the new Spring colors and shades which match and blend so beautifully with flowers and foliage.

CAULIFLOWER SEED

We are now prepared to furnish the best strain of Cauliflower Seed in the world—grown in Denmark and personally selected by Mr. Gundestrup during his recent visit to that country.

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50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants in bud and bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000, \$2.00 per 500.

PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

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Grower of the Finest Pansies

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NEW CROP

FLOWER SEEDS

Verbena Mammoth, in colors or mixed, 1/4 oz. 30c., oz. \$1 00.

Salvia Splendens, 1/4 oz. 35c., oz. \$1 25.

Salvia Bonfire, 1/4 oz. 75c., oz. \$2 50.

Lily Valley, Early Forcing, to close out, per 1000, \$11.00.

Fresh Tobacco Stems, Bale of 300 lbs. \$1 50.

W. C. BECKERT, Pittsburg, N. S. Pa.

TUBEROUS BEGONIAS
LARGE PLUMP BULBS FROM A PRIZE STRAIN.

Doz	100	1000	
SINGLE MIXED	\$0.30	\$2.00	\$18.00
SINGLE SEPARATE COLORS			
ORS	.35	2.25	20.00
DOUBLE MIXED	.50	3.50	33.00
DOUBLE SEPARATE COLORS			
ORS	.60	3.75	35.00

GIANT GLOXINIAS

Doz	100	1000	
CHOICE MIXED	\$1.50	\$8.25	\$30.00
SEPARATE COLORS	.60	3.50	

Early Forcing Valley
 Highest Quality, special offer to reduce Surplus Stock - 1.25 per 100; \$10.00 per 1000, 2500 (case) Pips \$23.00.

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JOHNSON SEED COMPANY,
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Asparagus Plumosus Nanus
TRUE GREENHOUSE CROP
READY FOR DELIVERY

Per 100, 50c., Per 1000, \$3.50;
 Per 5000, \$15.00.

H. H. BERGER & CO.
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PALM SEEDS

100	1000
Kentia Forsteriana, March	\$0.50 \$4.50
Kentia Belmoreana, March	.50 4.00
Cocos Weddelliana, Immediate	1.00 7.50
Areca lutescens, April	1.00 7.50
Latania Borbonica, February	.30 2.50
Livistona rotundifolia, Apr.	2.00 17.50
Livistona Chiuensis	1.00 7.50
Phoenix rupicola, March	1.00 7.50
Phoenix recinata, March	.50 3.00
Phoenix Canariensis, Mar.	.30 3.00
Pandanus utilis, Immediate	1.00 8.00

ASPARAGUS PLUMOSUS NANUS, true greenhouse grown seed, 100 sds. 60c.; 250 sds. \$1.20; 1000 sds. \$4.00; 5000 sds. \$18.00; 10,000 sds. \$35.00.

ASPARAGUS SPRENGERI, 250 sds. 25c.; 1000 sds. 75c.; 5000 sds. \$3.00.

DRACAENA INDIVISA (seeds), oz. 30c.; 1/4 lb. \$1.00.

Catalogues free.

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 342 West 14th Street, New York City

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 Tomato, "The Don," best for forcing. Cauliflower, First and Best. Onion, Ailsa Craig. Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spaw, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready. Free on application.

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SEED GROWERS, San Francisco, Cal.
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ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
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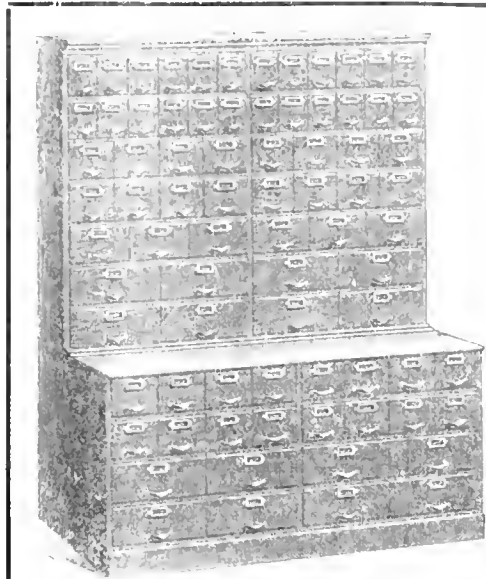
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 At Right Prices
VAUGHAN'S SEED STORE, 14 Barclay St., N. Y.

The American Carnation cc
 A.T. De la Mare Ptg. & Pub. Co., 2 Duane St., New York \$3.50

BIG 4 TOMATO
THE EARLIEST TOMATO KNOWN

Vines similar to the Dwarf Champion, standing well up from the ground; fruit purplish pink in color, will bear shipping equally as well as the Stone. Was a great favorite with the truckers in this section last season. Pkt., 10c.; 1/2 oz., 20c.; oz., 35c.; 1 lb., \$1.00.

A full line of Market Growers' Seed Specialties.
PLANTERS' SEED CO.
 SPRINGFIELD, MO.



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MICE-PROOF
SECTIONAL
SEED CASES
BOXES and BINS

Send for Cuts and Prices

HELLER & CO.
 MONTPELIER
 Ohio, U. S. A.

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INTRODUCED BY US GROWN EVERYWHERE

- Vick's Branching (8 colors)
- Vick's Snowdrift
- Vick's Royal Purple
- Vick's Lavender Gem
- Vick's Daybreak
- Vick's Purity
- Vick's Sunset
- Vick's Mikado
- Vick's Cardinal
- Vick's Violet King

SEND FOR OUR NEW Illustrated and Descriptive Aster Book for Florists

It describes in detail, not only the varieties originating with us but also all other leading sorts.

The largest and handsomest work of its kind ever issued.
EVERY FLORIST OUGHT TO HAVE
Vick's Wholesale Catalogue
 which gives prices on all the best varieties of flower and vegetable seed; plants for greenhouse and outdoors; splendid assortment of bulbs.

Both of these catalogues are free.
JAMES VICK'S SONS
ROCHESTER, N. Y.
 The Leading Specialists and Largest Growers of High-Grade Asters in the World.

ROGERS BROTHERS
 SPECIALTY GROWERS
PUREST STRAINS GARDEN PEA AND BEAN SEED
 FOR THE WHOLESALE TRADE
ALPENA MICH.
 -Established 1821-

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
 Importers and Growers of High Grade Seeds, Bulbs, Plants, Etc.
 37 EAST 19th ST., Near Broadway, Tel. 4235 Gramercy NEW YORK CITY

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CONTRACT SEED GROWERS
 Bean, Cucumber, Tomato, Pea, Muskmelon Squash, Watermelon, Radish, Sweet Corn
 Correspondence Solicited
 Write for Prices on Surplus Stocks for Immediate Shipment

FISKE SEED CO.
 Make a specialty of
ASTER SEED
 All the leading varieties.
 ALL FLORISTS' SEEDS for immediate planting
H. E. FISKE SEED CO.
 12 & 13 Faneuil Hall Square BOSTON, MASS

ROSES

per doz. Empress of China, 1.00
 per doz. C. C. Phipps, 1.00

PHLOX 200,000 Phlox,
 2000 Carolina and Lombardy Poplars

The ELIZABETH NURSERY CO.
 ELIZABETH, N. J.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
 George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

The bean crop of Illinois amounted in 1907 to 11,313 bushels, against 16,281 bushels in 1906.

GILROY, CAL. The California Seed Growers' Company, recently organized by Gilroy capitalists, will be under the management of Ah Him, who for the past thirty-two years has had charge of the field department of the C. C. Morse Company. H. M. Wolfe, the president, has one of the most productive orchards in the Santa Clara Valley. The company has purchased 85 acres of the Furlong place near Old Gilroy and rented the remainder of the ranch, comprising about 150 acres.

CLINTON, WIS.—The L. L. Olds Seed Company, whose establishment was destroyed by fire as recorded last week, has opened temporary headquarters in the Isham building on Main street to which the safe and office fixtures have been removed, as well as the records of the firm, which were saved from the flames. Among the merchandise destroyed were large quantities of field and garden seeds and 16,000 bushels of potatoes, the latter the firm's specialty. The loss, \$50,000, is partly covered by insurance.

STOCKS OF POTATOES. According to reports received from correspondents of the Bureau of Statistics during the latter part of February, about 20 per cent. of last year's potato crop, raised for market, remained in the hands of growers. Percentages of principal States are as follows: New England States, 43; New York, 31; Pennsylvania, 28; New Jersey, 13; Ohio, 25; Michigan, 29; Wisconsin, 31; Minnesota and Iowa, 28. The quantity of potatoes held in growers' hands is estimated at about 15 per cent. less than a year ago. The proportion of the potato crop raised for market held by dealers at interior points is estimated at about 7 per cent. The quantity of potatoes so held was about 15 per cent. less than the quantity so held at corresponding time last year.

IMPORTS OF SEEDS, ETC., March 10. — Hensel, Bruckmann & Lorbacher, two boxes seed; R. H. Ferry & Company, six bags flower seed; Vaughan's Seed Store, 31 cases trees; C. B. Richard & Company, seven cases trees; Livingston Seed Company, 17 cases trees; Vaughan's Seed Store, six cases plants; McHutchison & Company, 10 cases trees and shrubs; W. Elliott & Sons, five cases plants; R. E. Lang, 19 cases plants; Stump & Waller Company, one case plants; Kennedy & Moon, eight cases trees and shrubs; Kuyper & Shields, eight packages plants; Majo & Orlando, 60 packages plants; W. Elliott & Sons, 12 cases plants; E. cases trees and shrubs; McHutchison & Company, 158 packages plants; C. B. Richard & Company, 25 cases trees, shrubs, etc.; P. Onwerkerk, 71 cases trees; Hampton, Jr. & Company, two cases plants; Vaughan's Seed Store, one case flower roots, one case plants; E. B. Vandergrift & Company, 79 packages trees, etc.; G. W. Sheldon & Company, 120 packages seed; Maltus & Ware, 390 packages trees, etc.; March 11. — Hensel & Company, three cases plants, two cases bulbs; McHutchison & Company, seven cases plants; O. G. Hensel and Sons, seven packages seed, etc.; March 12. —

DREER'S HARDY PERENNIALS

Largest assortment of desirable varieties. Plants of proper size to give best immediate results.

For complete list of varieties see our current wholesale list.

Many planters not thoroughly familiar with this class of plants have an idea that nothing but a large, field-grown clump will give satisfactory returns for the season...

Table listing various plants such as Achillea, Aconitum, Anemone, and others with prices per dozen and per 100.

Table listing plants like Helianthus, Heuchera, and Hollyhocks with prices per dozen and per 100.

Table listing plants like Lythrum, Paeonias, and Phloxes with prices per dozen and per 100.



ANEMONE QUEEN CHARLOTTE

Table listing plants like Hollyhocks, Iris, and Lavendula with prices per dozen and per 100.

Table listing plants like Rudbeckia, Scabiosa, and Verbena with prices per dozen and per 100.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Penna.

ROOTED CUTTINGS section with details on Fuchsias, Petunia, and other plants.

VEGETABLE PLANTS section listing items like Tomato, Beets, Celery, and Cauliflower.

CLEARY'S HORTICULTURAL CO. section for Wholesale, Jobbing, Contracting, Auction, and Horticultural Products.

SEED SWEET POTATOES and VIOLETS section advertising various seed and plant varieties.

AZALEA AMOLNA

Large stock in this country at low prices. Write us for sizes and prices.

Roses 6000 Roses in variety No. 2 light each roots or budded at \$7.00 per 100. List of varieties on application.

THE ELIZABETH NURSERY CO
ELIZABETH, N. J.

Magnolia
Rhododendron
Azalea
Clematis
Peonies
Phlox

Nursery Stock for Florists' Trade

EVERYTHING WORTH PLANTING
Roses a Specialty All kinds of Fruit Trees
Ornamental Trees and Shrubs, Evergreens, Berries, Herbaceous Plants
W. & T. SMITH COMPANY
62 Years GENEVA, N. Y. 700 Acres

Boxwood
Privet
Barberry Thunbergii
Hydrangea Tree,
4-6 ft.
Spiræa Van Houttei
Koster's Blue Spruce

HARDY NEW ENGLAND GROWN NURSERY STOCK

WE GROW A GENERAL ASSORTMENT OF
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.
Prices Reasonable. Wholesale Trade List for the asking.
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Bloodgood Nurseries, Flushing, L. I. N. J. & L. I. Nurseries
Sales Department
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Box Plants, Azaleas, Rhododendrons, Roses, Herbaceous Perennials
In fact everything in hardy stock for
GARDEN, LAWN & LANDSCAPE PLANTING
General Catalog and Trade Lists on application
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Partners { U. J. Heerma Van Voss, Czn. | No connection with any other firm of
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Large stock of Ornamental Trees and Shrubs, Conifers, Evergreens, etc.
Sole American Agent: J. MEERKAMP VAN EMBDEN, JR., 213 Franklin Avenue,
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Catalogues free on application.

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Dropmore Variety, best novelty 1907, pure blue flowers, strong roots, \$3.00 per 10.
RUGOSA ROSE, F. C. Meyer, hardy, strong grower, large alvery pink flowers, superb variety, \$2.00 per 10.
BABY RAMBLER, M. N. Levavasseur, two year, field grown, selected, \$12.00 per 100.
H. P. ROSEN: F. K. Druschki, Mme. L. Crawford, Soleil d'Or, York and Lancaster, Clio, etc., in good assortment, \$10.00 per 100; double red and white Rugosus, strong plants, \$2.00 per 10.
CLEMATIS: Andre Henryl, Jackmanl, Ramona, field grown, two year, strong, \$14.00 per 100, Coccinea, \$16.00 per 100, Paniculata, \$8.00 per 100.
PEONIES: Couronne d'Or, Festiva Maxima, strong, \$25.00 per 100.
Large collection. Send for Spring Price List.

JOHN CHARLTON & SONS, University Avenue Nurseries, Rochester, N. Y.

Rhododendrons

Per 1000		Per 1000	
3 year seedlings from choice named varieties	10/-	4 to 8 inch, transplanted, Ponticum	30/-
3 year seedlings and one year transplanted, named varieties	25/-	6 to 9 inch, transplanted, Ponticum	45/-
6 to 10 inch seedlings, transplanted, named varieties	80/-	9 to 12 inch, transplanted, Ponticum	75/-
12 to 15 inch seedlings, transplanted, named varieties	140/-	12 to 18 inch, transplanted, Ponticum	120/-
4 year seedlings, Ponticum, fine	6/-	Stocks for Grafting, 75/- per 1000.	
3 to 6 inch, transplanted, Ponticum	25/-	For samples, etc., apply to	

HENRY FARNSWORTH, Moor Nursery, Mallock Bank, Derbyshire, England

Grafted Roses For Forcing

Bride, Bridesmaid, Kaiserin, Killarney, Richmond, Wellesley
\$12.00 per 100, \$100.00 per 1000

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NEWARK, WAYNE COUNTY, NEW YORK

PLANT CULTURE PRICE \$1.00

THE BEST BOOK FOR THE PLANT CROWER.
A. T. DE LA MARE PTG. & PUB. CO. LTD., 2-3 DUANE STREET, NEW YORK

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Specimen Evergreens

SUITABLE FOR TUBS AND VASES
Hemlock, White Pine, Retinisporas, A. Vitae, etc.
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300,000 CALIFORNIA PRIVET

1 year old, 18-24 in., 2-4 branches, \$15.00 per 1000; \$145.00 per 10,000; \$640.00 per 50,000.
2 year old, 2-3 ft., 6-8-10 branches, \$35.00 per 1000.
6 year old, standards, 5-6 ft. high, heads 2 1/2-3 1/2 ft. in diameter, \$75.00 per 100.
6 year old, standards, 4-5 ft. high, heads 2-2 1/2 ft. in diameter, \$50.00 per 100.
2 year old, standards, 4-5 ft. high, heads 18-24 in. in diameter, \$40.00 per 100.
6 year old, standard pyramids, 4-5 ft. high, 3-4 ft. in diameter, \$75.00 per 100.
6 year old, 2-4 ft. high, 2 1/2-3 ft. in diameter, \$50.00 per 100.
2 year old, 2 1/2-3 ft. high, 18-24 in. in diameter, \$40.00 per 100.
ELMS, American, straight and fine heads, 11-12 ft. high, 1 1/2-2 in. caliper, \$40.00 per 100.
ELMS, American, straight and fine heads, 9-11 ft. high, 1 1/4-1 1/2 in. caliper, \$30.00 per 100.
ELMS, American, straight and fine heads, 9-11 ft. high, 1 1/4-1 1/2 in. caliper, \$25.00 per 100.
EUROPEAN LINDENS, 12-15 ft. high, 2-3 in. caliper, \$60.00 per 100.
ALTHAEA, double, white with maroon center, 5-6 ft. high, \$15.00 per 100.
ALTHAEA, double, white with maroon center, 4-5 ft. high, \$12.00 per 100.
ALTHAEA, double, white with maroon center, 3-4 ft. high, \$10.00 per 100.
SPIRAEA BILLARDI, 3-4 ft. high, \$8.00 per 100.
FORSYTHIA VIRIDISSIMA, 3-4 ft. high, \$10.00 per 100.
LILAC, Rubra, Dr. Marley, 3-4 ft. high, \$10.00 per 100.
DEUTZIA CRENATA, 4-5 ft. high, \$10.00 per 100.
DEUTZIA GRACILIS, 4 year old plants \$8.00 per 100.
YUCCA FILAMENTOSA, blooming plants, \$35.00 per 100.

I will have a large assortment of bedding plants for Spring out of twenty-five greenhouses, such as Roses, Geraniums, Heliotropes, Coleus, Salvia Bonfire (the best bedding plant of all) Lantanas, Verbenas, Begonias, Vinca Rosea, Alternantheras, red, yellow and pink, and all kinds of vase and hanging basket plants.
Send me your wants and I will give you price.

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Greenhouses: E. State St. Nursery: Hamilton Av.

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216 Jane Street
WEEHAWKEN HEIGHTS, N. J.
P. O. No. 1, Hoboken, N. J.

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Rhododendrons, Azaleas, Spiræa Japonica, Liliun Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis and H. P. Roses in the best sorts.
PRICES MODERATE

SURPLUS STOCK FOR SPRING, 1908

Cal. Privet, 2-3 feet, 2 years old.
Cal. Privet, 3-5 feet, 3 and 4 years old X.
Norway Maples, 12-14 feet, 2-3 inches diameter.
Norway Maples, 14-16 feet, 2 1/2 inches diameter.
Car. Poplars, 10-12 feet, 1 1/2 inches diameter.
Dwarf Box, 3-5 inches.
Write for prices.
The Morris Nursery Co. N. Y. City
SALES OFFICE, 1 MADISON AVE.

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EARLY GIANT ARGENTEUIL
Genuine Imported French Seed grown for me on contract in France.
75c. per lb.; 5 lb. lots at 60c.; 25 lbs. and over at 50c. lb.
Also all other Standard Sorts.
EARLY FRENCH GIANT, DONALD'S ELMIRA, BARR'S MAMMOTH, PALMETTO, COLOSSAL.
Get my Prices in quantity lots.

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A complete line of Nursery Stock.
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Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies
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Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO., Morrisville, Pa.

AZALEA INDICA, 10-15-20-25 in. across, \$12.00, \$20.00, \$50.00, \$100.00 per 100.
RHODODENDRON HYBRIDS, well budded, 2 ft. x 2 ft., \$30.00 per 100; 3 ft. x 3 ft., \$50.00 per 100.
BAY TREES, standard, 21-27-31 in. across, \$2.00, \$3.50, \$4.50 per pair. Pyramids equally cheap.
Also Arabarias, Aspidistras, Kentias, Dracaenas, etc. Prices on application.
J. WAELEKENS, SAFFELAERE, BELGIUM near GHENT.

The book of WATER GARDENING
By Peter Bleoff. Price, postpaid, \$2.50
A. T. DE LA MARE PTG. & PUB. CO., LTD.
2 to 3 Duane Street, New York.

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NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

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J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

An Evergreen Hedge Plant.

Kindly inform me through your valuable paper which is the best hedge to plant, that will keep green all Winter, also bushy from ground to top, as it is wanted to act as a screen.

New Jersey.

—There are many coniferous evergreens that are used for hedging, the Arbor vitae, Norway spruce, hemlock, etc., but we presume you are thinking of other evergreens. As you are near the sea coast at Island Heights you would find the *Euonymus japonicus* a good subject for your purpose perhaps the best of all—as it stands the sea air well, and needs comparatively little pruning when started with bushy plants. There are two privets you could use—the *Ligustrum japonicum* and *L. ovalifolium*. *L. japonicum* is a true evergreen, but the trouble is to find any nurseryman having a stock of it. *L. ovalifolium* is the common Californian privet. It is quite evergreen where severe frosts do not reach it; and your ocean air prevents freezings doing the damage they do farther inland.

The red cedar of New Jersey makes a good hedge when young, well-formed plants are used.

JOSEPH MEEHAN.

The Green and the White Ash.

Referring to some notes on the green and the white ash which appeared in *The Florists' Exchange* some time ago, Professor A. T. Erwin of Ames, Ia., writes in the *Iowa State Register* and says among other things:

"Concerning the comparative value of the white and green ash for this State the propagator who makes the mistake of selling the green for the white is doing his customers a kindness rather than harm. For the general planting here the green ash is much superior to the white. It is the hardier of the two and will succeed in more trying situations. In fact the green ash has but few equals in this regard.

"The distinction between the two species is clearly recognized by most of the propagators in this State, I think. In fact, many of them handle only the green form and sell it under that name."

As an avenue tree, for which purpose the ash is sometimes used, the green one is preferred, because it makes a less large tree than the white. Its drawback is the early shedding of its leaves. As a single specimen on a lawn the white ash is far superior; and for timber purposes the white alone is the one all planters ask for, and more than one seedsman here get into trouble furnishing the so-called white ash seed of Iowa which proves to be but the green. The "propagators" there may know the difference between the two kinds; the collectors did not up to a few years ago, but they may now.

Japanese Maples in Pots.

To those who have suburban homes the beauties of the Japanese maples are well known, but to the city dweller, unfamiliar with the lovely shrubs and trees to be seen on many lawns, the first sight of the Japanese maples, especially the blood-leaved one, is a revelation indeed. To such parties the florist and the nurseryman find a good sale for these maples grown in pots. The blood-leaved is the favorite, next to it the cut-leaved, blood-leaved one, hence these are the two of which the largest number should be potted, with lesser numbers of other admired kinds.

These maples show to the best advantage when grown a full season in advance of selling, for the reason that, as many know, the colors of the leaves are always stronger on an established plant than on one that has been recently disturbed at the root.

This is the proper time to pot them. Should the plants be in the ground they should be dug up as soon as the Winter is over, for these maples push into leaf quickly, and when in leaf, though they will live, with good care, there is the loss of a season's growth because of the check.

These maples do not make many fibrous roots, hence a few of what they have may be lost in digging, calling for a pruning of the plants when potting them. This, too, encourages fresh shoots, which gives more foliage, and, of course, greater display of whatever color it may be.

A word regarding color may be helpful to some. In the case of all blood-leaved plants the best colors come when the leaves get the full sun. There will be disappointment if the plants are grown in the shade; and do not fail to let a customer understand that a freshly potted or freshly planted blood-leaved shrub will not have as dark a color as it will after growing a year without any root disturbance.

Planting Evergreen Hedges.

Old-time writers gave the advice, almost without exception, to set out evergreen hedges when the new growth begins to show, and many of those of the present day follow with the same instruction. It has always seemed to the writer to be a case of one following the writing of another rather than supplying something experience had taught them. It suggests whether the nurseryman did not start the idea in the first place, to give him a chance of getting off his deciduous trees first, because many of them push into growth quickly.

Many shrubs and trees are in leaf nearly as soon as the frost leaves the ground, and these must be planted early. But experience shows that evergreens may be planted to advantage as soon as Winter is over, and that there is no necessity to wait until their growth starts. In fact, early planting is to be preferred, for the reason that the ground settles well about them and the plants are in fit condition to start into growth as soon as moist, warm weather comes, which is not the case with a late planted lot.

Evergreens usually have a mass of fibrous roots unless it be pines, which make but few, and this necessitates great care in getting the soil in close contact with the roots. Nothing accomplishes this contact so firmly as the use of sand for the first filling in about the roots. It permeates all small crevices at once; in addition to this it is better than soil for drawing forth fibrous roots; and in all transplantings the use of sand in this way cannot be too highly recommended.

they rarely, if ever, make a mass of fibrous roots, and at that time to have the taproot cut out.

Chinese Cork Tree.

The *Phellodendron amurense*, called the Chinese cork tree, but the one common in collection under the name is in no sense a corky tree. There is one known as Dr. Regel's variety, which is a true corkyarked tree, and which is, besides, well shaped, and one, too, that is famed for its golden yellow Autumn leaves. As the common one seeds freely and the seeds grow readily, while the corky ones in cultivation do not seed, the propagation of the latter has to be by budding on the common one, *amurense*. The corkyarked one is such a handsome tree that if better known it would be seen in all collections of trees.

The best method of grafting is to graft low down on the common stock, because as the corky trunk would be considered a great attraction as the tree got height and age, the corky one should commence its growth from near the ground.

It is optional whether to take the seedlings for stocks indoors in the Autumn, grafting them in Winter, or to graft them outside in Spring. Budding can be done in Midsummer, while the sap is still flowing.

Halesia Diptera.

Halesias are well named snowdrop trees, so closely do their flowers resemble those of the humble snowdrop of our gardens.



Halesia Diptera

There are two *halesias* native of our Southern States—*H. tetraptera* and *H. diptera*. Because of the latter named one growing farther south than the former it is known as the Southern snowdrop tree, although, as said, both are from the South. *H. tetraptera* grows from Virginia, south; *H. diptera* from Carolina to Florida. *Tetraptera* is the hardier of the two, but both are hardy at Philadelphia. That the most southern one, the one of our sketch—*H. diptera* is quite hardy here the accompanying illustration will prove, as the photograph from which the picture was made is of a thrifty young tree on the grounds of John T. Morris just outside of Philadelphia, in Montgomery County.

This species is distinguished from the more common one, *H. tetraptera*, in its bushier growth, its larger leaves and in its flowering later—a week or two. As the flowers of these snowdrop trees are greatly admired, it is a treat to have a continuance of their bloom when *H. diptera* follows the other.

Both *halesias* make trees, although, as in the case of magnolias, they are grown also as shrubs. There are trees of *H. tetraptera* in Philadelphia—30 feet high, and of *H. diptera*, the one our notes particularly refer to the late Professor Buckley mentioned a specimen in North Carolina the trunk of which measured 17 feet in circumference. While of a habit of growth more pleasing than *H. tetraptera*, our observation of its flowering leads us to prefer *tetraptera* in this respect; still, as said, the *diptera* coming into bloom after the other has passed, is greatly in its favor.

JOSEPH MEEHAN.

Getting Fibrous Roots to Walnuts and Hickories.

A writer in the *National Nurseryman* calls attention to his plan of placing wire mesh in the bottom of the row where he sets his pecan nuts, claiming that this insures fibrous roots, as when a root reaches the wire, it causes a rootlet to branch out, just as is often the case when a root strikes a stone. Just how the wire mesh is disentangled is not stated, but in the case of young trees with but slim roots it would not be a difficult task.

Many years ago, when the late A. S. Fuller wrote on horticultural subjects, he mentioned that hickories, walnuts and like nuts produced seedlings with fibrous roots when sown in poor and stony ground, rather than in rich, deep soil, and it is quite reasonable to suppose that this would be the case. It is a great deal in the favor of such seedlings to have them with fibrous roots, for all nurserymen know how very difficult it is to have the seedlings live when they have but a long tap root; and something in the way of the wire mesh spoken of would be well to use. When the seedlings have but a tap root

THE SCOTCH THISTLE.—Though the Scotch thistle is by no means a novelty when seen growing in fields and waste places, or such other natural habitat as it might prefer, it may be regarded as a novelty when seen in a nurseryman's catalogue, says the *Gardening World*, London. Seeds are being offered by a Scotch seed house. The flowers are described as purplish and handsome, a description with which everyone from the "land of brown heath and shaggy wood" will agree. It is stated to grow 5 feet high, but the height is largely determined by the situation in which it is growing. In an open, fully exposed field of very good firm land it may form a very robust bush while only 2 feet or 2½ feet in height. It is, nevertheless, a handsome plant, and it would be worth while giving it garden cultivation with the object of producing specimens of the finest stature and robustness. Surely, it is as deserving of this treatment as the exotic known as the cotton thistle (*Compositula thymifolia*), and sometimes, though erroneously, named Scotch thistle. The Scotch thistle, as mentioned by Burns is *Cirsium lanceolatum*, or *Cirsium flaberratum*, though by any other name it would look as well.

Seed Trade Report—Continued

European Notes.

The wintry conditions noted last week are gradually passing away, although in many parts of the country snow to a depth of twelve inches remains to protect the young seedlings from injury from frost. Plants of biennials liable to injury from the same cause are now in such a small compass that they cease to interest us.

Of cabbages only the late hardy varieties are left standing, and these are the least in demand; early varieties of the Allhead and Early Summer type, when they do stand with us, usually pay the grower for his labor, but they are too delicate to stand unprotected a Winter like the present.

Onion is the most interesting subject to the seed grower just now. The brisk demand for the giant yellow globe-shaped varieties continues and every ounce of seed will be cleared out before the sowing season is ended. The high prices asked for the seed are cheerfully paid, showing that a good article will always realize its full honest value if there be a demand. The slump in the flat yellow varieties persists, and a very big surplus of seed grown in western France will be carried over. The greatest caution will be necessary in buying seed of these varieties next year, as very little of the 1907 crop grows now more than 65 per cent. This means a 40 per cent. germination in the Spring of 1909.

This is the time when the larger purchases of the white Lisbon Winter onion are usually made, and buyers are somewhat astonished to find that the growers refuse to sell except at an advance of nearly 100 per cent. on the prices demanded in October last. The floods which prevailed in Provence, where the bulk of this seed is grown, for fully three months at the close of last year, have so seriously damaged the young plants that a total failure of crop seems to be inevitable. As the price kept on falling merchants refrained from making their purchases when growers were eager to sell and the growers will now be able to make a little profit, which they sorely need.

As the market gardeners in northern Europe sow about 60 pounds of seed per acre the doubling up of the price has a very serious aspect for them. The writer has heard that seed of this variety was sent to your side some years ago for White Portugal; it would not pay to repeat the experiment just now.

Quite an extensive trade is now doing in an intermediate parsnip known as the Offenham variety. It is much shorter and has a smaller core than the Jersey half-long; the flesh is thick, solid and sweet; its keeping qualities are of the best, and for cultivation on shallow soils it will easily supplant the Jersey and the coarse round turnip-shaped varieties.

A. W. Sutton, V. M. H., delivered a most important lecture on solanums before the Royal Horticultural Society, and a full report of the same appears in the current issue of the *Gardeners' Chronicle*. Those who are interested in potato culture will do well to consult the article in question; it is the most valuable contribution to the literature of the noble tuber which has ever appeared. Some of the new hybrid forms raised by the firm of Sutton & Sons will eventually find their way into commerce; the same is true of their valuable brassica crosses which have been before referred to.

In spite of the almost sunless weather during the past 15 days our primulas are setting their seed in excellent style. A visit to the principal growers reveals the fact that the Duchess type has failed to catch on and that the so-called blues are growing in popularity every year. The best dark variety is undoubtedly The Czar, while a pale blue form of the alba magnifica is the best light colored variety yet raised.

Cannell & Son are working on the P. stellata with splendid results.

EUROPEAN SEEDS.

NOTES FROM HOLLAND.—Now that the bulb beds have all been uncovered or at least their Winter covering has been thinned, the influence of last year's cold Summer and the very cold month of January shows itself by the very backward rate of growth of all sorts of bulbs. Only some of the earliest tulips are showing any growth above the ground and of the hyacinths very little is to be seen yet with the exception of those that have

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COMES OUT

NEXT SATURDAY

March 28

To be in time for that issue advertisements should reach us not later than Wednesday noon, March 25

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Box 1697, New York

been planted very early last season. However, this state of affairs is likely to prove more of an advantage than otherwise, as just this too early appearance of the first leaves causes in most seasons so much damage by their being caught in their weak state by the Spring frosts that are sure to come every season, and if only warm weather does prevail during April and May this will in every respect make up for the tardiness. Crocus are only just showing color and will not be in bloom until the middle of March; and from the present outlook even the narcissus are likely to be much later in bloom than usual.

Spring shipments are now in full swing and likely to clear all stocks on hand. Seedsmen are now at their busiest and are only handicapped by the unusual scarcity of many of the leading vegetable seeds.—Correspondent Horticultural Trade Journal, England.

AN ENGLISH VIEW OF RENAMING VARIETIES.—There has been a bit of a stir-up in America over the renaming of seed novelties, and I understand that the American Seed Trade Association will endeavor to make seedsmen see the error of their ways. Of course it is well known that the renaming trick is rife in this country, as well as on the Continent; in fact, a great deal more so than in America. Personally, I do not consider it creditable for one firm to seize upon another firm's speciality, and give it a new name. A great many so-called novelties, especially in the vegetable line, are but old sorts under new names. Of course, there are always a few small firms, with no reputation to speak of, ready to affix their name to anything worth handling; but I venture to say that more than one or two of the best firms are none too careful. Sometimes, of course, a firm will unknowingly rename a new break found among their own stocks, a break which may be identical to one sent out years before. Deliberate renaming is, however, quite a different thing; but at the same time I must confess that I see no antidote for it, other than the wholesome respect of one firm for another. An inventor is able to protect himself by patenting the result of his labors, but with plants and seeds the thing is impossible. The patent medicine man can register the name of his article, but that does not prevent another man analyzing the article, preparing a similar one, and giving it a new name. In the same way a seedsmen may register the name of his novelty, but it would give him no protection whatever. Horticultural Advertiser, Eng.

Blue Sweet Peas.

Editor Florists' Exchange:

In a review of Curtis's Book on Sweet Peas which appeared in the *Gardeners' Chronicle* of February 15, 1908, the reviewer said: "In the second edition * * * one or two inaccuracies call for correction. Blue sweet peas were in existence in 1838, and much earlier, though Mrs. Loudon noted them in that year." I therefore wrote the editor for further information on the subject, to which he courteously replied as follows: "The following passage occurs on page 130 of *The Ladies' Flower Garden of Ornamental Annuals*, published (by Mrs. Loudon, S. B. D.) in 1840. The blue, which has the wing and keel of a pale blue, and the standard of dark bluish purple."

Your readers will at once recognize this as identical with Commelin's description of the original variety sent to him by Cupani about 1699, as set out in my *History of Sweet Peas*, which appeared in *The Florists' Exchange* for 1898.

While on the subject of sweet peas I am pleased to report an addition of 140 members to the National Sweet Pea Society. The suggestion of a dollar membership for the United States and Canada which emanated from our worthy president, W. Cuthbertson, has been adopted by the executive committee and still further extended to include the whole of the civilized world. The fee will be \$1 for America and Canada, six shillings for other British colonies; four marks for Germany, five francs for France and five lire for Italy, and will entitle the member to all the privileges of the home subscribers.

I trust, Mr. Editor, you will give us the benefit of your powerful aid.

Although the older varieties are excluded, the trials now being conducted at Reading will be more numerous than last year. The floral committee will have a heavy task. The leading specialists in America will be well represented.

The trials of the Christmas-flowering varieties which are growing at Reading have not been a great success owing to unfavorable conditions prevailing in that town since November last. Burpee's Earliest White and Earliest of All were the only varieties to show bloom in December. Both the Teleny and Zvolanek strains will not be in bloom until the end of the present month, although buds have appeared on them for some weeks past.

Volume XXXIII of the *Journal of the Royal Horticultural Society* just

ROOTED CUTTINGS Prepaid per 100. *Heliotrope*, blue; *German Ivy*, 75c. *Alaternanthera*, best red and yellow, also *Paronychioides Major*, 5c. \$4.50 per 1000. *Fuchsia*, five finest kinds, \$1.00, \$3.00 per 1000. *Double Alyssum*, 85c. *Ageratum*, (Gurney and Pauline, *Colona*, best bedders, *Verbena*, four colors, 8c. *Salvia*, *Bonfire* and *Splendens*, 85c. *Verbena* Seedlings Mammoth Mixed, 35c. per 100, \$3.00 per 1000. *Forget-Me-Not*, blue, strong, wintered over plants, \$2.00 per 1000. *Sweet Williams*, double and single, wintered over, \$2.00 per 1000. *Callardia grandifl.*, nice stock wintered over, \$3.50 per 1000. Cash.

Shippensburg Floral Co., Shippensburg, Pa.

issued contains a report of a trial of sweet peas made at the Wisley Gardens. The only varieties to which awards were made were:

Albatross (Dobbie) * * * white; standard erect, bold, unwaxed, wings spreading. Flowers four on a stem. Chiefly recommended for its free-flowering qualities.

Brilliant Blue (Sydenham & Burpee) syn. Lord Nelson * * * Deep blue; standards erect, flat, rather small, with purplish tint. Flower four to a stem. Burns; the best dark blue variety.

S. B. Deeks, F. R. H. S.

CATALOGUES RECEIVED.

PERRY'S HARRY PLANT FARM, Enfield, Middlesex, England.—Supplementary List of Perennials, also New and Rare Plants. Illustrated.

S. G. HARRIS, Tarrytown, N. Y.—Illustrated Descriptive Catalogue of Roses, Bulbs, Plants, Shrubs and Trees. Also Supplement and Price List.

THE BATCHELOR SEED STORE, Utica, N. Y.—Illustrated Catalogue of Flower and Garden Seeds, Plants, Poultry Supplies, Implements, Etc. A neatly printed and attractive catalogue.

WINTERSON'S SEED STORE, Chicago.—Illustrated Catalogue of Vegetable and Flower Seeds, Bulbs, Tuberos Roots, Hardy Flowering and Ornamental Shrubs, Hardy Herbaceous Perennial Plants, Vines, Small Fruits, Roses, etc.

CHARLES F. SAUL, Syracuse, N. Y.—Wholesale Price List of Garden, Field, and Flower Seeds, Poultry Supplies, Tools and Implements; also General Catalogue of Seeds, Wagons, Carriages, Implements and Poultry Supplies. Both are well printed and profusely illustrated.

IOWA SEED COMPANY, Des Moines, Ia.—Condensed Catalogue of Vegetable, Fruit and Flower Seeds, Plants, Shrubs, Small Fruits, Supplies, etc. On February 17, 1908, this firm reports having received 1162 letters and postals, and is receiving 4000 and upward every day.

March 21, 1908

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CALIFORNIA PRIVET, 12 to 2 ft., transplanted, \$2.00 per 100, \$18.00 per 1000; CALIFORNIA PRIVET, 15 to 18 in., transplanted, \$1.50 per 100, \$14.00 per 1000; CALIFORNIA PRIVET, 12 to 15 in., transplanted, \$1.25 per 100, \$11.00 per 1000; CATALPA SPECIOSA SEED, true, fresh, 75c. per lb., 100 lbs., \$65.00.

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18 to 21 in., 12 to 18 in., all well branched and good roots, 10,000 Vinca Minor (Grove Myrtle), 5000 Red Oak, 2 to 5 ft. Norway Spruce, 12 to 18 in.

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Black Warrior	3.00	Museofolia, new	1.50
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Fine stock, all good, 2 and 3 eye. 10,000 mixed Cannas, all green-leaved varieties, \$15.00 per 1000.

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Plant Notes.

VINCAS. There have been but few seasons within memory when one or more kinds of bedding plants were not in overproduction, but I have yet failed to perceive a surplus of well grown variegated vincas at the end of the bedding out season. Large plants with long trailing shoots, growing out of 4-inch pots, are largely picked up at good prices wherever hands can be laid on them. Cuttings of vincas put in now, or even a little later, potted up when rooted, and when established in their pots planted in good rich soil in an open frame or sheltered part of a field when the weather is warm enough, will make splendid plants by Fall. Those plants taken up on approach of cold weather and potted will, in Spring, be in such condition as to excite the envy of those who have use for such stock.

CROTONS. Young crotons propagated from cuttings during the Winter months will make very nice specimen plants in 5 or 6-inch pots by early Fall if they are looked after carefully. When the small plants are in an enclosed case the limitation of space invariably compels the grower to place the plants rather closer to each other than he otherwise would, although for the short time they are usually allowed to remain there no great damage results. When the plants are placed on benches in the open houses it will be well to allow them as much room as is consistent with safe and practical economy. A frequent moving and turning around of the plants is very beneficial in keeping them uniformly furnished, as well as helpful in keeping the surroundings sweet and free of injurious substances that come into existence very quickly under cover.

Specimen crotons from tops of large plants are easily obtainable and in a comparatively short time, but I doubt very much if the attempt to grow a large number of specimen plants by that method is likely to be more advantageous than the somewhat more lengthy process of growing from cuttings when everything in connection with both methods of procedure from beginning to end is considered. It is no doubt true that in rooted tops we may have plants fully as large when rooted and established in pots as would be possible from small cuttings in much less than a year, but counter to that, when conditions are favorable and facilities for propagation are right, five plants can be produced from cuttings and grown on for some time for every one possible by the other method. Notwithstanding this it may be good practice to top plants when some good specimens can in a short time be had in that way, and then use up all the cuttings that the old plants will later produce for thrifty quick growing plants by propagation in sand.

CYPERUS ALTERNIFOLIUS (umbrella plant) is an easily grown and useful subject for florists. Fairly large specimens are not at all difficult to get rid of at profitable prices. Small plants are very often found serviceable in filling pans in conjunction with other plants of more procumbent habit. Cyperus is readily propagated from cuttings made of the tops taken with about an inch of stem and inserted in sand in the propagating bench. When rooted and growth commences the young plants should be put in very small pots and if the work for which they are destined necessitates the roots being in small compass there will be no difficulty in keeping them within bounds for an indefinite period.

REX BEGONIAS. Among the very satisfactory plants for retail florists are rex begonias; small, medium, and large plants are sure to be of some use. When kept growing on and given generous treatment very handsome specimens are easily obtained.

CACTI. Many florists and others would surely grow cacti who have not heretofore done so if they would but take a moment to think how little the trouble or labor would be in producing quite a large and intensely interesting collection of these unique if not always useful plants from seed. Cacti are by no means devoid of attributes of satisfactory service to retail florists. Many of them that can be easily grown from seed offered by reliable dealers would be found very useful for window decoration, and many more could be used to advantage in outdoor planting in Summer when the desire is expressed for effects not easily produced with plants common-

GRAFTED ROSES

\$10.00 per 100; \$100 per 1000. If you can furnish the scions we can quote you lower prices in any quantity you wish.

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LAWSON	Per 100	Per 1000	VICTORY	Per 100	Per 1000
WINSOR	\$1.50	\$15.00	BEACON	\$3.00	\$30.00
ENCHANTRESS	6.00	60.00	HARRY FENN	6.00	60.00
LADY BOUNTIFUL	2.00	20.00	ELDORADO	1.50	15.00
NAVOR	2.50	25.00	MRS. PATTEN	2.50	25.00

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ROSES FINE HEALTHY BENCH PLANTS

American Beauty } 8.00 per 100
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Rambler Rose "Newport Fairy"

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Roses from 2 1/2 inch pots, clean healthy stock, \$2.50 per 100, \$22.50 per 1000, Cath. Mermel, D. de Brabant, Ivory, Snowflake, \$3.00 per 100, \$25.00 per 1000, Agrippina, Baby Rambler, Don Silence, Bridesmaid, Burbank, Cl. C. Souper, C. Souper, Sprout de Lyon, Golden Gate, Isabella Sprout, Mme. Abel Chateaux, Mme. F. Kruger, Marie Guillot, Marie Van Houtte, R. M. Henriette, Safrano, Solfataire, The Bride, \$3.00 per 100, \$27.50 per 1000, Antoine Rivou, Bessie Brown, Cl. Meteor, Etoile de Lyon, Gruss an Tepitz, Helen Gould, Hermosa, La France, Mme. de Watteville, Mme. Welche, Maman Cochet, M. Nell, Mrs. B. R. Cant, Mrs. Degraw, Papa Gontier, Souv. de P. Notting, Striped La France, White Bougere, White Cochet, Yellow Cochet, Meteor, \$3.50 per 100, \$30.00 per 1000, Gainesboro, Kaiserin, Mrs. Robt. Garrett, Rosalind Orr English, Pres. Carnot, Wellesley, \$5.00 per 100, \$40.00 per 1000, Angello Peluffo, Cherry Ripe, Helen Guillot, Mme. Leon Pain, Mme. Jenny Guillemot, Joseph Hill, R. M. d'Italia.

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Vinea var., strong and prime, R. C., \$1.00 per 100; \$9.00 per 1000; 2 1/2-in., \$2.50 per 100; \$22.50 per 1000; 3-in., \$4.00 per 100; 4-in., \$6.00 per 100.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO

ly grown. No one who has ever raised cacti from seed has had cause to regret having done so.

SINGLE CHRYSANTHEMUMS are hard to beat as subjects available for furnishing material for floral decoration while they are in bloom. The beautiful flowers of these plants are of such a pleasing character that growers who have been fortunate in having them in large quantities last year would not on any account be without them any more. No time should be lost in getting up a stock of these plants for cut flower purposes.

CENTAUREAS. When quick growing, light or variegated foliage plants are needed for outdoor work Centaureas candidissima and gymnocarpa will be found satisfactory in most cases. Seed of these sown now will produce good plants fit for planting out in May. D. M.

2-year-Old Everblooming Roses
OWN ROOTS

These are strong, well branched plants. They have been potted for some time and are well equipped with roots. Packing can be done very light and they will carry safely to any part of the country.

\$1 per doz.; \$8 per 100; \$75 per 1000.	Hermosa
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Clothilde Souper	Papa Gontier
Marie Van Houtte	Queen's Scarlet
Etoile de Lyon	Meteor
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Snowflake	Strip'd Henriette
Climbing Meteor	Safrano
Bessie Brown	White La France
Isabella Sprout	Pres. Carnot
Coq. de Lyon	Etoile de France
Perle des Jardins	Sourire
Yellow Cochet	

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100 varieties; 2 1/2-inch pots.
WHITMAN FERN, pot grown, 6 to 8 fronds, \$1.25 per doz., \$10.00 per 100; 2 1/2-in. pots, \$4.00 per 100.

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Mrs. John Laing	Mme. G. Bruant
Paul Neyron	Wichuriana (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request.

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Nurserymen—Horticulturists
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Two great gold medal cannas, King Humbert, 8c.; Wm. Kasting, 5c.; Brandywine, most magnificent bronze-leaved bedder, 3c.; Egandale, 2 1/2c.; Crimson Bedder, a superb canna, 2c. Fine dormant roots. Cash.

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The genus centaurea is generally well known to all florists and gardeners through its containing several very useful and much employed members, both for decorative and flowering purposes.

But this genus is also noted as containing several very interesting herbaceous perennials, some of them flowering from early summer to late fall.

Among those found in many collections C. montana, or mountain blue, and its varieties are the most showy and useful and best adapted for cut flower purposes.

The coarsest and rankest growing member of this family is C. macrocephala (large-headed), the great golden knapweed, a native of the Caucasus.

Centaurea babylonica and C. glastifolia are two useful showy yellow free flowering kinds that give an abundance of blooms from July to September.

A close second to this variety, but a much stronger and rather coarser plant, is C. rubra, a native of Russia.

GRAFTED ROSES NOVELTIES

MRS. JARDINE, RHEA REID, QUEEN BEATRICE. The above, \$5.00 per doz., 50 plants for \$18.00, \$3.50 per 100.

STANDARD VARIETIES

Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchante, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Horncos, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesley, White Cochet.

GRAFTED, 2 1/2 inch pots, 20c. each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1000.

AMERICAN BEAUTY

Own root, 2 1/2 inch pots \$8.00 per 100, \$75.00 per 1000. 3 inch pots \$12.00 per 100, \$100.00 per 1000. April, May and June delivery.

OWN ROOT ROSES

From 2 1/2 inch pots, reported from 2-inch Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chatenay, Aurora, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000.

From 2 inch pots ready for shipment, \$3.50 per 100, \$30.00 per 1000.

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Winsor 100 1000 \$6.00 \$50.00
Rose Pink Enchantress 3.50 30.00
Enchantress 2.50 20.00
Queen Louise 2.50 20.00
From 2 1/2 inch pots, add \$1.00 per 100, \$80.00 per 1000.

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AGERATUM, Stella Gurney, Princess Pauline. SALVIA splendens, S. Bonfire.

Rooted cuttings 75c. per 100, \$6.00 per 1000. ALTERNANTHERA, Red and Yellow. Rooted Cuttings, 50c. per 100, \$5.00 per 1000.

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Arrived much earlier this season than usual and are in prime condition. If these are potted up at once many will produce crowns suitable for this Spring's sales.

We offer stems of all sizes weighing from 2 to 50 pounds each, at the following prices.

In lots of 100 pounds or under at 9c. per lb.

In lots of 250 pounds or over at 8c. per lb.

In lots of 500 pounds or over at 7c. per lb.

Send orders at once and secure some of this fine stock.

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There are several other very useful members of this family, all of which have their own distinctive characters. C. hirta nigra variegata is a low growing form of merit with beautifully variegated yellow foliage.

All of these are perfectly hardy and all except the variegated leaved forms may be propagated from seeds or by division. Seeds may be sown in August or early Spring, and being somewhat large and free in germinating require no special skill in their manipulation.

COLEUS

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 60c. per 100, \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

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From flats, \$10.00 per 1000.

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From 2 1/2 in. pots, \$1.00 per doz.

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WHITE—Early: George S. Kalk, Polly Rose, Early Snow, October Frost, Mid-Season: Clementine Tonsel, White Shaw, Mrs. H. Robinson, Beatrice May, Morza, Niveus, Queen, Abbe Byron, Eureka, Miss Minnie Wamanager, Adela. Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.

PINK—Early: Glory of the Pacific, Rosiere, Mid-Season: J. K. Shaw, Adela, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton C. Plant, Late: Maud Deane The Harriott, Mayor Weaver, Mrs. James Marshall.

YELLOW—Early: Monrovia Mid-Season: G. Pfeifer, Col. D. Appleton Late: Major Bonafant, Golden Wedding, H. W. Reiman, Yellow Eaton.

RED—Callington, Merstham Red, Matchless. BRONZE YELLOW—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Lula (White), Brobas (Pink). From 2 1/2 inch pots, 5c. each, 50c. per dozen, \$2.00 per 100, \$25.00 per 1000. Rooted cuttings, \$2.00 per 100, \$15.00 per 1000.

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LOUISIANA, beautiful dark red, orchid-flowering, strong roots, with 2 and 3 eyes, \$6.00 per 100; 200 for \$10.00.

20,000 DWARF BOXWOOD for borders.

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10,000 well-rooted, 20 to 30 inch, \$2.50 per 100; \$20.00 per 1000. 1000 one-year seedlings, 12 to 24 inch, \$1.50 per 100; \$12.00 per 1000. In pots of 2000 and over, \$10.00 per 1000; fine for transplanting; packed free of charge. For samples by mail send 25c. in stamps.

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removed to their permanent quarters. Or they may be sown in the open ground or frame in good open well-drained soil, kept free from weeds, and allowed to remain one year in the seed bed or row and thence removed to their permanent quarters.

They all may also be multiplied by division of the roots, either in the Fall or Spring, if large numbers are required. Most of them grow very freely from root cuttings made into lengths of from 3 to 4 inches and inserted in boxes of sandy soil until they commence to show signs of growth, when they may be potted up and planted as advised for seedlings. This method does not apply to those with variegated foliage, for, as a rule, nothing but green-leaved forms would result.

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Duke of Marlborough, 4 1/2 ft. 35 2.75 25.00
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Explorateur Crampel, 5 1/2 ft. 30 2.00 17.50
Express, 2 to 2 1/2 ft. 60 4.50 40.00
Flamingo, 4 1/2 ft. 30 2.00 17.50

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Luray, 3 ft. 35 2.25 20.00
Louise, 3 1/2 ft. 35 3.50 25.00
Mlle. Berat, 4 1/2 ft. 35 2.25 20.00
Tennyson, 5 1/2 ft. 50 3.00

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Pres. Cleveland, 4 ft. 35 2.25 20.00

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Indiana, 3 to 4 ft. high, 15c. each 1.50 10.00
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Som. de A. Crozy, 4 ft. 40 2.75 25.00
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Comte de Bouchard, 4 1/2 ft. 35 2.25 20.00
Florence Vaughan, 5 ft. 50 2.75 25.00
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Brandyvine, 4 to 5 ft. 35 3.50 25.00
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Egandale, 4 ft. 50 2.75 25.00
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Robusta, 6 to 8 ft. 30 1.75 15.00
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Stadttrath Heidenreich, 4 1/2 ft. 20c. each 2.00 15.00

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Bulbs measuring 6 to 8 in. Doz. 100 1000
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Bulbs measuring 10 to 12 in. in circum. 75 5.50 50.00
Bulbs measuring 12 to 13 in. in circum. 1.00 8.00 75.00
Monster Bulbs measuring 12 in. and upward in circum. \$1.50 per doz.; \$12.00 per 100.

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Table listing various florists and their addresses, including Allen J. K., Alpine Plants Home, Amer. Nursery Co., etc.

Table listing florists and their addresses, including Walter C. S. J. Co., Wagoner, W. H., etc.

INDEX TO STOCK ADVERTISED

Table listing various plant species and their prices, including Amaryllis, Anemone, Begonia, etc.

Contents

Table listing contents of the magazine, including Account Rose Society, Business Bulletin, Catalogues Received, etc.

Flower Show at Lenox, Mass.

The annual meeting of the Lenox Horticultural Society was held Saturday, March 7, 1908, at the Lenox Hotel...

A splendid vase of gardenias was shown by E. Heermans, whose success with this plant has been far above the average...

TRADE NOTES

Boston, Cincinnati, New York, Madison, N. J., Philadelphia, Chicago, St. Louis, Baltimore, Baltimore, Washington, Week's Work, The...

Boston.

Club Meeting. The Gardeners and Florists' Club on Tuesday evening had its usual large gathering at the meeting...

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Strong rooted cuttings, red and yellow, 50c. per 100, or \$4.00 per 1000. Brilliantissima, 60c. per 100, or \$5.00 per 1000

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Princess of Wales, the only single violet worth growing. My necessity is your opportunity. To move immediately my stock of well rooted divisions, will sell at a bargain. Write for cash prices at once.

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PHILADELPHIA LACE FERN

\$12.00 per 100, \$100.00 per 1000. 5% off cash with order.

These are good strong plants that were potted November and December last.

We need the room and must move them.

Also a fine lot of 6 1/2 inch pots at 75 cents each, 25 or more at 70 cents each.

This is the most talked about fern of the lot and has been awarded a great many honors, including a medal by the Royal Horticultural Society of London and the "Kitt Cup" by the Pennsylvania Horticultural Society for the most meritorious new plant introduced in 1907.

Equally as good as green for cut flowers or pot culture.

The stock here offered is in superb condition.

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MY SPECIALTY

I have an immense stock of assorted ferns for Jardinieres, healthy and bushy, none better; in 15 of the best market varieties, including *Cyrtomium Falcatum*, *Aspidium Tennesmense*, *Pteris Wimsettii* and *Mayli*, in good proportion, from 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.

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Kentia Belmoreana, 2 1/4 in., \$1.30 per doz., \$10.00 per 100.

Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.

Adiantum Cuneatum, fine stock, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.

Adiantum Farleyense, 4 in., \$4.75 per doz., \$35.00 per 100; 5 in., \$8.50 per doz., \$65.00 per 100, 6 in., \$12.00 per doz.

Adiantum Gracillimum, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000.

Cibotium Schiedelii, 4 in., \$3.50 per doz., \$25.00 per 100.

Nephrolepis Scottii, 6 in., \$7.00 per doz., \$60.00 per 100; 8 in., \$15.00 per doz., worth the double.

Elegantissima and *Pieris*, 5 in., \$5.50 per doz.

Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

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Asparagus Plumosus, 2 1/4 in., \$3.50 per 100. *KENTIA* *Belmoreana*, 4 in., \$25.00 per 100. Standard varieties of carnation cuttings at popular prices.

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FINE FERNS FOR JARDINIERS

Very bushy and in best varieties. Liberal count on all orders. 2 1/4 in. pots, \$3.00 per 100, \$25.00 per 1000.

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Cibotium Schiedelii, 6 in. pots, \$1.00 each

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FERNS For Jardinieres

Best varieties, strong, healthy plants from 2 1/4-inch pots, \$3.00 per 100; \$25.00 per 1000. 500 at 1000 rate. 3-inch, \$6.00 per 100.

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Nephrolepis *Scottii*, 7-in. 75c. and \$1.00 each; 9 in. \$1.50 and \$2.00 each.

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FERNS, Boston and Whitman, 6-in pots, 50c each. AZALEAS, red, white and variegated pink, \$1.00 to \$1.50 each. COLEUS, *Verschaffeltii* and Golden Bedder R. Cuttings, 60c. per 100. SALVIA *Splendens* and *Bouffre*, R. Cuttings, 90c. per 100. Write for special price on Carnation Cuttings.

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Some extra fine plants of *Cyrtomium falcatum* the Holly Fern, *Pteris Wimsettii*, *P. cretica alba*, etc., in 3 in. pot at \$6.00 per 100. 2 in. stock all sold for the present.

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ASPARAGUS PLUMOSUS or SPIRENGERI, 2 in. \$3.00; 3 in. \$6.00; 6 in. \$40.00 per 100. Cash or C. O. D.

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10,000 AZALEAS, just right. Never were better. *Nidus*, *Van Der Cruyssen*, *Empress of India*, *Averanema*, *Fire Fly*, etc. 40c to 50c each.

RHODODENDRONS, \$1.50 to \$3.00 each.

SPIREAS, 25c., 35c., 50c. each.

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HYACINTHS, first size, select, \$15.00 per 100.

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We have just unpacked a splendid lot of this fine Orchid, useful and profitable for cutting, as well as for exhibitions. Do not miss the opportunity to secure some of these plants. You will be well pleased with the results.

TO ARRIVE, beginning with May and throughout the season, we have large quantities of Orchids coming, and if you are in the market for any, we respectfully solicit your orders. Our stock of ESTABLISHED ORCHIDS is large and fine, and varied enough to suit all purposes. Write us for prices.

On hand always, we have fine ORCHID PEAT, LIVE SPHAGNUM MOSS, ORCHID BASKETS, etc.

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Imported ORCHIDS Just to Hand

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ORCHIDS We shall receive this Spring large quantities of imported ORCHIDS, namely: *Cattleyas*, *Dendrobiums*, *Oncidiums*, *Laelias*, *Vandas*, etc. Our facilities for handling large consignments are second to none. We have four collectors, including our Mr. Carrillo, who collect exclusively for us. Our quality and price are too well known to need further comment—a trial order will prove it.

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The five people in this line and the largest importers in the Kingdom. Stock about 100,000 growing; importations constantly coming. Cut-flower growers can do well with us. WRITE.

Araucarias

Nice plants from 5 in. pots—4 to 5 Tiers

60c. each; \$5.50 per dozen.

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CARNATIONS and Novelties in DECORATIVE PLANTS

Market and 49th Sts. PHILADELPHIA, PA.

THE WEEK'S WORK

Timme's Timely Teachings.

Azalea Mollis.

Of hardy azaleas suitable for indoor culture none proved more satisfactory last season than *Azalea mollis*. While *Azalea amona* and the Ghent or pontica varieties indeed deserve all the attention private gardeners feel inclined to bestow upon them, *Azalea mollis* is the true commercial sort. It can easily be had in bloom any time in March and even earlier, and if instead of that it is kept out of doors in a frame until then and forced out for the later Spring sales it never fails to do just what the grower expected it to do—unfold its golden blossoms and become the most charming of sprightly bush plants in all his collection at a time when such stock can most readily be disposed of. This makes this azalea an Easter plant par excellence, be that holiday early or late. Out in slightly protected frames the plants winter best, and even a solid freezing does not hurt them; and it is more for the sake of the pots than the plants that any protection at all is needed. Brought in, thawed out slowly and then put into a carnation house temperature it will take the azaleas from five to six weeks or under more severe forcing, if such is deemed necessary.

Pansies.

Unless sashes are opened wide or entirely removed on fine, sunny days, pansies in frames are likely to turn out anything but first quality stock for marketing or bedding. It is time to inure them to adverse in weather conditions sure to be met with the coming of Spring. In these days of increased sun heat the growing pansies under closed or insufficiently opened sashes undergo actual forcing—for the time being; this, if not followed up by a heavy covering at night or on cold days, is death to bedding pansies. Great heat as well as chest protectors are their sworn foes. It is quite a different thing in case the pansies were grown for the sole purpose of yielding flowers for cutting—a plan much to be preferred to greenhouse bench culture. Pansies intended for this particular line of floricultural industry are sown somewhat earlier than the bedding stock, so that when Winter sets in they already are pretty strong plants, firmly rooted in the richest of compost, with from 12 to 18 inches of headroom between them and the glass of the sashes, when closed. Very deep or high frames are best for the purpose. No encouragement for any farther growth of these pansies during Winter is given, but in early March the frames are banked on the outside with fresh horse manure up to where the sashes rest, and these, too, on cold nights are covered with mats or litter occasionally as need calls for. The treatment, in short, as declared to be disastrous to bedding pansies, is entirely correct in this case. The result is a continuous picking from now until the end of May of blooms, the largest ever held on stems 9 or 10 inches in length, stout and straight as a pencil.

Window Boxes.

It is well while speaking of pansies to remind the retail grower of how fast selling an article—a neat window box, or just a potter-made pan, any kind of plain or fancy receptacle, filled with flowering pansies, is, not only at Easter but throughout the months of Spring. Pansies above all else appeal to the ardent lovers of flowers, especially to those

unfortunates who have no gardens, dwellers in city flats and upper stories, a large class of every florist's cash customers. Sturdy plants from frames and the richest of soil should be used in the filling of these boxes. Pansies and, next to these, ferns or asparagus, hold out longest and give the best satisfaction for dwelling room and indoor adornment. For Easter much of the bulbous stock is also disposed of in this manner. This is a good time to make up all stock of this character, while the subject of vase and box filling for outdoor effects and Summer service can be discussed later, there being no need of the grower's mind or hand to busy themselves about work of this description until after Easter, it being taken for granted that ample stock for the purpose will, as usual, be in evidence on every place where orders of this kind are figured upon as a feature of the general Spring trade in plants.

Cytisus and Aecia.

Both cytisus and aecias are among the prettiest of yellow-flowering Easter plants. There was no trouble last year to have either of them just at their finest at the proper time, while this season's stock in this line seems to be determined to have its own way. Cytisus, or as it is more often called, genista, is not only hard to hold back, but is also one of the readiest plants to drop its blossoms, and its flowering season is one of the shortest, so that if but a week ahead of time, its beauty is gone and Easter must get along without it. This is likely to happen this year unless kept as cool as possible, safe from freezing, of course, and in the full light. A place like this also suits Aecia armata, the variety now mostly grown. But it differs in its treatment from genistas as likely to bring best results from now on, in that it needs for proper and uniform expansion of its bead-like blossoms a higher temperature, about 55 degrees, combined with a much drier atmosphere than suits most other hard-wooded species. Then to prevent discoloring and premature decay of blossoms, as soon as these show color, a removal of the aecias to their former cool and dry bench is the means of possibly carrying them along in good form until Easter; a shading on sunny days helps to lengthen the period of perfect bloom, but fresh air and sufficient water at their roots must not be withheld at any time after flowers have opened. Genistas are improved in appearance by liquid feeding, more so than aecias.

Geraniums.

The general run of bedding geraniums comprises at the most a dozen varieties, differing but slightly as to behavior under good culture up until now. Yet the difference between individual plants of any one of the varieties as to shapeliness and headway toward flowering is never more apparent than at the near approach of early Spring. A sorting out into at least two classes of stock at this time always pays. Those that now show three or more plump shoots and a 2-inch pot fairly alive with working roots, should be repotted into fours or fives to become prime stock for early sales. The greater number, however, will at this date show a less pleasing symmetry in growth, will need another, a last cutting back, to induce a more satisfactory break. To this end they are reset by themselves, are sparingly supplied with water for a week or so, but liberally with light and especially fresh air all along. By the middle of April they will be ready for the final shift into 4-inch pots and will root these through and come into bloom in good season for the Memorial Day and general plant trade.

Gloire de Lorraine Begonias.

Cuttings from stock plants of Begonia Gloire de Lorraine, rooted, repotted and given a chance to make an early new growth, will root more readily now while steadily held bottom and atmospheric heat and moisture are still at the command and proper control of the grower, than at the regular season of propagating this begonia by side growth, a month or two hence. We then make it our chief aim to work up sufficient stock merely for the filling of pans, baskets, etc., while the rooting of cuttings from early started plants at this time results in nearly as fine specimen begonias as the re-rooting of the young growths obtained by early leaf propagation. These latter and those taken off now should be potted up as soon as roots are forming, and be placed again in a pretty warm house and over bottom heat until established, any break in constant headway to be avoided as far as possible.

Gypsophilas, Stevias and Eupatoriums.

Of the several varieties of stevia and eupatorium deemed indispensable and therefore largely grown everywhere in years gone by, one after the other was dropped in the course of time, until now but one remains, Stevia serrata. Even this one is a stranger on many places and would probably also have entirely disappeared long ago had suburban and country florists, especially beginners, not been constantly reminded of its existence, its great value and its easy culture. Its great value is not manifest in the weekly returns from the wholesale commission house, but to the home decorator it is apparent. Like many another undeniably cheap plant it enhances the beauty, increases the price and helps to sell the more expensive stock. What Gypsophila paniculata is to the local florist in the Summer Stevia serrata is in the Fall and early Winter. Once accustomed to using either quite freely one misses them greatly when per chance run out of them. Gypsophila paniculata is propagated by division and can also be raised from seeds, by which method flowering material for next and subsequent seasons is obtained, the plants being fast spreading hardy perennials. Stevia serrata, on the other hand, is easily damaged by the slightest frosts, and although best grown into good bushes under open field culture should not be planted out too early or housed too late. The very coolest corner in the coolest greenhouse, with plenty of air and light, is the best place for stevia after being potted up in the Fall. It is propagated by cuttings, which root quickly at this time of year. If not in stock, retail growers should not hesitate in sending for it, and in doing so should include a few varieties of the old eupatorium, which thrive under the same mode of treatment; but, unlike stevia, which furnishes flowers in Fall and never later than Christmas, bloom throughout January and February.

FRED. W. TIMME.

CHRYSANTHEMUMS Rooted Cuttings Now Ready

WHITE—Timothy Eaton, Mrs. Geo. S. Kobb, fine early; Estelle, White Bonaffon, Alice Byron, Fairy, C. Touse, Jeannie Nolin, October Frost, PINK—Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere, YELLOW—Major Bonaffon, Yellow Eaton, Crema, Robt. Halliday, Yellow Jones, "Baby," small yellow. \$2.00 per 100; \$15.00 per 1000. Cash with order. WILLIAM SWAYNE, P. O. Box 226, Kennett Sq., Pa.

CHRYSANTHEMUMS

White Duckham, White Shaw, White Jones, Ivors, Eaton, Faust, Amorita, Monrovia, John Burton, Helen Frick, October Frost, Yellow Eaton, Yellow Jones, Baby, etc., \$1.50 per 100, rooted; 75c. for unrooted cuttings, to order. Cash please.

Henry Eichholz, Waynesboro, Pa.

Chrysanthemum Rooted Cuttings

MONROVIA, MAUD DEAN and J. NOLIN. Rooted Cuttings for March delivery. \$1.50 per 100.

ANTON C. ZVOLANEK, BOUND BROOK, N. J.

CHRYSANTHEMUMS

For Every Purpose. A card will bring our Illustrated 1908 Catalogue.

ELMER D. SMITH & CO., Adrian, Mich. Successors to Nathan Smith & Son.

ASPARAGUS SPRENGERI, 4 in., \$6.00 per 100. SMILAX SEEDLINGS, from Bats 50c. per 100. \$4.50 per 1000. GERANIUMS: Nutt, Grant, from 2 1/4 in., \$2.25 per 100. SALVIA BONFIRE, strong seedlings, \$1.00 per 100; \$8.00 per 1000. CARNATIONS, unrooted cuttings, Harlow-warden, Just, Genevieve Lord, \$5.00 per 1000. Cash with order.

C. A. PETERSON MAIN STREET, MADISON, N. J.

PLANT CULTURE

PRICE \$1.00 A. T. DE LA MARE PTG. & PUB. CO., 2 Duane Street, New York

Are You Interested in the New Single 'Mums?

My list gives you a choice of 750 varieties. Varieties now ready are KATIE COVELL, ROB ROY, HELEN TOTTY, HAROLD BISHOP, MRS. UNTERMEYER, etc. all at \$2.00 per dozen; \$15.00 per 100, 2 1/4 in. pots. Buy now and increase your stock.

Chas. H. Totty, Madison, N. J.

Pansy Plants

Per 100 Per 1000
Giant Flowering, \$2.50 per 1000, \$20.50
ALTERNANTHERAS, Red, Yellow, April 10, \$2.00
COLEUS, 10 Var. 2 1/4 in. pots, \$2.00
VINCA VARIEGATED, 2 1/4 in., \$2.50
VERBENAS, April 15, \$2.00
CANNAS, C. Henderson and eight other varieties, dry bulbs, \$2.00

Geraniums

Per 100 Per 1000
10 Var. 2 1/2 in. pots, \$25.00 per 1000 \$3.00
ROSE GERANIUM, April 1, \$4.00
DOUBLE PETUNIAS, April 1, \$3.00
ASPARAGUS PLUMOSUS, April 1, \$2.00
ASPARAGUS SPRENGERI, April 1, \$2.00
CENTAUREA GAMBOSI, Apr 15, \$2.00 Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio

FELTHOUSEN'S GERANIUMS

None better if as good. The following varieties, in 2 1/4 in. pots, with or without soil, \$18.00 per 1000.
Beaute Poitevine, S. A. Nutt, La Favorite, John Doyle, Richard Brett, Ricard, Branti, General Grant, M. Canovas, Jean Vland, Pasteurean, Landy and several others.
FUCHSIAS, rooted cuttings, \$1.00 per 100; 2 1/4 in. pots, \$3.00 per 100.
HELIOTROPE, rooted cuttings, \$1.00 per 100; 2 1/4 in. pots, \$3.00 per 100.
SALVIA BONFIRE, rooted cuttings, \$1.00 per 100; 2 1/4 in. pots, \$2.00 per 100.
COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.
ROSE GERANIUMS, 2 1/4 in. pots, \$20.00 per 1000.
AGERATUM, Stella Gurney, 60c. per 100 R. C.; 2 1/4 in. pots, \$1.00 per 100. Cash with order.

J. E. FELTHOUSEN, Schenectady, N. Y.

GERANIUMS

2 in. pots. Nutt, Doyle, Buchner, \$1.75 per 100; \$15.00 per 1000; Ricard, Castellane, Vland, Poitevine, Pasteur, Mme. Sallerol, \$2.00 per 100; \$20.00 per 1000.

COLEUS

Golden Bedder, Crimson Verschaffelii and fifteen other varieties, R. C., 60c. per 100; \$5.00 per 1000. 100 100 R. C. 2 in.

AGERATUM, P. Pauline and Stella Gurney, \$0.60 \$1.00
SALVIA Bouffre, 1.00 2.00
SWEET ALYSSUM, 1.00 2.00
HELIOTROPE, dark, .75 2.00
FUCHSIAS, .75 2.00
FEVERFEW, double white, .75 2.00
ASPARAGUS PLUMOSUS, Namus and Sprenger, 3 in. pots, \$4.00 per 100. Cash with order.

ERNEST HARRIS, Delanson, N. Y.

GERANIUMS

Small, thrifty, from pots, sent nearly free of soil. Nutt, \$12.00; Doyle, Grant, Buchner, \$13.00; Ricard, Poitevine, Perkins, Vland, Dryden, \$15.00 per 1000.

COLEUS

Bedder, \$5.00; Verschaffelii, \$6.00 per 1000. Plants, Sage Fireball, Alternanthera, Red Rug and A. Nona, and Pansies, large, choice, 75c. per 100. Gladioli, blooming size, \$3.00 per 1000. Write for bargains. Cash.

DANIEL K. HERR, LANCASTER, PA

GERANIUMS

ROOTED CUTTINGS Strong well-rooted stock, ready March 1st, at \$19.00 and \$12.50 per 1000. Send for list.

ALBERT M. HERR, Lancaster, Pa.

GERANIUMS

Rooted cuttings. TREGO, CASTELLANE, VLAND, CHARLOTTE, DOYLE, RICARD, POITEVINE, \$1.50 per 100; \$12.00 per 1000. BUCHNER, MONTMORT, PERKINS, \$1.00 per 100, \$10.00 per 1000. S. A. NUTT, \$1.00 per 1000. Cash with order.

PETER BROWN, Lancaster, Pa.

A FEW GOOD THINGS YOU WANT

Cash with Order.
Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.
Asparagus Sprenger, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.
ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.
Dracena Indivisa, 2 in., \$3.00 per 100.
FERNS, Scottii, 5 in., 30c. each.
Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, La Favorite, 2 in. pots, \$2.50 per 100. Rooted cuttings, \$1.25 per 100; E. H. Trego, Castellane, Poitevine and Vland, 2 in. pots, \$3.00 per 100. Rooted cuttings, \$1.50.
VINCA VAR., 2 in. \$2.00 per 100. Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.
GLADIOLUS BULBS, mostly light colors, \$1.00 per 100.
REX BEGONIAS, 2 in., \$5.00 per 100.
GEO. M. EMMANS, NEWTON, N. J.

FRINGED Double Petunias

Per 100
Rooted cuttings by mail, \$11.25
VINCA variegated, R. C., \$1.00
GAZANIA Splendens, R. C., \$1.50
ASPARAGUS, Sprenger, 3 in., very strong, \$5.00
SALVIA, tall and dwarf, \$1.00
STROBILANTHES Dyerlanus, R. C., \$1.25
GERANIUMS, Mme. Sallerol, R. C., \$1.50
MOON VINE, Smith Hybrid Seedling, transplanted, \$2.00
Cash with order, please.

GEO. J. HUGHES, BERLIN, N. J.

ASPARAGUS Plumosus and Sprenger, strong plants, 2 in. pots, \$2.25 per 100.

STOCKS, double white, in bloom, 6 in., 20c. each.

ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100.

GERANIUMS, double scarlet and red, \$1.75 per 100.

ARACARIAS, 2 in., four tiers, \$1.00.

FERNS, Scottii, 4 in., 10c.; 5 in., 15c.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

J. H. DANN & SON WESTFIELD, N. Y.

Pelargonium Victor

Best dark seller—fine stock
100 100
400 2 inch \$3.50 200 3 1/2 inch \$7.00
300 2 1/2 inch 4.50 200 4 inch 9.00

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Weekly Medium of Interchange for Florists, Nurserymen,
Seedsman and the Trade in General

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THE NATIONAL FLOWER SHOW, under the auspices
of the S. A. F. O. H., will be held at Chicago, Novem-
ber 6 to 15, 1908. William F. Kasting, Buffalo,
N. Y., is chairman of the show committee.

NATIONAL FLOWER SHOW.

Premium List.

The preliminary premium list for the National Flower
Show, to be held in Chicago, November 6-15, 1908, has
now been issued. It is a most comprehensive one, em-
bracing some 26 pages. The special premiums are
enumerated under the respective divisions of the ex-
hibits for which they are offered; and they are quite
numerous. The list in general as well as the majority
of the specials have appeared in our columns from time
to time.

Copies of the preliminary premium list, as now pub-
lished, can be procured from J. H. Burdett, 1411 First
National Bank Building, Chicago, Ill. We advise all
intending exhibitors to secure a copy for their guidance
and information; they will find it a most interesting
document, the harbinger of what undoubtedly will be
the greatest horticultural exhibition this country has
ever seen.

The show is to be given under the auspices of the
S. A. F. O. H. in co-operation with the American Carna-
tion Society, the American Rose Society, the Chrys-
anthemum Society of America, the Illinois State Flor-
ists' Association, the Chicago Florists' Club and the
Horticultural Society of Chicago.

THE WHOLESALE FLOWERING CARNATION SOCIETY OF Eng-
land will hold its Spring show on April 1 in the Royal
Horticultural Hall, Vincent Square, London. Schedule
of prizes and exhibitors may be obtained from the
Hon. Secretary, Edward Watkins, Lucerne, Stubbington,
Farnham, Surrey.

American Rose Society.

On Wednesday, Thursday and Friday next, March 25,
26 and 27, 1908, will be held in Chicago the annual con-
vention and exhibition of the American Rose Society. Never
before in the history of this organization has a larger
list of special prizes (see page 343 of last week's issue)
been offered, and these, together with the general pre-
miums, which are likewise of a liberal character, should
be the means of bringing out the most extensive and
comprehensive exhibition of the queen of flowers ever
presented in this country.

The annual convention of the society should prove
equally interesting, as some valuable papers are to be
read and other important matters discussed. The sub-
jects to be dealt with by the various essayists include:
"Roses in Colorado," by J. A. Valentine, Denver;
"Proper Size of a Greenhouse for Commercial Rose
Growing," by William H. Elliott, Brighton, Mass.;
"Forcing Roses in Pots for Easter," by Robert Craig,
Philadelphia; "Rose Gardens," by W. A. Manda, South
Orange, N. J.; "Roses for Decorative Purposes," by
John F. Sullivan, Detroit; and a paper on "Soils," by
George A. Maynadier of the Department of Agriculture,
Washington, D. C. Then the proposition to publish a
"rose journal," which is meeting with general favor
from those concerned, will receive further consideration.



John J. Perry
Pres.-Elect Baltimore Gardeners' Club

We are pleased to note the enthusiasm evidenced in
this society and its work, both by the members of the
trade themselves and by outsiders who are lovers of the
rose. With the same energy continued, as has been
shown by the officers of the Rose Society, and especially
by Secretary Hammond, there is no reason whatever
why the organization should not take a foremost place
among the special societies of the country. The field
open to it is a more extensive one than is available to
any of the other organizations devoted to special flowers,
and the clientele to which it appeals is likewise larger
than that which either of its sister societies can com-
mand. The Rose Society has been fortunate, too, at
its later shows, in having the warm support of some of
the leading horticultural associations of the country and
the present exhibition is no exception to this condition
a fact to which the special prize list abundantly testi-
fies. The men engaged in securing new and valuable
varieties of roses, both by cross-fertilization at home and
importations from abroad, are appreciating the encourage-
ment given them; and at the Chicago show will be ex-
hibited probably the largest presentation of new things
in the rose line that American rosarians have yet wit-
nessed. This should draw out a representative
attendance, and every one intending to be present
should go to the meeting and exhibition imbued with
the desire to help along the good work by affiliating
themselves with the Rose Society, thus expressing in
this tangible manner their appreciation of the endeavors
of the association, and their practical interest in what
it stands for.

We hope, too, that the society will carry out the oft-
suggested holding of a Midsummer show of garden roses
for the encouragement of the amateur rose lover. It is
from this source that the greatest augmentation to the
ranks of the Rose Society can come; and it is surely
worth striving to secure. The latest report of the Na-

tional Rose Society of England shows a total member-
ship of 2,484, mostly, as we understand, composed of
amateurs. The motto of our own organization is "A
Rose for Every Home; a Bush for every Garden." If
then that motto means anything, is something more
than mere verbiage, and an earnest effort is made to
carry out fully the association's avowed aim, is there
any good reason why the membership of the American
Rose Society should not in time measure up to, or even
exceed, that of its English prototype? We ourselves can
think of none.

OUR READERS' VIEWS

The Rose Society's Show.

Editor Florists' Exchange:

I would like the privilege through the columns of your
paper of calling the attention of the rose growers in the
East, by that I mean the entire section of country east
of the Alleghenies, to the convention and exhibition of
the American Rose Society at Chicago March 25, 26, and
27. The supplementary premium list was published in
your paper last week, and I think all will agree that it
is a wonderful list, giving as it does about \$2,000, in
special prizes for roses, besides those offered to the regu-
lar classes by the Rose Society.

However, an attractive premium list, valuable as it
undoubtedly is, and necessary as well, is not all that is
required to ensure a successful exhibition. What is
necessary in addition is the enthusiastic and hearty co-
operation of the members of the craft, not only in the
immediate vicinity of Chicago; but Boston, New York,
Philadelphia, Cleveland, St. Louis, Milwaukee, and every
other rose growing center should vie with each other in
making this the finest exhibition of roses in the history
of the world.

I think there is no question but that the growers in
the Middle West will do their share in putting up ex-
hibits to the very best of their ability; but there is dan-
ger of the growers in the East leaving the question of
exhibits largely to our friends in the West, excusing
themselves on the ground of distance, etc. For this
reason I wish to urge, through your paper, at this time
that our friends in the East, who have covered them-
selves with glory at previous exhibitions of the society,
should enter into this show with the same enthusiasm
as they have done in the past.

With careful packing, taking care to secure the blooms
firmly to the bottom of the box, and a little chopped ice
sprinkled through the foliage, always provided the
blooms have been cut and stored for 24 hours previous
to packing, there is no reason why American Beauty,
Richmond, Killarney, and other roses should not travel
from Philadelphia, New York, or Boston, and arrive in
Chicago in very good condition.

The price of even very fine roses at the present time
is so low that we are not sacrificing very much finan-
cially if we send a few hundreds of our best blooms to
the show; and I again urge my friends in the East to
rally to the good cause, and stand by the officers of the
society in their determination to make this the best ex-
hibition ever given by this or any other society.

Clifton, N. J.

ROBERT STIMPSON,
President American Rose Society.

Seedsman and Plant Nomenclature.

Editor Florists' Exchange:

Relative to the action of the Wholesale Seedsman's
League as published in your issue of the 14th inst., it
is to be hoped that some righteous, open and above-
board course of procedure will be adopted by the seed
trade for the purpose of protecting everybody concerned.
There must be no "ifs" or "buts" about it; there must
be a square deal all around.

As The Florists' Exchange has wisely suggested, the
matter should be put into the hands of the Bureau of
Plant Industry of the United States Department of
Agriculture. The great majority of the men engaged
in the seed trade are so situated that they have neither
the time nor the facilities for conducting their own in-
vestigations. The Bureau of Plant Industry, however,
devotes itself to experiments and investigations; in fact,
one of its functions is to ascertain the merits and adapta-
bility of the various plants. And illustrative of the
confidence which is reposed in it by the seed trade, I
will refer to the Bureau's pamphlet on lettuces now
used for reference by seedsmen all over the country.
This same confidence would be reposed in the Govern-
ment in its decisions in regard to names of new varie-
ties.

If our cause be straight, fair and square, we need
never fear our Government. And here let me interject,
that the great majority of the seed fraternity heartily
welcome all pure seed laws which some of the States
are placing on their statute books in line with the pure
food law; and the seedsmen in general are also just as
anxious to be protected from "rotten" or "fake" varie-

Obituary

C. T. C. Deake.

Cyrus Towner Curtice Deake died at his home in Asheville, N. C., on Wednesday forenoon, March 11, 1908. He had been in feeble health for some time.



The Late Professor W. G. Johnson

Mr. Deake was born at Providence, Saratoga County, N. Y., December 5, 1824. When he was a year old his family moved to a farm near Mount Morris, Livingston County, N. Y. He spent his boyhood days there, attending a country school. Afterward he attended the old Bucks Academy at Nunda, N. Y. He graduated from this academy and taught school in that section of New York for several years. From here he went South and taught school in various localities. Soon after the beginning of the Civil War Mr. Deake went to Alabama in an engineering corps in charge of some nitre works of the Confederacy. During this stay in East Tennessee he read law, was admitted to the bar and began the practice of law at Jonesboro after the close of the war. He remained in Jonesboro until the Spring of 1871, when he went to Bakersville and in company with his nephew, J. W. C. Deake, went into the mica mining



The Late J. M. Gasser

business under the firm name of Deake & Deake. In 1875 he bought the Bakersville Independent, something of a religious paper, and converted it into the Roan Mountain Republican, of which he was editor. In 1879 he sold his mining property and devoted his time to the newspaper exclusively until the Summer of 1880 when he sold out and began the publication of the Asheville News. The publication of the Asheville News was kept up until 1884 when it was sold and Mr. Deake retired

to a farm and began truck raising. In 1884 he was in the florist business which afterwards became the Ells-wild Floral Company, composed of C. T. C. Deake, Mr. J. B. Deake and J. W. C. Deake. This business was maintained until two years ago when the greenhouse were lost.

Mr. Deake had been out of the public eye for some time. For years he presided over the downtown branch of the Ells-wild Floral Company greenhouses. He was a conversationalist of rare ability, a man who, although having passed the three score years and ten milestone, was endowed still with an active brain and a keen sense of humor. His reminiscences were instructive and delightful, his wit and humor pleasing. He was a friend to the children and many wee tots of Asheville have sported to school or to frolic a choice rose, a carnation or violet pinned to their dainty frocks by the trembling hand of this genial, kindly gray-haired, gray-bearded smiling friend. The members of the S. A. F. O. H. who were present at the Asheville convention, over which J. W. C. Deake presided, will remember the genial old man who has just passed away.

In 1855 he married Miss Josephine Simpson of Kingsport, Tenn., who survives him.

Willis G. Johnson.

Professor Willis Grant Johnson, one of the members of the editorial staff of the Orange-Judd Company, died last week at his home in New York of spinal meningitis. Professor Johnson was born at New Albany, O., July 1, 1866. He obtained his education through his own endeavors. He was a student in the preparatory department of the Ohio State University from 1884 to 1887; at Cornell University from 1889 to 1892, securing his degree of A. B. in the latter year. He was a post-graduate student in science, instructor in entomology, embryology and assistant registrar at the Leland-Stanford University of California from 1892 to 1894, receiving his degree of A. M. there. He was instructor in entomology at the University of Illinois, engaged in special work for the Illinois State Laboratory of National History and assistant State entomologist from 1894 to 1896. He was State entomologist of Maryland, professor of invertebrate zoology and entomologist of the Maryland Agricultural College, and entomologist of the Agricultural State Experiment Station from 1896 to 1900. Since the latter year he has been agricultural editor of the Orange-Judd Company publications.

Professor Johnson was an authority on fruit tree pests and a well-known writer and lecturer on this and kindred subjects. He was the author of a book on Fumigating Methods, which had an extensive sale, and editor of the Poultry Book, published by Doubleday, Page & Company. The deceased belonged to many organizations, among them the American Association for the Advancement of Science, the Society for the Promotion of Agricultural Science, the American Pomological Society, the American Association of Economic Entomologists, the Washington Biological Society, the Patrons of Husbandry, the New York State Dairymen's Association, the Phi Delta Theta of California, the New York Press Club and the Republican Club. He was for a short time a member of the New York Florists' Club, but resigned this year. When the office of assistant secretary of the Department of Agriculture, Washington, D. C., was vacant in 1904, Professor Johnson was an unsuccessful candidate.

Professor Johnson had long been closely identified with the agricultural interests of New York and neighboring States. He enjoyed a peculiarity wide acquaintance among horticultural and agricultural leaders, and will be mourned by all who had been brought in contact with his cheerful, whole-souled personality. He leaves a widow and two children.

J. M. Gasser.

Joseph M. Gasser, florist, Cleveland, O., died last week at Flint, Mich., where he went three months ago for treatment. Death was due to heart failure. He had been in failing health for some time.

Mr. Gasser was born in Switzerland 67 years ago and went to Cleveland when a mere boy. After some years' service in the post office he engaged in the florist business and when he retired, several years ago, he had accumulated more than \$500,000, according to report.

Three months ago Mr. Gasser was taken to Mr. Clemens for treatment and later removed to Flint, Mich. His wife had been with him for the past two or three weeks and was at his bedside at the time of his death.

For years Mr. Gasser was known as one of Cleveland's prominent florists. He conducted several retail stores, a growing plant on Lake avenue, Lakewood, and another in Rocky River.

Mr. Gasser is survived by his widow and a daughter, Mrs. J. C. Potter.

When in good health Mr. Gasser took an active interest in the affairs of the American Carnation Society, of which organization he was vice-president in 1898, also in the S. A. F. O. H., whose members died at the Cleveland convention he entertained at his home. He had been a member of the Knights of Pythias for many years.

ties, as they are to be protected against "rotten" or doubtful seeds.

If permitted to do so, I would amend the sixth resolution of the Wholesale Seedsmen's League by adding after the words "full description and source of origin," the following:

"And in case the introducer be not the originator or discoverer of the said variety, then he must present a certified statement from the originator or discoverer of the same, that the name under which it is to be registered is its true name and title, and that it is not known by any other."

SEEDSMAN.

The "Snowball" Hydrangea.

Editor Florists' Exchange:

The controversy going on in the columns of your paper in regard to the hydrangea, so called "Snowball," etc., has been read with amusing interest. We have known this plant for a good many years, and to ascertain how long it has been grown in our city we called on a lady and asked how long she had had her "Snowball" hydrangea. She replied, "Thirteen years"; and on inquiry if hers was the first, she said, "No; a Mrs. Garris had one before I did." On asking where she obtained her plant, she said it came from the South. There are a good many specimens growing in our city, and I call to mind one that was ten feet through last year, with a hundred or more blooms—a beautiful sight.

We do not know as to its value as a cut flower, as we have never tried it in water to cure it; but have seen the flowers cut and used, and wilt right down. For this reason we have not paid any attention to it for cut flower use; but for yard planting it is all right and very desirable.

It seems strange that the wise ones should be so wrought up over a plant that seems to have been in cultivation for so many years and at so many different places.

L. E. HIRTZ.

Madison, Ind.

CLUB AND SOCIETY DOINGS

THE BALTIMORE (MD.) GARDENERS' CLUB held its meeting, election of officers and annual banquet last week. The attendance was the largest ever recorded in the history of the club, nearly 150 members being present. The election for president was extremely close between J. J. Perry and Thomas Patterson, both very prominent members. Mr. Perry was elected to the office of president; George Morrison, vice-president; N. F. Flitton, corresponding secretary; George Talbott, financial secretary; Charles Wagner, librarian.

The question of holding a Spring show in conjunction with the National Sculpture exhibition has been revived and will be pushed.

C. L. S.

ELBERON (N. J.) HORTICULTURAL SOCIETY.—The regular meeting was held on March 9. President H. Wood in the chair. There was a large attendance. Mr. Collins, florist, South Elberon, read a very interesting paper on "Landscape Gardening." A lively discussion followed. David McFarlane, White Plains, N. Y., was awarded the prize for exhibits scoring the highest number of points during 1907. A. Bauer staged a very fine vase of stock Queen Alexandra, which scored 95 points; J. Kennedy had a vase of Dutch hyacinths, blue, remarkably fine spikes, which scored 85 points. Among the exhibits was noticed a well-grown specimen of a large, single-flowering pelargonium Kingswood, grown by A. Bauer; he received the society's certificate of merit. G. Masson tendered his resignation as secretary on account of his leaving to take another position. The society thanked him for his able services during his term, and A. Bauer was elected to serve as secretary for the balance of the year. After the meeting adjourned a social time was enjoyed, to which the ladies were also invited. The next meeting will be held March 23, when W. Robertson will read a paper on "How to Make a Vegetable Garden."

A. B.

CONNECTICUT HORTICULTURAL SOCIETY.—The regular meeting of this society was held in Bardeck Hall, New Britain, Conn., Friday, March 13. The society usually conducts its meetings in County Building, Hartford, but on this occasion the entire body were the guests of the New Britain members. President Huss read an exhaustive paper on the rose, tracing its history from the remote ages to the present day, and included valuable cultural remarks.

John Gerard gave an interesting address on the privileges of the amateur and emphasized the value of membership in a live society.

Mr. Lorenzen gave an exceedingly interesting account of his recent trip through Central America. Alexander Cumming, city forester, Hartford, read a paper on the "Arrangement and Care of Shrubs," and pointed out how largely a tastefully arranged shrubbery added to the value of property.

Mr. Shultz read an amusing paper, prepared by a New Britain schoolgirl, on "The Trials of the Amateur Gardener."

A. C.

AMERICAN ROSE SOCIETY

The Annual Meeting.

The Chicago men certainly have acted in the spirit which has made theirs the Imperial City of the West. The beautiful Blackstone Hall in the Art Institute is to welcome next week the treasures of the best rose cultivators of the nation. The exhibition will be opened on Wednesday, March 25, at 5 p. m. The first session of the annual meeting will be called at 7:30 p. m. sharp; the second session at 2:30 p. m. of the 26th, and a third meeting will follow.

The headquarters of the society will be the Stratford Hotel, opposite the Art Institute on Jackson boulevard.

President Simpson will open the meeting with an address. Papers or addresses will be presented by J. A. Valentine, Denver, on "Roses in Colorado"; W. A. Manda, South Orange, N. J., on "Rose Gardens"; George A. Maynardier of the Department of Agriculture, Washington, D. C., on "Soils"; Robert Craig, Philadelphia, on "Roses in Pots for Easter"; W. H. Elliott, Brighton, Mass., on "The Proper Size of Greenhouses for Commercial Purposes." J. E. Sullivan, Detroit, on "Roses for Decorative Purposes."

There have been offered, by Peter Reinberg of Chicago, special growers' prizes for the men who actually grew the flowers—first prize, \$25; second, \$15, and third, \$10. A sweepstake has been offered by the Horticultural Society of Chicago—a silver medal. A. L. Ham-



Benjamin Hammond, Secretary

dall Company, Chicago, offers a prize of \$10 as a second for Ivory; and there was omitted from the list printed in the trade papers a prize by H. F. Mitchell Company, seedsmen, Philadelphia, for the best display of 50 Kate Moulton—a silver vase, valued at \$25.

The ladies' vote prize is a feature which seems to have elicited considerable attention, as it calls for personal interest in the actual show.

There has been mailed to each member of the society the final list of special premiums; members' admission tickets and a copy of the program.

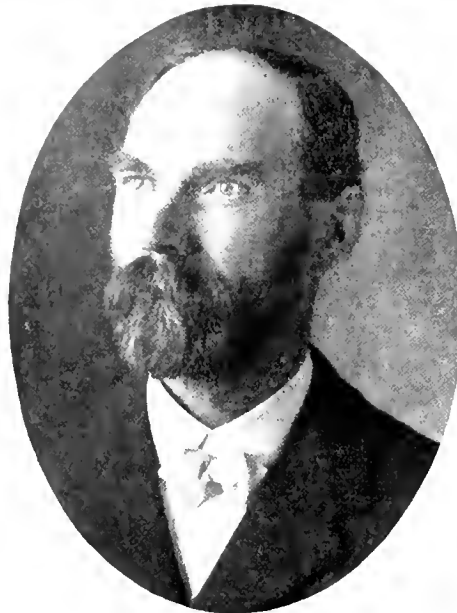
It is hoped that we may receive a substantial addition to the membership. A. P. Boudlog has sent his check for a life membership.

During the meetings the secretary will lay before the convention a number of the Rose Journal as a quarterly report. One-third of the members required to start the year have enrolled.

George A. ... acting manager of the exhibition.

BENJAMIN HAMMOND,

Fishkill-on-Hudson, N. Y. Secretary.



Robert Simpson, President

Soil and the Florist.

BY PROFESSOR L. C. CORBETT.

(Continued from page 376.)

A Specially Constructed Sterilizing Box.

The specially constructed sterilizing box is undoubtedly the most satisfactory system of soil sterilization. The boxes, of which there should be two, can be constructed of such size as to enable the operation of filling and emptying to go on simultaneously; that is, while one is being sterilized the other can be emptied and refilled so that while the soil in one box is becoming thoroughly cooked the other will be ready for the admission of the steam. In the construction of boxes different plans have been followed and those best suited to the particular conditions will of course be adopted by the grower. In general, however, a box 2½ feet deep, 6 feet wide, and 12 to 16 feet in length will be found satisfactory. The steam can be admitted either through drain tiles laid in the bottom of the box, or perhaps better through 1½-inch pipes perforated 6 inches apart, with 3/16-inch holes. The holes in the pipes should all be made along one side and in line and when the pipes are placed in the manifold from which the steam is to be drawn the orifices should all look down; the pipes being arranged at intervals sufficiently wide apart to admit of the use of a standard size shovel or spade between, and the rows about 1 or 1½ inch from the bottom of the box. The object in placing the holes downward is to prevent them becoming clogged by earth packed about the pipes.



August Pochlmann, Vice-President

The customary method of determining the point to which sterilization should be carried is to place a medium size potato in the surface two inches of the soil and when it has become cooked by the heating, the soil is considered to be sufficiently sterilized. It is found that high pressure steam is more effective than low pressure steam for this work and the conditions usually recommended are 40 to 60 pounds pressure, which gives a drier steam and does the cooking more rapidly than does low pressure. In order that the work of sterilization may be thoroughly effective it is necessary to observe certain precautions. These organisms are of a low order and like all low forms of life multiply very rapidly. It, therefore, requires but a small number of nematodes to be introduced into a bench or greenhouse to thoroughly infest the entire bench or house. If it is found that the plant is infested by these enemies the precaution should be taken not only to sterilize the growing soil, but the potting soil and the sand in the propagating bench, as well, should all be thoroughly sterilized. If any one of these steps is omitted it becomes an easy matter for the nematodes to be introduced either from the sand adhering to the roots of the plants when they are transferred from the propagating bench or through the soil used in the first handling before the rooted cuttings are finally transferred to the field or growing bench.

In the northern portion of the United States there is comparatively little danger of contamination from field-grown plants unless the field be mulched or manured with compost or soil which has been removed in the



Harry O. May, Treasurer

Spring from infested greenhouses. Soil which has been exposed to repeated freezing during the Winter months can be counted upon as free from nematodes. In most instances potting soil and growing soil can be rendered free from nematodes by careful precautions during the composting period. This requires that the soil be composted at least ten months in advance of the time it is to be used in the house so that it may remain in the open throughout the entire Winter and the heap be made broad, flat, and shallow enough so that the action of the frost shall penetrate throughout the whole heap. Under ordinary conditions, however, the heaps are not made so that frost action will extend from top to bottom of them. It is necessary in the latitude of this city (New York) to make compost heaps that are to be exposed in this way not more than 12 or 15 inches in depth and 10 inches would be better. There is an objection to this; if the heaps are exposed to the weather more leaching takes place than in deeper and more compact heaps, so that it is undoubtedly a wise plan to follow the customary system of composting to make sure of freedom from nematodes by the use of steam sterilization. This of course can be carried on quite economically in greenhouses heated by steam, but where a supplemental boiler must be provided in order to secure steam at proper pressure a very considerable item of expense will be incurred. There is, however, an added advantage in sterilizing the soil over that of mere freedom from nematodes, weeds, and disease germs, all of which, or a large percentage of which, are destroyed by sterilization. Sterilized soil when steam is employed has been observed to produce a more luxuriant growth than similar soil not so treated. The process of sterili-

zation seems to hasten the liberation of plant foods and to render the physical condition of the soil better than that not so treated. The application of moist heat at a high temperature has the effect of digesting a considerable portion of the organic matter in the soil, rendering it more suitable for the action of the bacteria and the assimilation of plant foods so liberated by the plant. This is perhaps of sufficient importance in greenhouse operations to justify the use of the sterilizer even under conditions known to be free from nematodes and other soil troubles.

From what has been said some of the intricate work involved in the transformation of the crude materials of the soil, of plants and animal products into available food for our crops, can be conceived. The natural processes are going on constantly, and man, by a thorough understanding of them, can in a way supplement them and increase their activity. In a great majority of cases the natural processes are beneficial. Only when they become excessive in some particular do they delay or interfere with the preparation and liberation of plant food. The grower should be on the alert to take advantage of every opportunity offered him to supplement and to stimulate the work of nature for his own benefit.

AMONG THE GROWERS

Poehlmann Brothers Company, Morton Grove, Ill.

Anyone wishing to see a thoroughly up-to-date greenhouse establishment would find a visit to the two plants of the Poehlmann Brothers Company at Morton Grove, Ill., both entertaining and profitable, for here is to be seen what is generally conceded to be the best equipped establishment of its kind in America. Though not the largest establishment, even in its own section, the glass area approximates a million square feet, an expanse which may very properly be considered enormous.

Morton Grove is about 15 miles from the city of Chicago, on the Chicago, Milwaukee and St. Paul Railroad. On arrival at the station a visitor has only to cross the railroad tracks to enter the greenhouses. It is better, however, to make for the roadway, when a short walk to the right will bring one to the main entrance to the establishment or rather the part of it known as Plant A, the entrance being in a substantial building recently erected, of which mention will be made later. From this building entry is had to the carnation range which comprises 14 houses, each 600 feet long, and which carries 165,000 plants in the benches, exclusive of stock in course of propagation. The varieties of carnations grown are Enchantress, White and Rose Pink Enchantress, Winsor, Victory, Beacon, Pink, White, and Variegated Lawson, White Perfection, Mabelle, and a few Foreador. The range is at present showing the effect of the recent very heavy cut, but the flowering appearance of the houses is excellent. Winsor is a variety very much liked; Victory is highly esteemed for its vigorous growth and constant flowering qualities, and just now is simply grand. Beacon is benched near Victory, looks exceedingly well, and has yielded very heavily. It



Robert Craig, Essayist

does wonderfully well here and is a favorite. Mrs. T. W. Lawson as seen here is all that could be desired, and does not seem to bear out the views of many other growers this season that it has outlived its usefulness. White Perfection is splendidly grown and is still yielding heavily.

Among a few new varieties under trial this season are Sarah Hill and Winona, which bid fair for extensive benching later. New houses approximating 30,000 square feet are to be added to the range this year.

A view across the range as expressed in a photograph necessarily fails to give an idea of its vast extent, but a view shown of the center crosswalk furnishes an idea of its magnitude, and at the same time shows the pipe system of heating. All the main pipes are covered with magnesia covering and are brass bound, presenting a wonderfully neat and clean appearance.

There are 22 houses of American Beauty roses, the houses running in length from 185 to 400 feet. Many of the houses now show what may be expected in the way of long-stemmed flowers from this time until Easter. The houses containing advanced stock show stems running 8 feet long, and many longer. A view of a house is here presented, showing the great uniformity of growth apparent in all the houses. Within the range of the visitor's eyes is evidence of the removal of the heavy

batch of cutting taken for propagation. A crop of 500 in fair crop from 2-year-old stock has pointed out a selected lot clearing out within a few days, before many more such a large part of the growing policy of the Poehlmann Brothers, no American Beauty took whatever being grown longer than three years. As an evidence of the heavy cutting from the Beauty section the record of the establishment show that last year from March 25 to May 1 the daily cut of long-stemmed flowers, 48 inches and over from one and two-year-old plants, ran from 2,000 to 3,000. There is a house of young American Beauty stock in 3 and 3 1/2 inch pots just potted from 2 inch, and showing a fine healthy rooting; 27,500 rooted cuttings have been potted up to this size already. A 100-foot house of American Beauty roses will be in full crop during the week of the meeting of the American Rose Society in Chicago.

There are three 27x180 foot houses of lilies, multi-florum and giganteum, all in the pink of condition. A daily cut of giganteums is taken from a bench in one of the houses. About 60,000 lily blooms are produced every year from these houses.

In one of the houses used for chrysanthemums is a grand bench of antirrhinum, pink and yellow, now in cut. The stems are long and erect with perfectly formed flower heads.

A house of Asparagus plumosus is a pleasing sight. This house is 50 feet wide, 180 feet long, 24 feet to the ridge. Smilax is also grown extensively in a side house.

A lean-to house is used continuously for forcing lily of the valley. This house furnishes throughout the year a cut which averages 1,500 sprays per day. Other small houses are used for forcing tulips, narcissus, daffodils, and other bulbous stock, and at this time are furnishing some splendid cut flowers.

Plant A is heated by a vacuum system of steam heat. The boiler house is equipped with 9 boilers running from 150 to 200 h. p. A siding at the rear of the boiler house provides for the delivery of coal at the doors, and the storage is so arranged that there is very little handling of the coal from the bins to the boilers. From 2,000 to 3,000 tons of coal are continually in stock. An excellent supply of water is obtained from three wells, the water being blown by compressed air from the wells instead of pumped. A view from the rear of the compressor house and pump room is here shown. In this building is also located the new electric plant, designed to furnish light and power for the establishment. The plant consists of two 230 kw. Thompson-Ryan generators and two McEwan engines. Pipe cutting and fitting is also done in this building, power being used from a water motor which was in use before the electric installation was made.

The handling of manure, hitherto quite a problem here, has recently been satisfactorily solved, and a system installed which reduces the cost to the minimum of economy. The supply of manure comes mainly from the Chicago stockyards, and can only be received in April, May, June and July, mainly on account of a shortage of cars at other seasons, also owing to the yards being frozen up in winter. The weather is usually



Wm. H. Elliott, Essayist



J. A. Valentine, Essayist



J. F. Sullivan, Essayist

Some of the Men Who Will Read Papers at the American Rose Society's Convention, at Chicago, Ill., Next Week

THE FLORISTS' EXCHANGE

warm during the receiving season, and the work of handling the manure is not much appreciated by laborers when other work is available. The system now in use, therefore, was in a measure a born necessity. A crib about 150 feet long has been erected along the railroad spur, to keep the manure off the track and behind which the embanks of manure are discharged. A small power house containing a Flory hoisting engine is located on the other side of the track from which wire cables 100 feet long are strung. On these cables are trolleys carrying huge forks. These forks will pick up from 800 to 1,000 pounds manure at a time. All the laborers have to do is to push the forks into the carload, signal the power house, when the fork load is carried to the dump behind the crib and discharged. This is done at the rate of one fork load per minute. The system has proved a big money saver, eliminating much of the handling necessary when the loads were discharged by hand. Three men now discharge a car at a cost, for labor and steam power, of about \$3 per car, 2½ cars per day. The investment represents an outlay of about \$800. The crib will accommodate about 100 carloads. A view presented herewith shows the system, with the tork and trolley at the left.



14 Plant B. at Pochlmann's.

7. New office and service building just completed by Pochlmann Brothers Company, Plant A.

A glass house accommodates the manure water manufacturing plant. A cement tank 20 feet long, 11 feet wide and 7 feet high is used for mixing purposes. The tank contains three divisions. Manure is emptied into the first chamber and boiled. The contents screen themselves into the middle chamber, whence they again are screened into the third chamber. Here they are well stirred and then allowed to screen into the service vat. The tank is lined with flooring boards, because boiling manure is found to eat out a cement structure. The main object in boiling the manure is to destroy seeds and germs. The service vat is kept well stirred, and a ball valve steam pump nearby distributes the manure water to any desired quarter. All sediment is used in the field for top dressing.

Mention has been made of a new building forming the entrance to the establishment. This is a one-story main structure, with a two-story building at the end for a foreman's residence. It is of pressed Pompeian brick, very substantial, and quite pleasing to the eye in contrast with its surroundings of glass.

Adjacent to the business end of the building is the villa residence of August Pochlmann. The building contains a handsome suite of offices, with separate entrance, commodious vault, an employees' recreation room with lavatory, with other lavatories and shower baths, all fitted with open plumbing of the highest grade.

No other florist's establishment within the writer's knowledge possesses facilities for the comfort of its employees as are to be noticed here.

In the shipping room is to be seen the cold storage quarters. These are quite extensive, and are in a building within a building. The installation comprises three

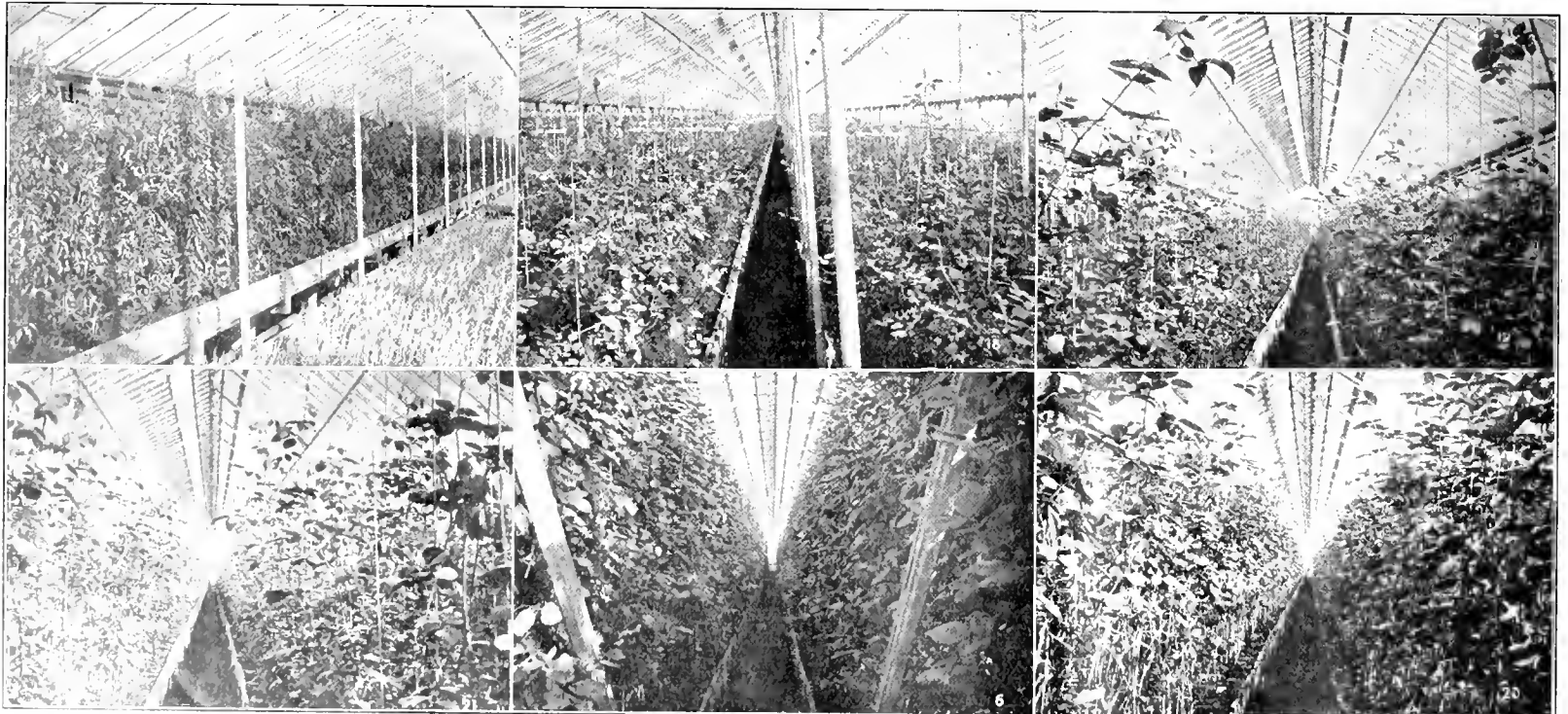
flower storage rooms, each 20 by 18 feet; each has a large calcium tank suspended in the center, with cold pipe coils on the walls. In these rooms a temperature as low as 15 degrees below zero can be obtained if required. The refrigerating plant is contained in a separate apartment and has an ice-making capacity of 25 tons per day, besides taking care of the refrigeration in the cold storage rooms. The plant is operated by electric power obtained from the electric plant before described, the power coming over wires strung on poles.

In addition to the flower rooms there is a special cold storage vault for lily of the valley pips, with a storage capacity of 1,250,000 pips. At the present time there are about 540,000 pips in this vault.

At the time of the writer's visit the hands in the packing room were busy preparing a large shipment of young rose stock for transportation to California. All the flowers cut at Plant A are handled in this shipping

room, whence they go to the company's wholesale house in Chicago, at 33 East Randolph street, in charge of John Pochlmann, and from there are reshipped to the numerous out-of-town customers, and distributed to the local trade.

Plant B, which is in charge of Adolph Pochlmann, who originated the business, is located but a short distance from Plant A. In this plant there are seven 250-foot and twenty-five 350-foot houses, all 27 feet wide. These form two sections, with a continuous passage through the center of each. The houses, with the exception of one or two, are devoted exclusively to the culture of roses, the stock including American Beauty, Pride, Bridesmaid, Minc, Abel Chatteray, Golden Gate, Uncle John, Perle des Jardins, Richmond, Cardinal, Killarney, and Mrs. Potter Palmer. Considerable space is used for the propagation of cuttings, about 200,000 plants being brought to the benching stage every year. This year more grafting has been done than heretofore, but the majority of the young stock is on its own roots. In one of the houses containing young stock is a batch of 3,000 young plants of the new rose Rhea Reid, just received from the disseminators. With the exception of the American Beauty the benched stock runs in age from one to eight years. It is believed here that color can be kept a little better with the older stock. Killarney is seen here grown to perfection; it is liberally benched and several of the benches show the plants with well budded stout stems, five feet tall and more. It is grown from both grafted and own root stock, and while the former is liked the latter seems to do as well. Mrs. Potter Palmer is grown quite extensively, and the company's faith in it increases daily. One house of it presents a particularly fine appearance, and is coming nicely into crop.



15. New saw-hut-ropagon at Pochlmann's Plant A.

16. Half house of Cardinal roses at Pochlmann's Plant B.

18. Half house of rose Mrs. Potter Palmer at Pochlmann's Plant B.

19. Part of house of American Beauty roses at Pochlmann's Plant A. 6 to 8 ft. stems.

17. Benching of rose Cardinal at Pochlmann's Plant B.

20. Half house of rose Killarney at Pochlmann's Plant B. Note the great length of stems. House just coming into crop.

March 21, 1908

There is a fine house of *Adiantum Crenatum* and *concoloratum*, which furnishes a continual cut of fronds.

A novel method of cleaning rose benches has been put into practice here. Compressed air is piped along the center walk and connections are made with the benches. An operator with hose and nozzle can stand at one end of a run and blow all dead leaves from the stock and loose straw from the manure, collecting all at the end of the run by a curtain of canvas stretched at the point beyond which it is not desired to go. A very little time is required to do the work, and the appearance of the houses is wonderfully improved. Views presented herewith show the cleaning of a bench of *American Beauty* and the collection of the leaves by blowing over the plants and under the benches.

The ranges are heated by steam under a high pressure system through 5-inch mains for high and 10-inch mains for low pressure, the latter reducing again to 6-inch. Seven tubular boilers are used, two 200, two 150 and three 100 horse power. Water is obtained from wells, and at certain seasons an auxiliary supply is secured from the river adjacent. The water, as at Plant A, is drawn by the use of compressed air. The distance from the railroad precludes the use of a spur, consequently coal is brought to the storage quarters by wagon. A wagon drives under a platform and the coal is elevated in tubs by a hydraulic crane and placed on tracks which run at the top of the storage bin. This bin is about 155 feet long, 28 feet wide, and 15 feet high. It holds about 1,800 tons of coal when full, as it is now.

There is a commodious packing room from which all stock is shipped, the product of Plant B being all shipped independently of that from Plant A. Near the packing room is a 5-ton ice machine, operated by a steam engine, which furnishes a supply of ice as well as refrigeration for the storage rooms.

J. H. FRAYER.

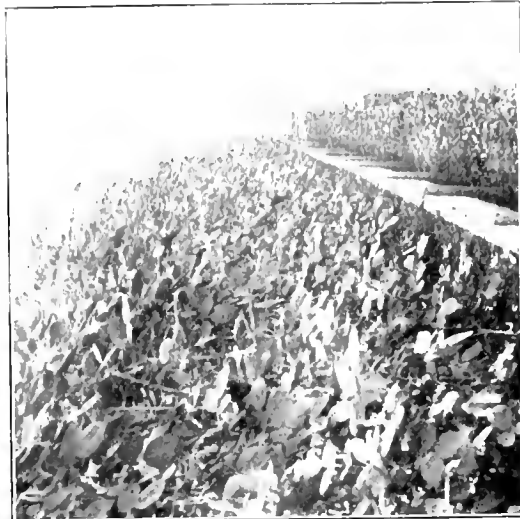
PAMPHLETS RECEIVED.

FOREST PLANTING IN VERMONT is the title of bulletin 132 issued by the Agricultural Experiment Station at Burlington, Vt. The white pine, either in pure plantation or mixed with hard woods such as the hard maple and white ash, is, it is said, the most promising tree for general planting in Vermont. Of the other coniferous trees the red pine, Scotch pine, Norway spruce, European larch, and "white cedar" (*Arbor vitae*) deserve attention. The common locust is recommended as the most promising tree to plant for growing stakes and fence posts; the only serious question is as to possible damage from the borer.

The State Nursery, "in compliance with the law," offers for sale a list of forest tree seedlings. White

seed is also offered. The bulletin states that the sales last Spring exceeded all work then available for distribution and the same amount of sale indicates a good condition for 1908. Arrangements are being contemplated by which the orders for stock of seed and seedlings of larger amounts than the State Nursery can supply are to be referred to commercial nurserymen. The instructions are given as to planting, starting trees from seeds, etc.

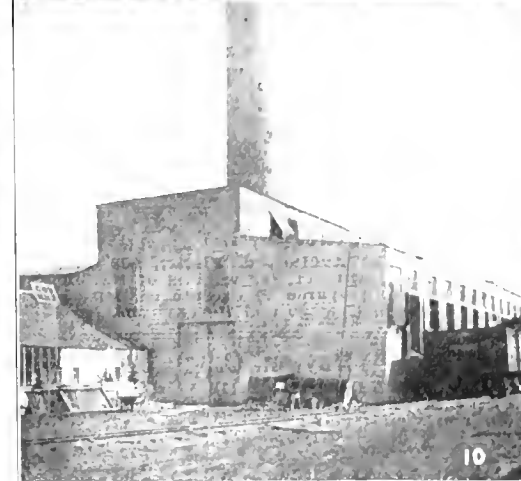
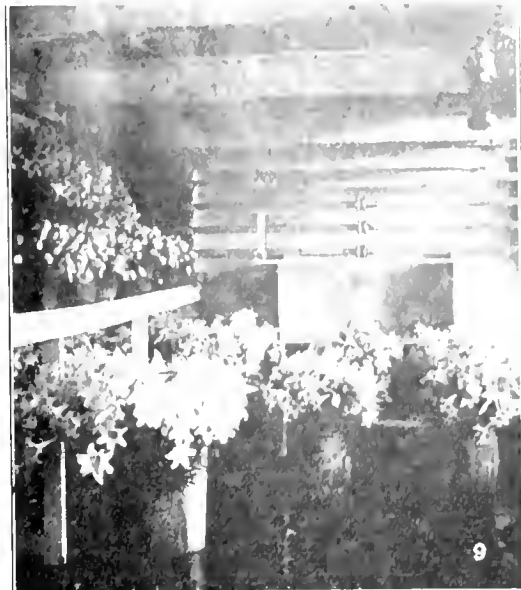
It will be seen that the State Nursery, "in compliance with the law," is doing a good business; and at the outset to the unfair competition it creates, it will



16. At Pochtmann's, Plant B. Collecting point, screened by canvas from large continuation. Showing leaves in walk ready for removal.

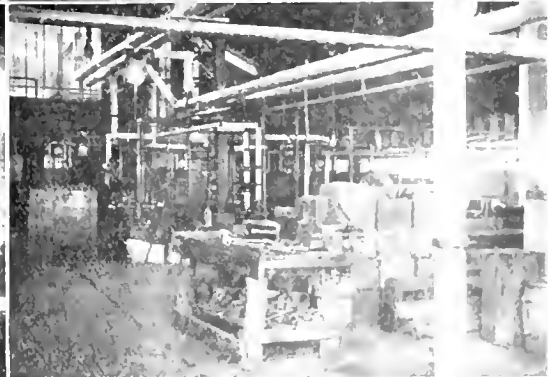
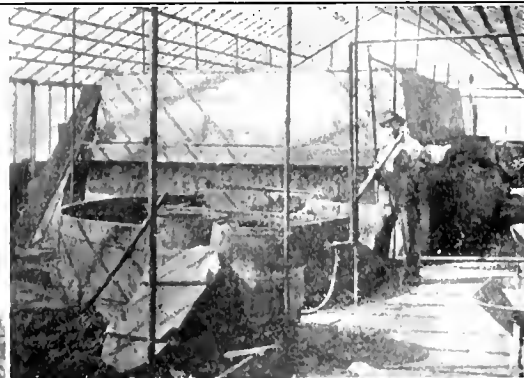
some consolation to the nursery trade to learn that, among others, orders for "larger amounts than the State Nursery can supply" are to be referred to commercial nurserymen.

It does seem anomalous that State Experiment Stations should engage in any commercial enterprise; and as the practice may in time become general, and to the detriment of a legitimate industry, nurserymen would do well to give the matter some attention, and take the steps necessary in the premises.



9. Interior of lower room in cold storage quarters at Pochtmann's, Plant A. Showing refrigerating fittings and tank.

10. Coal is received from cars at the boiler room at Pochtmann's, Plant A.



12. Showing how manure is handled from cars. The fork seen at left on trolley is operated from hoisting engine in small house at right. Three men do unloading with this outfit where twelve were required before. Plant A.

13. Cement manure tank, of Pochtmann's, Plant A, for making liquid manure. Man is keeping screens in receiving vat free.

15. At Pochtmann's, Plant A. Man is keeping screens in receiving vat free.

2. At Pochtmann's, Plant A. Looking along the center walk of the carnation range. This gives an idea of the substantial heating facilities.

8. Cold storage quarters in service building at Pochtmann's, Plant A.

11. Interior of cold storage room at Pochtmann's, Plant A. Showing refrigerating fittings and tank.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLOREST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Our London Letter.

BY A. HEMSLEY.

DINNER TABLE DECORATIONS. A correspondent writes to me from Washington, D. C., asking what are the fashions in floral decorations for dinner tables on special festive occasions. As a few notes may be of interest to other readers of *The Florists' Exchange* I will answer through that medium.

In the first place I may state that some changes take place from year to year, yet one rule that has been followed for some time is the avoidance of a great mixture of different colors. Some particular color is selected. I think taking any one particular color pink has been the greatest favorite, and perhaps yellow of a bronzy shade comes next; but of course these two colors are never used in association with each other.

My correspondent has been informed that pelargoniums (geraniums) are extensively used. This is only partly correct. I have known the ivy-leaved Madame Croisse to be almost exclusively used for extensive decorations, and the soft pink has a very pretty effect. Some of the other soft shades are also in demand for the purpose. Recently when Sir Trevor Lawrence's son was married the bridesmaids carried bouquets consisting chiefly of flowers of zonal pelargoniums, the varieties being King of Denmark and Mrs. H. Cannell. These were the only flowers that could be found to match the dresses and other adornments. On the occasion of the marriage of Miss Botha (sister to General Botha of South African fame) the bride's bouquet was composed chiefly of South African heather, and Ornithogalum lacteum, the latter being imported from the Cape specially for the purpose, and after being cut for four weeks was found to have kept well, and lasted some weeks longer. R. F. Felton, who made the bouquets, tells me that he has kept the ornithogalum for fully ten weeks from the time it was cut. White heather, I may add, has come much into use for wedding bouquets.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

I have got a little away from table decorations; to return to the subject. Sweet peas were very popular last season, sometimes used in two colors. Miss Willmott and the Hon. Mrs. Kenyon formed a favorite blend where two colors were used. The Iceland poppies, in various shades, from pale yellow to deep orange, was one of the few mixtures that found favor. For many of the most important functions pink roses were exclusively used, the varieties Mrs. John Laing, Mme. Caroline Testout, La France, and Mrs. Sharman-Crawford.

Pink Malmaison carnations have been very popular and have often made from 9 to 12 shillings per dozen blooms. Of the American varieties Françoise and Winsor are favorite colors. Other colors, are, of course, used, but not so extensively.

Just now daffodils are much in demand. Yellow roses are often extensively employed, and, of course, the yellow and bronze chrysanthemums serve their turn. At the great exhibition last Autumn the judges showed such a decided preference for the arrangements composed of these colors, that the committee has deemed it advisable to make a separate class for any other colors.

I may here add that where other foliage is allowed, gypsophila, statice and Saponaria vicaria will also be admissible. These small flowers are now so generally used among large ones that many have been led into the error of using them when in competition, where it has been stated that any foliage but no other flowers should be used; and the exhibits have consequently been disqualified, much to the chagrin of the exhibitors.

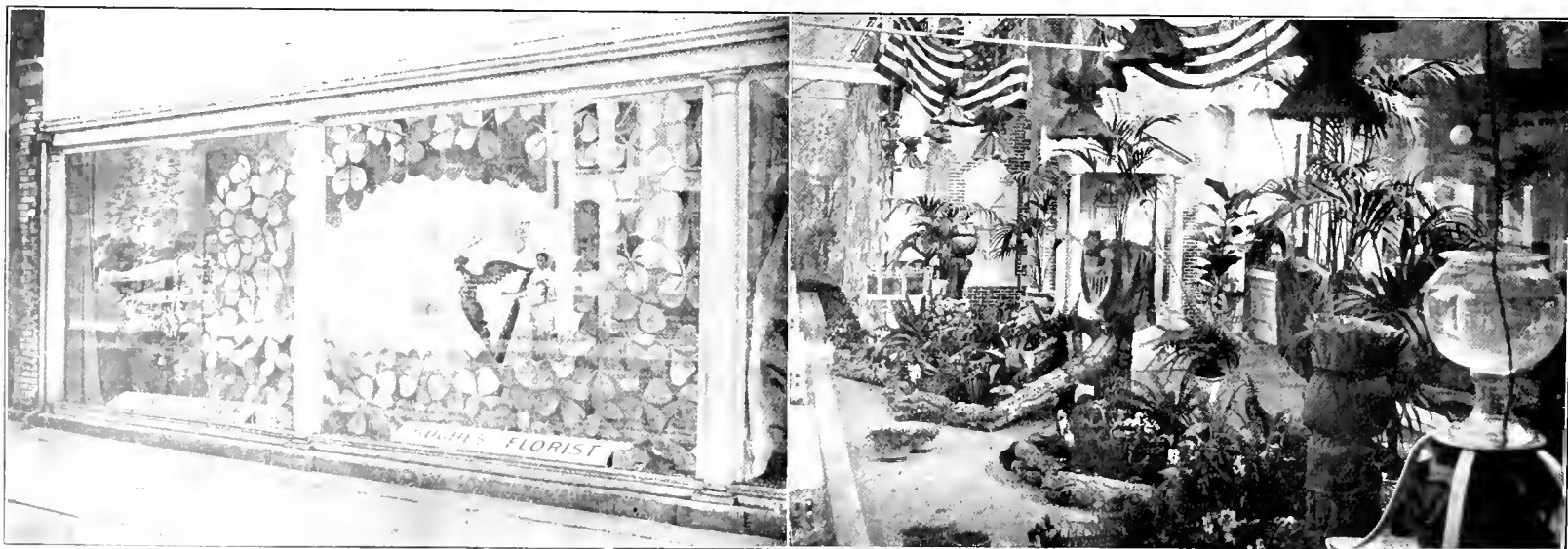
The tall flower stands are now quite out of fashion, and very few pot plants are placed on tables. Most of the arrangements consist of long-stemmed flowers standing up in shallow bowls or short vases.

Several useful wire arrangements for holding the flowers in position are now on the market. "The Corona" flower holder has wires fixed in a heavy base. The flowers can be arranged in this before being placed in a bowl of water, and it can be lifted out when the water requires changing without disarranging the blooms. We also have tubes arranged in clusters to fit into bowls, and circular glass blocks about 1½ to 2 feet thick with numerous holes; these are hardly visible in glass bowls and hold the flowers in position well. They are known as "Japana" flower holders.

For flower show work most of the regular exhibitors have their own particular make of stands. Bamboo stands in various designs are popular. We also have some very neat pot stands for elevating plants. Those of the telescope pattern allow of the plants being adjusted at the exact height required without looking clumsy.

A St. Patrick's Day Window.

St. Patrick's Day is the topic for the window display at the retail flower store of H. R. Hughes, 690 West Van Buren street, Chicago, this week. The large scenic windows carry a design presenting a vista essentially Irish, with green flags upon which harp and shamrock are figured. In the foreground is the figure of a handsome Irish colleen playing a harp. All around and practically framing the vista is a painted setting of shamrocks, exaggerated in size, of course, but admirably adapting itself to the general scheme. In the four store windows, in line with the scenic windows, there is a pretty Spring garden setting, of hyacinths, tulips, daffodils, narcissus, primulas and flowering plants, cork bark being used for the borders of the flower beds.



St. Patrick's Day Window and Store Decoration by H. R. Hughes, Chicago

ROSES

Commercial Rose Growing.

Paper read by Eber Holmes, before Gardeners and Florists' Club of Boston, Tuesday, March 17, 1908.

Let us look for a moment at the rose growing industry twenty years ago that we may better appreciate the situation to-day. We had then such varieties as Papa Gontier, Bennett, Bon Silence, Safrano, Catherine Mermet and other good ones. It cannot be said that these have run out or have deteriorated; they have simply been superseded by better varieties. We had an illustration of this recently in the Safrano exhibited by Mr. Elliott at the Boston show. At that time also we had the old style house, 100 feet long and about 18 feet wide, with wooden walls and benches built up high to bring the plants up to the light. Now we build glass walls and keep the plants nearer the ground.

Factors Making for Improvement.

The question might naturally be asked, to what do you attribute the advance in the quality of roses produced to-day over those of that period? The reply is, first of all, the modern house. If I had to follow the rating given to flowers in the exhibitions, taking 100 as a total, I would give the modern house 40 points. The other 60 I would divide equally among the use of grafted stock, improved methods of growing, and new and better varieties in cultivation to-day.

The Best Style of House.

Taking these points in this order, What is the best house? And another question often asked is, What is the limit of size? We have a house 500x32 feet, even span, continuous ventilation at the top on both sides, containing five benches, which I like very much. It is a very easy house to build and maintain. The width could be increased to 34 or 36 feet at a slight additional cost, and the extra space obtained would be of great value for an extra bench or wider walks. It is an old saying that the best roses grow in the walks, for the more air and light the plants get the better the results.

We have another house 300x54 feet, which I like better, with the possible exception that it is not so easy to make repairs on a high roof as on a lower one. These large houses are easier to heat than the smaller ones. They catch every ray of sunlight in winter, fires can be banked earlier, and started up later than in the small houses. It is no experiment now, but it is a fact that with the larger body of air the temperature does not fluctuate as it does in a small house. We find that our large house runs even on cold nights, with less trouble than smaller ones. With ventilation at the top on both sides, and front ventilators hinged at the bottom so that the air strikes upward instead of directly on the plants, the temperature in warm weather can be controlled in spite of the long stretch of roof. It costs a little more proportionately to build the larger house, for it must be made stronger and braced to withstand any gale that may blow. The steeper the pitch, the greater the resistance, and the large houses are triumphs of the builder's skill.

I think that 60 feet is wide enough for any rose house. The only limits to the length are the size of the field and the purse of the builder. I believe that the largest houses produce the largest flowers, everything else being equal, and no man needs any better argument in favor of this type of house than the fact that men like Elliott and Montgomery, who are the most conservative, and at the same time the most progressive, rose growers we have, after years of experience with large houses, erect larger ones.

Grafting.

Our next consideration is the practice of grafting, so common now in the place of using own root plants. I cannot do better than recommend Montgomery's treatise on grafting to anyone wanting

the subject explained in a digestible manner. I might say, however, buy the best stock obtainable. As soon as received, we unpack and bury in a cold cellar away from frost, first a layer of loam, then one of stock until all are covered, taking it out as required for potting; or it can be heeled in in a cold greenhouse if there is room, and no cellar or shed is available. If you have no cold house in which to start the stock, clean out a part of the benches on the north side in the coldest part of your house and hang up burlap to keep out the sun, but not so as to exclude the air. Keep well damped down and syringed, being careful not to get the roots too wet.

The grafting case, also, if it has to be built in a rose house, should be on the north side or it will be difficult to keep the heat down as the season advances. Cheese cloth makes a good shade for the grafting case; and under these same conditions a cloudy day is to be preferred to a sunny one for this operation. We prefer standing up to a table about the height of a potting bench when grafting. It is as comfortable as the position you must assume when sitting down to this work, and a man can work faster when he does not have to keep changing his position. A good man will graft from 150 to 175 an hour. It is important that the grafts should not be allowed to wilt, but should be placed in the case as quickly as possible, which should be as

others tied down giving an abundance of magnificent flowers. All this goes to show that it is not so much how it is done, as who is doing it. The greatest discoveries of science and manufacturing are sometimes the result of an accident, and this is no less true of some secrets in rose growing to-day. The observant man, in addition to experimenting, will note every detail in the working of his place, and out of some misadventure or disaster to-day will possibly see the way to success later. All men make mistakes; the ones who make the least are the most successful.

There are laws governing plant life and growth which must be obeyed, but the man growing roses for profit, who can distinguish between the superfluous and fundamental, and produce good stock with economy, which is the key-note of commercial success, is well on his way to the top of the ladder.

Soil.

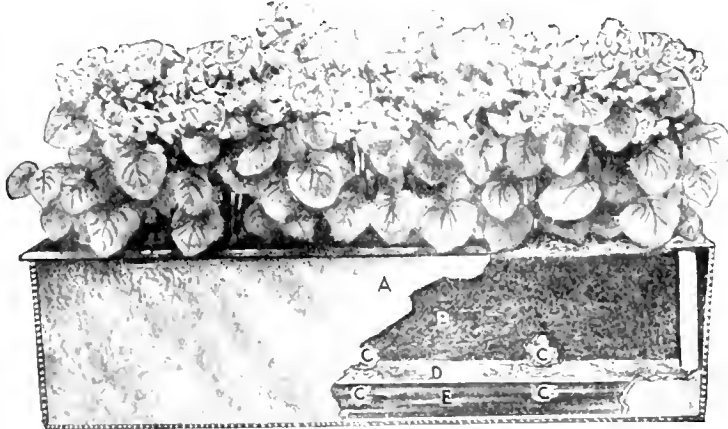
We have used loam for planting after being piled up one, and two years, and have also used it plowed and chopped up in the field one day, and in the house planted the next without any different results. I would, however, prefer four to six inches of sod rotted and chopped up with cow manure. If this has been put together the previous Fall, so much the better, for it is easier to plant in. On large places the old method of piling

It will take one or two men to pile up the plants and knock them out into flour, one with a wagon to cart to the house, where they are to be planted, a couple to dig holes, two good men to plant, and one at least to pound down. Six or eight men working well together will plant 1,000 young plants in a day if the beds are already prepared. In planting, it is well to grade the plants as they are set out of the flats, placing the larger ones in the back row and the smallest in the front. I would not leave too much dish around each plant, as with the frequent syringings necessary at this time, they collect too much water.

Replanting.

In replanting one year or older stock, we use no line or marker, but commence on one end of the house digging up, cleaning out old loam, throwing in new and resetting at one time. We do not like to do more of this than is necessary, for it takes five men a month to go through 10,000 square feet of bench and thoroughly overhaul it, and costs \$1,000. Three years seems to be about the limit of age for profit. It has been said that Richmond should be replanted every year; this is not necessary with us, and others report the same. A feature of Richmond is that while grafted stock makes a larger plant in the Fall, giving one or two crops before the own root plants come into bearing, in the middle of winter the self-rooted stock is livelier than the grafted, and will throw up long shoots from the bottom four to six weeks earlier than the grafted.

(To be continued)



The Illinois Self-Watering Flower Box
Illinois Heater & Mfg. Co., Makers.

air-tight as it can be made, and closed up at once. More plants are killed, perhaps, by improper treatment in the case than in any other way, and there is a good deal in knowing enough to let them alone for the first five days or so if the thermometer reads aright, and the plants look fresh and moist. If, however, the case should be too hot, or dry, or seem too full of moisture, I would not hesitate (with the ventilators in the house closed) to open the case for a few minutes and remedy the defect.

It is important to keep water out of the cut until it has healed thoroughly. We find when buying young stock of new varieties that we often get more than we pay for in the shape of red spider, etc. In this case we always dip small lots as soon as received in tobacco water, or syringe with whale oil soap to which a little nicotine has been added.

Planting.

In regard to the time of planting, I have seen roses successfully transplanted at any time of the year, the earlier the better for young stock. It is simply a question of money and convenience, and on large places the planting covers several months.

It is not necessary for two men to copy each other too closely for each to obtain good results. In fact, this may have been some men's undoing before this. When we find several kinds of loam in one field, what shall we expect in a country as large as this? Remarks written on watering are often misleading, for one soil will use up two or three times more water than another; so in other ways. Take Richmond for example. I have seen it cut down in the summer with splendid results, and thought that was the proper way to treat it after the first year. I have seen the plants left without pruning, standing to the top of the stakes, and also tied down, doing absolutely nothing. I have seen

up soil ahead has given place to the horses and disc harrow in the Spring. The large houses are easier to fill than the old style ones, where a man pushed a wheelbarrow 100 feet or more. A house up to 10 feet wide can easily be filled by removing glass or sash in the sides and driving teams alongside with the loam. Five or six men make a good gang for operating these houses when tilling. With two or three men outdoors loading and unloading the carts, and three or four inside, placing, treading and leveling, good progress will be made. Before tilling, all woodwork should be white-washed, or receive a dusting of air-slacked lime. We also use lime mixed with the soil for planting, and particularly in loam and manure for top dressing. It is a very good and cheap fertilizer and sweetener of the ground, and might be used a great deal more freely than it is.

Before commencing to plant, if the weather is hot, we use a light shade of whitening, syringed on the glass. It is cheap, quick to apply, good for the men and plants, while the work is being done, and can be washed off with the hose if rain does not come in time to take it off.

I do not like a line for planting young stock, as it is in the way and takes too long to move around. We use a marker made of light strips of wood with pegs fastened on. One man can handle it, or two men, one on either side, may work quicker. Being the same width as the bench boards it cannot get out of line, and the distance in the row is obtained by following the end mark every time it is moved. It will make twenty holes every time it is moved and enables a bed to be carried through at once. Team work comes in to good advantage in planting where it is important to transfer them quickly. A good man should be detailed to pick out the stock, for it is useless to waste time on poor plants.

A Self-Watering Flower Box.

Florists generally will be interested in the self-watering flower box which the Illinois Heater and Manufacturing Company, 3916 Wentworth avenue, Chicago, are offering. As the name implies, the box is provided with a self-watering device, which renders attention unnecessary, except at intervals of from ten to twenty days, according to the size of box and atmospheric conditions prevailing during the periods named. The box is made of heavy galvanized iron, pressed and corrugated at the seams, and so carefully soldered that leakage is absolutely impossible a fact which makes the box very desirable for use in the windows of flat buildings and apartment houses, doing away with the usual objections emanating from owners. The top edges are made extra strong by forming them in the shape of a hollow square, and then reinforcing the corners by a patented device. The box for window use is made with the front sloping outward and the back straight, so that it may be accommodated on any ordinary window sill, and a window screen may be raised or lowered without disturbance. It is provided with heavy brass eyelets, for easy and secure attachment in a required position.

The box is finished in a hard and durable enamel of dark green, but is finished in any other color when specially ordered, at a slight extra cost.

The operation is simple. A metal tube in the corner of a box extends from a water reservoir in the bottom upward through the soil to the top of the box. Through this tube water is poured into the reservoir underneath a false bottom (d in cut) which supports the soil. Inserted in holes in the false bottom are sponges (e, e, e) which touch the extreme bottom of the box and extend upward into the soil in which the flowers are planted. The water is drawn upward through these sponges in sufficient quantities to maintain a uniform moisture in the soil, and at the same time sufficient air is supplied with the water to insure to the plants a thrifty and healthy growth.

The box has been in use in different parts of the country for a season or two, and a large and growing business has already been built up. It has been the experience of users that the soil surface never becomes hardened or baked in the slightest degree, and in the construction of the box is a perfect application of the principle and advantage of sub-irrigation. The box is made in a variety of sizes for window use, and is also made in styles suitable for porches, and ornamental purposes. Hanging baskets, flower pots, and jardiniere pans are also made embodying the same principles. The box is a seasonable article, just now, and florists are recommended to write for the illustrated catalogue which the makers are sending out.

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants also of Greenhouse, Land, Second-Hand Materials, etc. For Sale or Rent.

Our charge is 10 cts. per line of 7 words to the line, set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cents per line, count 12 lines agate to the inch.

(If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.) Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—Young lady wishes position in florist store; experienced. Address, W. S., care The Florists' Exchange.

SITUATION WANTED—By first-class salesman and maker-up. Fifteen years' experience. New York City references. Address, W. F., care The Florists' Exchange.

SITUATION WANTED—As foreman or first assistant on good private place. Good experience in all branches. Address, D. D., care The Florists' Exchange.

SITUATION WANTED—By florist, all-around hand in greenhouses; good potter. Sober, references; wishes steady position. German Florist, 150 Central Avenue, Brooklyn, N. Y.

SITUATION WANTED—By a good grower of roses, carnations, chrysanthemums and general stock. Am a hustling, sober all-around man. Address, M. N. O., care The Florists' Exchange.

SITUATION WANTED—By a first assistant gardener on private place; good grower of roses, carnations and chrysanthemums. Single, aged 37. Address, W. X., care The Florists' Exchange.

SITUATION WANTED—A No. 1 head gardener, single, with best of references, wishes permanent position on large estate. Address, H. P. 34, care The Florists' Exchange.

SITUATION WANTED—By Swede, experienced gardener and florist, private place; can take full charge. Twenty years' experience, married, aged 35. Address, J., 17 Hazel Street, Stamford, Conn.

SITUATION WANTED—Swede, aged 30, 15 years' experience inside and out, married, no children; can furnish good references. State full particulars in first letter. Address, W. B., care The Florists' Exchange.

SITUATION WANTED—Foreman's position wanted by married man, 18 years' experience, roses and carnations a specialty. Personal references. State particulars. Address, Hortico, care The Florists' Exchange.

SITUATION WANTED—As head gardener or assistant on large private or commercial place. Austrian, aged 37, first-class landscape gardener, florist and orchid grower. Best of references. Address, W. G., care The Florists' Exchange.

SITUATION WANTED—As foreman, grower, best experience and references. Wholesale or retail. Married. Eastern states preferred. Address, R. G., care Marshall & Company, 144 West 23d street, New York City.

SITUATION WANTED—By single man, German, first-class grower of all kinds of stock and orchids. Wants position on a commercial or private place. Best of references. State wages. Address, X. X., care The Florists' Exchange.

SITUATION WANTED—By European gardener, first-class commercial place, opportunity to learn American cultivation of roses and carnations. One year's experience in America. Ability. References. Address, E. R., P. O. Box 152, Edgewater, N. J.

SITUATION WANTED—As foreman where first-class stock is wanted. A No. 1 propagator of roses, evergreens and all kinds of bulbs and plants. Capable manager of any size of greenhouse and outside. Address, W. X., care The Florists' Exchange.

SITUATION WANTED—By a No. 1 nurseryman and landscape gardener, best of references. From Holland, English and American plants, etc. Will handle help. Address, E. C., care The Florists' Exchange, 46 Hudson Street, New York City.

SITUATIONS WANTED

SITUATION WANTED—As head gardener on private place, 18 years' experience outside and under glass (including fruit under glass). Best references from first-class places in this country and Europe. Aged 34, married, no children. Address, W. L., care The Florists' Exchange.

SITUATION WANTED—Dane, aged 32, 16 years' experience in all kinds of plants, best of references, seeks situation in large, up-to-date establishment where roses and carnations are grown extensively. Vicinity Greater New York or Chicago. Address, M. Z., care The Florists' Exchange.

SITUATION WANTED—As superintendent of park, cemetery or estate, preferably new. Open for engagement April 1. At present superintendent planting and maintaining park in New Jersey. American, aged 30, single; anywhere. Address, W. R. S., care The Florists' Exchange.

SITUATION WANTED—By German gardener and florist, married, 20 years of age, 16 years' experience in landscape gardening and greenhouse cultivation, wishes position as foreman on first-class private or commercial place; good references. Julius Bauer, P. O. Box 207, Bordentown, N. J.

SITUATION WANTED—As foreman, grower wholesale or retail, private or commercial, married, small family. Twenty years' experience; poses a specialty. Best of references, up-to-date producer of best-quality, disengaged April 1 or sooner. State full particulars, wages, etc. in first letter. Address, M. M., care Lock Box 17, Madison, N. J.

SITUATION WANTED—As head gardener on private estate, with 160 experience in European and this country in every branch, including landscape gardening, fruit and vegetable growing outside and under glass. Competent and capable of managing a first-class private estate; strictly sober, honest and trustworthy. Best of references as to character and ability; German, single. Address, W. Z., care The Florists' Exchange.

By competent all-around man as foreman of first-class place where full charge is given. A No. 1 grower of chrysanthemums, carnations, roses, pot plants and nursery stock for high-class retail trade. Long experience in handling men to best advantage. A hustler, American, no drinker. Permanent position, fair treatment and good wages expected. State wages. Address, FAIRFIELD, CONN., HORTICULTURIST.

SITUATION WANTED—As foreman or manager of nursery by competent man who would take stock in good concern later. Twenty years' all-around experience, both under glass and outdoors. Good propagator, good worker; capable of doing all necessary surveying, drawing plans and carrying out landscape work on a large scale. Good at handling men. Position must be permanent and wages good. Address, Landscape, General Delivery, Fairfield, Conn.

HELP WANTED

WANTED—A gardener to force vegetables under glass and grow stock out of doors on shares. Fine chance. Address, Box 40, Kingston, N. J.

WANTED—Young woman with experience would like to know of a good location to run a large Easter business. Address, W. Y., care The Florists' Exchange.

WANTED—Thoroughly experienced gardener for landscape and greenhouse work. Peter Denyse, Jr., 79th Street & 6th Avenue, Brooklyn, N. Y.

WANTED—Bright attractive young lady, one capable of doing first-class designing. Good wages. Apply, Howard P. Kleinhaus, 66 Centre square, Boston, Pa.

WANTED—A good all-around man for greenhouse work, must be competent and understand watering and potting. A. L. Miller, Jamaica Avenue, opp. Schenck Avenue, Brooklyn, N. Y.

WANTED—A young, single man, one who has had experience in greenhouse work and understands bedding plants for steady work. A good chance for advancement. Must be permanent. Send Story, 342 West 14th Street, New York City.

WANTED—First man to grow bedding plants, bulb stock and chrysanthemums, good potter and planter for steady place; good wages for sober industrious man. Cassidy & Sons, Calvary Cemetery, Greenpoint avenue, Long Island City, N. Y.

WANTED—Honest, industrious, temperate, single, English speaking German to grow first-class greenhouse stock for retail trade. State wages expected. Place up-to-date. None but neat and good worker need apply. Address, A. C., care The Florists' Exchange.

WANTED—Competent young man, about twenty years old, for greenhouse on private place and help in flower garden. Must know how to grow roses and exhibition chrysanthemums under glass. State experience and wages wanted. Address, W. X. S., care The Florists' Exchange.

HELP WANTED

LOCAL REPRESENTATIVES WANTED In New York, Boston, Philadelphia, Chicago and St. Louis.

A well-known, long-established, wholesale nursery company which, in addition to its own business, also holds the American agencies for good European seed plants and bulb houses. Would like to secure in each of the above cities a good, hustling representative who is in a position to devote part of his time to calling upon the local trade. State experience and give references. Address, Representative, care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED 200 Vinca Variegata, in 4 in. pots. C. M. Johnson, 1216 North Broad Street, Elizabeth, N. J.

WANTED—Six perfect Specimen Agaves, 10-12 in. pots, 3 feet high. Send prices to Knight & Struck, 1 Madison Avenue, New York City.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

MISCELLANEOUS

VITALITY TESTS of every description promptly made at lowest rates. Blythedale Seed Laboratory, Blythedale, Md.

FOR SALE—File Florists' Exchange (10 years); Rural New Yorker (20 years); Meehan's Monthly; Vick's Monthly. No reasonable offer refused. J. H. Griffin, Lynbrook, L. I., N. Y.

Rather Than Throw Them Away We have some unbound sets of American Gardening, weekly, published in 1895 and '96, which we offer to subscribers in good standing, and will deliver, carriage paid, until sold out, at fifty cents per volume, which amount simply pays the expense of its delivery into your hands.

These volumes contain a vast amount of good practical information, and we thought our subscribers might appreciate them. This is our reason for offering them at postage cost rather than throw them away. They were published during the period that magazine was owned by this company. Cash with order please. A. T. De La Mare, Inc. & Pub. Co., Ltd., No. 2 Duane street, New York City.

A Long Felt Want Supplied

The Greater New York Employment Agency can furnish help of all kinds for florist and greenhouse work. Any national city. Address

A HULSEBOSCH, Prop. 51 Greenwich St., NEW YORK CITY Telephone 4839 Rector

FOR SALE OR RENT

FOR RENT Six greenhouses, three acres fine soil, cheap. Address, William Harris, Arlington, N. J.

FOR SALE—Store and fixtures in a rapidly growing suburban part of Brooklyn. Good will and stock \$150,000. Box 999, care The Florists' Exchange.

FOR SALE—A place of 23 lots, good soil, six greenhouses well stocked and a two-story house, located in a good locality. Good home trade, must sell on account of health. Jan Van Til 66 Grinnell Avenue, Corona, N. Y.

FOR RENT A greenhouse property, six row benches, 100 feet long, new lighting, hot-cold sheds, etc. Fine good soil; near R. R. station. Wm. C. Shuster, Jr., Gardeners, Pa.

GREENHOUSES FOR SALE OR RENT—With apartments (five rooms), two houses, 18 x 150 each, and 20 x 150, 2 1/2 spans, two No. 55 Hitching boilers, all in good condition vacant. City water. Near station, desirable. A. L. Reynolds, Madison, N. J.

FOR SALE—Florist and seed business, store well furnished with ice-box, counters, show cases, seed drawers, etc. Will sell at a reasonable price. Write for particulars to M. Stead, Florist, Broadway & Walker avenue, Woodhaven, L. I., N. Y.

FOR SALE—Will sacrifice my first business on account of health. Fine retail trade for cut flowers, bedding and vegetable plants. A rare bargain if taken at once. Three houses, stocked. Seventeen miles from Philadelphia; small capital required. Possession given in time for Easter trade. Details to parties meaning business. Address, W. O., care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—Old established florists' stand, situated centrally, elevated, subway and surface cars stop at door. Prompt action will enable you to secure good Easter trade. Suitable for other lines of business. Estate of John Morris, 47 Jefferson Market, 6th Avenue opp. 9th Street, New York City.

FOR SALE—Chance of a lifetime. On account of my husband's death, I desire to sell the business and property which consists of eight greenhouses filled with different plants as the market here requires. Also cottage with eight rooms and burn, five acres of land in good condition, besides hotbeds and two hot-water boilers in good condition. If interested, please address, Mrs. Hugo Book, 10 College Street, Worcester, Mass.

FOR SALE—A large, modern and successful floral establishment, the oldest established in the city, carrying a complete line of cut flowers, potted plants, seeds, poultry supplies, etc. This place must be seen to be appreciated, and under proper management is a money-maker. Will be sold at a price that is right. For further information address C. Edwin Oyster, 507-3 Dollar Bank Building, Youngstown, O.

FOR SALE NEAR PHILADELPHIA

Nursery and florist business, convenient railroad facilities, very desirable location, greenhouses 8,000 feet of glass, nine-roomed house with all modern conveniences; stable and all outbuildings new and complete. 30 acres of land, 6 planted to ornamental shrubbery, etc.; the greenhouses are stocked with roses and other stock. Price, \$12,500. A rare chance for the right party. Write for an appointment. Trifler need not apply. Address

NURSERY R. F. D. No. 5, Box 64, Norristown, Pa.

STOCK FOR SALE

GERANIUM AIME SALLEROL, strong, 2 in., ready for 3 in., \$2.00 per 100. Cash, Ellis Brothers & Company, Keene, N. H.

BRENCHLYBENSIS GLADIOLUS, first size, \$8.00 per 1000; Isaac Buchanan, \$25.00 per 1000. Cash with order. Estate of Louis Siebrecht, Floral Park, N. Y.

SALVIA ZURICH, 2 in., \$3.00 per 100; \$25.00 per 1000. R. C., \$1.75 per 100; \$15.00 per 1000. Now ready. The Krenger Brothers Company, Toledo, O.

GERANIUMS, Mme. Sallerol, strong, 2 in., ready for 3 in., \$2.00 per 100. Rooted Cuttings, \$1.00 per 100. Cash, A. Bradshaw, 457 Newark Avenue, Jersey City, N. J.

GIANT PANSY PLANTS (Rupp's Giant selected), strong, from open ground, 75c. per 100, postpaid, per 1000, \$3.00, by express. Miss Ada J. Brooks, Sorrento, Fla.

FOR SALE—One specimen Arca lutescens, \$50.00; one Arca lutescens, \$20.00; two Pandanus affinis, \$10.00 each. Peter Denyse, Jr., 79th Street & 6th Avenue, Brooklyn, N. Y.

DAHLIA ROOTS—Oddly shaped field clumps, Lyndhurst, Mald of Kent, William Agnew, White Swan, Kremlinde, John Walker, Catherine Duor and A. D. Livonia. Write for low prices. Wood & Healey, Hammonton, N. J.

CARNATION CUTTINGS, 30,000 well-rooted, clean cuttings. Eucharitess, Dorothy, Boston Market, Flamingo, Elbon, Robert Craig, White Beauty, Yellow Beauty. Write for special prices. Locust Street Greenhouses, Oxford, Pa.

STRONG stocky plants of Salvia Bonfire and Scarlet Dragon, 50c. per 100; \$4.00 per 1000. Transplanted seedlings of English Polyanthus, \$1.00 per 100, 500 well-rooted Salvered Geraniums for \$5.00, cash with order. R. Powell, Florist, White Plains, N. Y.

SAND-ROOTED CARNATION CUTTINGS, A No. 1 stock, express paid. Victory, \$22.00; Pink Lawson, \$18.00; White Eucharitess, \$48.00; Rose Pink Eucharitess, \$30.00; Windsor, \$48.00; Eucharitess, \$20.00 per 1000. A. Lamb & Son, Highsville, Dutchess County, N. Y.

SEEDS—SEEDS—SEEDS Buckbee's Famous 'Fall of Life' pedigreed strains of the newest and best varieties vegetable and flower seeds, etc. If you have failed to receive a copy of Spring Trade List—write for it to-day. H. W. Buckbee, Rockford, Illinois.

EASTER ANNOUNCEMENT CARDS

We have prepared for the Easter season, six different designs in Easter Announcement Cards, specially for those who sell Easter stock at retail. These Announcements are simple but effective, and very inexpensive. For a set of samples, etc., address

De La Mare P. & P. Co., P. O. Box 1697, New York

Thirty cents is the minimum charge for advertisements on this page.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

FOR SALE

FOR SALE—One 15 h. p. horizontal, one 30 h. p. vertical, one 50 h. p. horizontal, second-hand, tubular boilers. Address, Box 297, Middletown, Del.

FOR SALE—A large consignment of 16x21 double thick American glass A and B quality. For further information write Parschisky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Tobacco dust, 100 pounds in sacks, \$2.50; in case lots about 400 pounds, 2c. per pound. Tobacco stems, in bales \$2.00, about 400 pounds. Cash with order. S. R. Levy, Binghamton, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Relch, 1429 Metropolitan Avenue, Brooklyn, N. Y.

A BIG LOT of 1 1/2 in. Syracuse pots and 5 in. soft machine made 1 1/2 in. at \$2.25 per 1000; 5 in. at \$9.00 per 1000. Cash with order. Willing to exchange for Asparagus Plumosus seedlings for any of the above. Parse Brothers, 52 Ashwood Avenue, Summit, N. J.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 2 1/2 c.; 1 1/2 in. 3 1/2 c.; 1 3/4 in. 4 1/2 c.; 2 in. 5 1/2 c.; 2 1/2 in. 10 c.; 3 in. 14 c.; 4 in. 19 c. per ft. New 2 in. Standard steam, 11 c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1 1/2-1 3/4 in. \$3.00, No. 2 cuts 1 1/4-1 1/2-2 ins. \$4.00; Armstrong Adjustable No. 2 cuts 1 1/2-1 in. \$4.00; No. 3 cuts 1 1/4-1 1/2-2 ins. \$6.50. Second-hand Armstrong, No. 3, \$5.00; No. 2, \$3.00.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, new, round boiler, heating 900 sq. ft. of glass, \$40.00. 1 American Radiator Ideal, eight section water boiler, grate 67 by 49, heat about 15,000 sq. ft. of glass, price \$125.00. The above boilers are guaranteed to be in good condition. We have other sizes and makes; write for prices.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 30c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 14 in., grips 1 1/2 in., \$1.40; 18 in., grips 2 in., \$1.40; 24 in., grips 2 1/2 in., \$2.10; 36 in., grips 3 1/2 in., \$4.20. Chain wrench grips, 6 in. \$4.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$3.50.

GARDEN HOSE 50 ft. lengths 3/4 in., guaranteed, anted, 8 1/2 c.; for heavy work, guaranteed, 12 1/2 c.

HOT-BED SASH New; Gulf Cypress, 3 ft x 6 ft, 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS "In lots of 10 boxes." New American, 50 ft. to the box. 10x12 single at \$1.50 per box, 12x14 to 12x20 and 14x14 to 14x20, 16x16 and 16x18, B double, \$2.40 per box, 16x20 and 16x24, B double, \$3.52 per box. Discount in large quantities.

PECKY CYPRESS \$25.00 per 1000. We can furnish everything in new material to erect any alze house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers 1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

FOR SALE

FOR SALE—Second-hand boilers One No. 5 Weathered, capacity 1,000 feet, 4 inch pipe, one No. 5 Hitchings, capacity 900 feet 4 inch pipe; one No. 57 Hitchings sectional, capacity 2,600 feet, two eight sectional Weathered boilers. Write for information and prices Wm. H. Linton, opp. West Side Avenue Station (C. R. I. of N. J.), Jersey City, N. J. Telephone 412 Bergen.

SIFTED LEAF MOLD, \$1.00 per barrel, orchid heat in lumps, \$1.75 per barrel, laurel toping well made, \$4 per 100 yards, Laurel branches, 50c., large bunch, fancy ferns, \$1.00 per 1000, head lettuce plants, \$1.00 per 1000, ready now. Also pepper, sweet potato and tomato plants after March 20; best variety in quantity. Carina Roots, Elsie, Polytine and Crozy, \$1.50 per 100. Best Jersey Marl in sacks, best thing for lawns, \$5.00 per ton. Will exchange for Vinca variegata white geraniums or carnation rooted cuttings, hardy perennials, shrubs. Buy from first hands, save that middle profit for yourself. Cash with order. L. Pope & Son, Barnsboro, N. J.

FOR SALE

One No. 64 Niagara Boiler, round fire pot sectional type, capacity 1200 sq. ft. hot water. Boiler in perfect condition guaranteed. Bargain \$60.00. JOHN A. SCOLLAY, 74-76 Myrtle Avenue, Borough of Brooklyn, New York.

FOR SALE, santolinas 2 in. pots, \$20.00 per 1000; rooted cuttings, \$10.00 per 1000; Double Alyssum, 2 in., \$20.00 per 1000, Double Red Geraniums, 2 in., mostly Grant and Nutt, \$20.00 per 1000; Double etunias, mixed, 2 in., \$2.00 per 100; Mrs. T. W. Lawson shifted from 2 in. pots to flats, \$2.00 per 100; Asparagus Plumosus 2 in., ready for 3 in., \$5.00 per 100; Pteris Ferns, fine stock, 2 in., \$3.00 per 100. All fine stock. Cash with order. M. & S. L. DYSINGER, Albion, Mich.

CYCLAMEN

Splendens Giganteum Hybrids Finest strain in the world. Perfect flowers of Giant type in 5 true colors twice transplanted from flats, \$3.00 per 100, \$25.00 per 1000. Asparagus Plumosus Nanus Special offer from 2 1/4 in. pots, \$3.00 per 100, from 3 in. pots, \$5.00 per 100. Cannas Started from Sandbed Alph. Bouvier, Chas. Henderson, Chicago, Papa, Florence, Vaughan, Egandale, J. D. Cabos, Queen Charlotte, \$3.00 per 100, \$25.00 per 1000. Cineraria Hybrida Maxima Grandiflora From 2 1/4 in. pots \$2.50; from 3 in. pots, \$4.00 per 100. SATISFACTION GUARANTEED PAUL MADER, East Stroudsburg, Pa.

PREPARE FOR EASTER



An immense stock of choice Easter Plants, blooming Easter week or earlier if desired, are now ready for immediate shipment.

Never mind about that nonsense hard time talk. Everybody wants plants for Easter. Wake up; open your eyes; success sure to come. Come and see our activity in shipping azaleas and other plants. Will you follow? Now is the time to order while our stock is large. All get served alike—the man who comes right here to the spot or the party who buys by mail. Don't forget, we have the best Azaleas and Lilies this year in the market, and no joke about it. Our reputation from Atlantic to Pacific in shipping Easter plants for the wholesale market the last twenty years is sufficient ground that we mean business, and have what we advertise.

Have Azalea India to beat the band. We take the lead in the American market for them. We never see a new one this year good foliage well leaved. We make a specialty of importing every year an immense stock of the choicest varieties popular in America, grown under contract for us by an azalea specialist in Ghent, Belgium. If you need azaleas, do not look in vain around the country for bargains, but come or write direct to us. We will be able to supply you with the best obtainable for the American market, in medium sizes, full of buds, in good healthy condition, right for Easter.

All our azaleas are planted in 6 and 7 in. pots as soon as they arrive in October from Belgium. In justice to all our azalea buyers, we do not sell any in the Fall having the best picked out for Fall trade, but keep them all for Christmas and Easter orders. We have a whole house full of Mme. Van der Cruyssen (best double pink) that makes your mouth water, all as round as an apple, covered with buds, 50c., 75c., \$1.00, \$1.25, \$1.50, \$1.75 and \$2.00 each. Next we have Simon Mardner (double pink), Veraneana (rose variegated double), Deutsche Perle (white), Niebe (double white), Bernard Andrew alba (double white), Prof. Wolters, Empress of India (double variegated), Apollo (red), and about 6 more varieties. Price: 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75 and \$2.00 each. Only large sizes of Bernard Andrew alba, in 60c. size and upward, we can only supply Van der Cruyssen, Veraneana, Deutsche Perle and Simon Mardner; other varieties 75c., \$1.00, \$1.25, \$1.50 to \$2.00.

All goods must travel at purchaser's risk. To save express charges, please mention if plants are to be shipped in or out of pots, cash with order please. Strictly no return cases can be investigated in such busy shipping seasons.

Easter Lilies, for a Multi-bloomed variety, their buds to be in bud in a single day. Have you bought any yet?

Chloranthus Hyb. Grandiflora, the improved strain, \$2.00 per 100, 6 in. pots, \$4.00, \$5.00 per doz. Right for Easter. In bud, partly open, \$2.00 per doz. pots.

Hyacinths of my own importation, raised from the 1850s, early King of the Blues, Earl King, Giant Mastro, lavender blue, Gertrude, pink, La Grandis, white, 1 in. pots, \$12.00 per 100. My hyacinths cannot be compared with those raised from poor, cheap bulbs flooding the market.

Tounezel Tulips. This variety is the best double red and yellow variegated, and sells at sight. It is valuable because it will remain open in good condition for 10 days. Price: 3 in. pots, \$1.50 per doz.; 4 in. pots, \$2.00 per doz.

Van Zee Daffodils. This is the best double yellow narcissus on the market good yellow double nosed bulbs planted in 4 in. pots, 7, 5, 6 in. pots, price \$2.00, \$2.50 to \$3.00 per dozen pots.

Moon Vines, or the well-known Ipomoea Moltiflora, which produces flowers as big as a saucer, free bloomer, very fragrant, and for which I have a reputation as grower and shipper all over the country for the last twenty years, now ready, 2 1/2 in. pots, \$5.00 per 100.

Araucaria Robusta, Compacta, and Excelsa. A perfect model of nature. We are one of the best importers and growers of this beautiful decorative plant in the Aracaria. Price: 6 1/2 in. pots, 6 year old, 14 1/2 lbs., 28 to 40 in. in height, the same in width only \$1.00; 6 1/2 in. pots, 6 year old, 14 1/2 lbs., 25 to 28 in. in height, \$2.00 and \$2.50; 6 1/2 in. pots, 5 year old, 7-8 lbs., 18 to 25 in. in height, \$1.50 to \$1.75; Excelsa, 6 in. pots, 5 year old, 7 lbs., 22 to 25 in. in height, \$1.00; 6 in. pots, 1 1/2 years old, 1 1/2 lbs., 18 to 22 in. in height, 75c.; 2 year old, 1 1/2 lbs., nice little plants, 68 in. in height, 40c.; 2 1/2 in. pots, 3 to 4 lbs., \$1.00 in. in height, 40c. and 50c. each.

Ferns. Raised in pots, not lifted from benches. Nephrolepis Scottii, 6 in. pots, 50c. to 75c.; 7 in. pots, \$1.00 each.

Nephrolepis Piersoni, 5 1/2, 6 in. pots, 25c. to 50c.

Nephrolepis Bostoniensis, 8 in. pots, made up of three plants as big as a washpot, \$1.25 to \$1.50; 7 in. pots, 75c. to \$1.00; 6 in. pots, 50c. to 75c. in pots, 50c. to 75c.

Nephrolepis Whitmani, 8 in. pots, as big as a washpot, \$1.25 to \$1.50; 6 in. pots, 50c. to 75c.; 4 in. pots, 25c.

Ferns for Dishes, 3 in. pots, 7c. each. Amerpelli, the new fern, 5 1/2 in. pots, 50c. and 60c.

Kentia Fosteriana and Belmoreana, 4 in. pots, 8 to 20 in. high, 35c. to 50c.; 5 1/2 in. and 6 in. pots, bushy, stocky plants, 50c., 60c., and 75c.

Lantana Borbonica, 5 in. pots, 30c.

Coccoloba Weddelliana, 3 in. pots, 10 to 12 1/2 in. high, 35c.

Ficus Elastica or Rubber Plants, home grown and Belgium stock, 18 to 20 in. in height, 50c. to 6 in. pots, 25c., 35c., 40c., 50c., 60c., each; 7 in. pots, 75c.

Begonia Flambeau, sells at sight, 5 1/2 in. pots, 25c.

Begonia, new improved Erfordi, 1 in. strong 20c., 3 in. 25c. each.

Primula abconica, in bloom, 7 1/2 in. pots, 25c. each.

Cyclamen giganteum, in bud and bloom, 1 in. pots, 25c. to 35c. each.

Hydrangea Otakisa. This is the best pink variety, already in bud, just right for Easter, 6 to 7 in. pots, 25c., 50c., 75c., \$1.00 each.

Spirea Gladstone. We offer only large stock our own importation, 6 1/2 in. pots, in bud now, just right for Easter, 50c. to 75c. each.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants. 1012 W. ONTARIO ST. PHILADELPHIA, PA.

PLANTS FOR 2cts.

- Asparagus Sprengerii, 2 in. pots, Swainsona alba, 2 in. pots, Ferns, Impatiens, Feverfew, Heliotrope, Cuphea, celens, White Ageratum, 2 in. pots, Rose geraniums, 2 in. pots. FEVERFEW, double white, nice young plants, 50c. per 100. SINGLE HOLLYHOCKS, nobel, 2 1/2 c. ASSETS, various colors, 10c. per 100. Rooted Cuttings below prepared per 100. Pelonia, double, 10 kinds, \$1.00, Swainsona Alba, \$1.00, Cuphea, 2 kinds, Heliotrope, 2 kinds, \$1.00, Vinca Variegata, 2 kinds, \$1.25, Paris Daisy, 2 kinds, \$1.00, Flowering Begonias, \$1.25, Celens, 10 kinds, 60c., Hardy Pinks, 5 kinds, 75c., Ageratum, humiliated, 2 kinds, 60c., Aftersnathera, 2 kinds, 75c., Salvia, Roman, 20c., Feverfew, Gem, \$1.00, Impatiens, \$1.00, Parlor Ivy, 75c. Cash or C. O. D.



In all business transactions I desire to express my appreciation of the excellence of your work and the honesty and courtesy of your methods. We believe that we have met the best prices in the South and any time that you need a good deal of help you will find it here. With the best regards and best wishes for you and your family, I remain, Dear Sir, Yours truly, W. M. PEARCE, GEORGE PEARCE, Orange, N.C.



House of Cheerful Pink Rose, WYNDMOOR, that blooms Spring, Summer, Autumn and Winter. To be exhibited at the Chicago Rose Show, Grown by MYERS & SAMTMAN, CHESTNUT HILL, PA.

WINONA

The True Pink Carnation, for 1908.

A color that attracts attention.
Once seen, always wanted

Comes nearest to Flancee, but is a different type flower. Never Bursts—Every Calyx Perfect. Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock, clean and healthy. Will guarantee every cutting to be first-class. Order now for early delivery. Price, \$12.00 per 100; \$100.00 per 1000. Larger lots, prices on application. With our additional glass we have more than doubled our stock our stock of Carnation plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER:

RED CHIEF, bright scarlet	100 1000	ROSE-PINK ENCHANTRESS, pink	100 1000
BONNIE MAID, pink, edged white	\$5.00 \$40.00	ENCHANTRESS, light pink	\$3.00 \$25.00
ARISTOCRAT, cerise	5.00 40.00	LADY BOUNTIFUL, white	3.00 25.00
WINSOR, pink	6.00 50.00	VICTORY, scarlet	3.00 25.00
BEACON, orange scarlet	6.00 50.00	DOROTHY WHITNEY, yellow	4.00 30.00
WHITE ENCHANTRESS, white	6.00 50.00	MRS. PATTEN, variegated	3.00
WHITE PERFECTION, pure white	3.00 25.00	HARRY FENN, crimson	3.00

F. DORNER & SONS CO., Lafayette, Ind.

THE NEW LIGHT PINK CARNATION MAY

You will find in this variety one which you will want to grow in large quantity after you give it a trial. It is one of the few varieties when come in early and keep continually at it until transplanting time. The color is better than Enchantress and the bloom is better than Fair Maid and it is freer than either of them.

We are now seeding out fine strong, well-rooted cuttings. Let's have your order now. \$12.00 per 100; \$100.00 per 1000.

Also other new and standard sorts. All the best varieties at current prices. Our stock is in prime condition.

BAUR & SMITH

38th St. @ Senate Ave., - - - INDIANAPOLIS, IND.

Strong, Well Rooted, Healthy Carnation Cuttings

Imperial Var.	100 1000	The Queen	100 1000
Winsor	\$6.00 \$50.00	Boston Market	1.50 15.00
Aristocrat	5.00 50.00	Abundance	1.50 15.00
Victory	3.00 25.00	Lawson Pink	1.50 15.00
Robert Craig	2.50 20.00	Goethe	1.50 15.00
Manley	1.80 15.00		

If more than 1000 wanted write for reduction.

C. F. BERTANZEL, - Roslyn, L. I.

100,000 STRONG, WELL-ROOTED CARNATION CUTTINGS

READY NOW OF Enchantress, Boston Market, Mrs. T. W. Lawson

If you desire well-rooted cuttings, free from disease, cool crown and vigorous, and that are guaranteed to give satisfaction as to quality and to please you as to prices, then write me, for it will pay you.

A. F. LONGREN, Des Plaines, Ill. Headquarters for all desirable varieties of Carnation Cuttings.

HEADQUARTERS IN WESTERN NEW YORK

	Per 100	Per 1000
25000 Winsor	\$6.00	\$50.00
25000 White Enchantress	6.00	50.00
10000 Enchantress	2.50	20.00
1000 Monrovia Chrysanthemums, R. C.	\$15.00	

IMMEDIATE DELIVERY.

Splendid stock. Satisfaction guaranteed. Other varieties on application. We are satisfying others, why not you?

WHITE BROS., Gasport, N. Y.

CARNATIONS

	100	1000
White Enchantress	\$5.00	\$45.00
Rose Pink Enchantress	2.50	22.50
Enchantress	2.00	18.00
Victory	2.25	20.00
Harlowarden	1.50	15.00

	Per 100
White Swan	\$5.00
Prince Blomack	5.00
Clifford Brutton	5.00
Glowing Coal	5.00

KRAMER BROS. FARMINGDALE, L. I., N. Y.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.

White Lawson, Lady Bountiful	\$2.50 per 100; \$20.00 per 1000.
Queen, Boston Market, Pink Lawson, H. Goddard	\$1.50 per 100; \$15.00 per 1000.
Victory	\$3.00 per 100; \$25.00 per 1000.
Craig	\$2.50 per 100; \$20.00 per 1000.
Cardinal	\$2.00 per 100; \$17.50 per 1000.
Harlowarden	\$1.50 per 100; \$15 per 1000.
Enchantress	\$2.00 per 100; \$18 per 1000.
White Perfection	\$2.50 per 100; \$22.50 per 1000.

Cash with order or satisfactory references. SMITH & GANNETT, Geneva, N. Y.

CARNATION CUTTINGS

	100	1000
White Perfection	\$3.00	\$25.00
Enchantress	2.00	15.00
Rose Pink Enchantress	3.00	25.00
Pink Lawson	1.75	15.00
Robt. Craig	3.00	25.00
Harlowarden	1.75	15.00
Vesper	2.00	15.00
Marion	1.75	15.00
Prosperity	1.75	15.00
Patten	1.75	15.00
Lady Bountiful	3.00	25.00

Miami Floral Co., DAYTON, OHIO

PLANT CULTURE

PRICE \$1.00
A. T. DE LA MARE PTG. & PUB. CO., Ltd.
2 Duane Street, New York

Rooted CARNATION Cuttings

CUTTINGS are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

WHITE:	100	1000
WHITE PERFECTION	\$3.00	\$25.00
WHITE LAWSON	2.00	18.00
QUEEN LOUISE	2.00	18.00
PINK:		
WINSOR	8.00	50.00
ARISTOCRAT	6.00	50.00
PINK IMPERIAL	6.00	50.00
ROSE PINK ENCHANTRESS	3.50	30.00
ENCHANTRESS	2.50	20.00
HELEN GODDARD	2.50	20.00
LAWSON	2.00	18.00
RED:		
BEACON	6.00	50.00
VICTORY	3.00	25.00
ROBT. CRAIG	3.00	25.00
CRIMSON:		
HARLOWARDEN	2.00	18.00
VARIEGATED:		
MRS. PATTEN	2.50	20.00

Add \$1.00 per 100, \$10.00 per 1000, to above prices for 2-in. pot plants.

RECENT INTRODUCTIONS

AFTERGLOW \$12.00 per 100
LLOYD (from 2-in. pots)
"SPLENDOR" (Stevenson Bros.), a very promising variety, \$10.00 per 100; \$75.00 per 1000. Prompt delivery.

S. J. REUTER & SON, Inc., Westerly, R. I.

NOW READY Well Rooted Carnation Cuttings From Healthy Stock

	100	1000
Enchantress	\$2.50	\$20.00
Boston Market	1.50	12.00
Mrs. T. W. Lawson	1.50	12.00
Red Lawson	2.50	20.00
Winsor	6.00	50.00
Robert Craig	3.00	25.00
Queen Louise	1.50	12.00
White Enchantress	6.00	50.00

Cash with order.

A. N. KINNEY

West 200th St. and Fort Washington Av. NEW YORK CITY

JOHN E. HAINES BETHLEHEM, PA.

Is the place to order rooted cuttings of the following varieties for 1908:

John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000

Place orders early for December delivery.

CARNATIONS ROOTED CUTTINGS

	100	1000
The Queen, Best com. white	\$1.50	\$12.50
Harlowarden, Best crimson	1.50	12.50
Mrs. Patten, Best Var.	2.00	18.00
Lady Bountiful	3.00	25.00
Enchantress	2.50	20.00

S. G. BENJAMIN, FISHKILL, N. Y.

ANNOUNCEMENT

Our new seedling carnation TOREADOR will not be disseminated until January, 1909. For further particulars address

The H. Weber & Sons Co., OAKLAND, MD.

FIRES.

NORWOOD, R. I.—Early in the morning of Tuesday, March 3, fire completely destroyed the office and heating plant of the Norwood Floral Company's greenhouses on Pawtuxet avenue. An alarm was sounded on the church bell that brought out a large number of men with buckets and a few hand chemical extinguishers. The village has no fire apparatus. The fire had gained considerable headway before it was discovered. All that could be done by the volunteer firemen was to prevent the flames from spreading to the greenhouses adjoining the office on either side. The loss on the flowers will be heavy, as the heat and smoke killed most of the contents of the two houses. Two other houses that were out of danger from the fire are left without means to heat them.

Nathao D. Pierce, agent of the Norwood Floral Company, could not say what the loss would be. He had a large number of cut carnations ready for marketing; these were all destroyed. The loss on the building, which is owned by Louis D. Pierce, is about \$1,000.

It is not known how the fire originated, but it is thought to have started from the boiler leaking dry and becoming overheated, setting fire to the woodwork overhead.

ASBURY PARK, N. J.—John Bennett, a florist at Hillside, a small village just outside of Atlantic Highlands, escaped death Friday night, March 6, by a narrow margin. He was fighting a fire in his greenhouse plant and had just left the place when an explosion occurred that wrecked the buildings and shattered all that was fragile in the residence near at hand. It was in the basement, near the boiler room that the fire broke out. Over the boiler room is the office and in this was a box containing somewhat less than 50 pounds of dynamite, which Mr. Bennett had tried to use in work in a gravel pit and in uprooting stumps of trees. He had never been able to explode any of it and thought that it was worthless, so it was laid away in the office. He had forgotten about it and at the time the explosion occurred he thought it was the bursting of the boiler. The greenhouses are a total wreck. The loss, according to Mr. Bennett's computation, will be over \$5,000.

PROVIDENCE, R. I.—On Tuesday, March 10, a fire was discovered in the cellar of the florist establishment of T. F. Keller, 190 Mathewson street. The fire appeared to have started near the furnace. The damage to the store will amount to several hundred dollars.

CHICAGO.—On March 10, fire at the greenhouse plant of Jacob Phillips, Tonby and Northwestern avenues, did damage to the extent of \$10,000.

Cincinnati.

News Notes.

The past week has certainly been slow, until Saturday, the 14th inst., when it took a turn for the better and the wholesale men were enabled to unload a large quantity of stock to the street vendors. No use talking, they are a godsend at times and a nuisance at other times. It now looks as if the worst of the glut was over. St. Patrick's Day added a little stimulus to trade, and all carnations of March 16 were cleaned up, especially Enchantress and white, as both "green up" splendidly.

C. E. Weltz, Wilmington, O., and J. T. Hardegen, Aurora, Ind., were callers.

I was out at Eden Park Greenhouses with Superintendent Rodgers on the 11th inst., and must say I never before saw stock of all kinds in so good a condition. David Knott certainly is the right man in the right place. E. G. G.

Introducers and growers of carnations who supply the trade with rooted cuttings will find this a very favorable time for placing an advertisement in THE FLORISTS' EXCHANGE.

Carnation Cuttings

All Stock Must make room. Queen Louise and Harlowarden, \$7.50 per 1000. Cash with order please.

JACOB KOL, Florist, East Nutley, N. J.

CARNATIONS

Rooted Cuttings; Fine Healthy Stock.
READY NOW:
 Winsor \$6.00 \$50.00
 White Enchantress 6.00 50.00
 Helen M. Gould and Beacon 6.00
 Melody 4.00
 Dabehn 3.00
 Enchantress, Lady Bountiful,
 Red Lawson, Variegated Law-
 son, and White Lawson 3.00 25.00
 Have a few hundred in 4 and 5 in. pots
 of above varieties. Write for list.

ASPARAGUS

100
 Sprenger, from 3 in. pots \$5.00
 Plumose Nanns, from 3 in. pots 6.00

VERBENAS

100 1000
 Best Mammoth \$1.00 \$8.00

CANNAS

Strong Dormant Roots in 30 varieties,
 \$2.00 and \$3.00 per 100; \$18.00 and \$25.00
 per 1000.

ROSES

Grafted and Own Roots, orders booked for
 early delivery.
 Killarney, Richmond, Kaiserin, Carnot,
 Bride, Bridesmaid, Golden Gate, Perles,
 Sunrise, Sunset, etc.

Rooted **Chrysanthemums** Cuttings
 50 fine varieties; \$1.50 and \$2.00 per 100.
 Send for list.

MISCELLANEOUS

100 1000
 Ageratum, Cope's Pet, White
 top, P. Pauline, S. Gurney, L.
 Bonnett \$1.00 \$8.00
 Achyranthes, best varieties 1.00 8.00
 Ampelopsis Veitchii, pot grown 8.00
 Coleus, best bedding and fancy
 sorts 1.00 8.00
 Cuphea Platycentra 1.25
 Fuchsia, double and single 2.00 15.00
 Feverfew, double white 1.50 12.00
 Geraniums, best double and single
 2.00 15.00
 Heliotrope, light and dark 1.25 10.00
 Ivy, German 1.50
 Moon Vine, true, white 2.00 15.00
 Silvia Splendens and Bedman 1.25 10.00
 Salvin, Five early-flowering sorts 1.50 12.00
 English Ivy, 2 1/2 in. pots 3.00
 Lantanas, 2 1/2 in. pots 4.00
 Vinca, 1 year, strong 10.00
 Vinca, 2 1/2 in. pots, strong 4.00

WOOD BROTHERS FISHKILL N. Y.

Split Carnations

Easily, nicely and quickly mended; no tools
 required, with
 Pillsbury's Carnation Staple
 Send 50c. for sample 1000. Try them; if
 not perfectly satisfactory, return them and
 your money will be refunded.

I. L. PILLSBURY, Galesburg, Ill.

CARNATIONS

ROOTED CUTTINGS of all the new and
 standard market varieties. Send for price list.
WM. SWAYNE
 BOX 226 KENNETT SQUARE, PA.

CARNATION CUTTINGS AND PLANTS

ONLY THE BEST VARIETIES
 SEND FOR OUR LIST
Chicago Carnation Co.
 A. T. PYFER, Mgr. JOLIET, ILL.

CARNATIONS

White Enchantress, Beacon, Winsor
 Now Ready. Strong rooted cuttings. \$6.00 per
 100, \$50.00 per 1000
S. S. SKIDELSKY
 1741 No. 18th St., PHILADELPHIA

White Enchantress	100	1000
Winsor	\$6.00	\$50.00
Beacon	6.00	50.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Enchantress	2.50	22.50
Lady Bountiful	2.50	20.00
Healthy Rooted Cuttings.		
SCRANTON FLORIST SUPPLY CO.,	Scranton, Pa.	

THE NEW CARNATION

Afterglow

Winner of the following prizes at the Washington Exhibition of the A. C. S. held last week:
 The A. C. S. Silver Medal.
 The Silver Cup, offered by W. J. Vonderheide for the best 100 blooms of any variety to be disseminated in 1908.
 The S. A. F. Bronze Medal, for best 100 blooms of Law-son shade of pink. Also awarded
GOLD MEDAL by the Rhode Island Horticultural Society at Providence, Nov., 1907. (Exhibited by Wm. Nicholson)
FIRST PRIZE by the St. Louis Horticultural Society at St. Louis, Mo., Nov., 1907. (Exhibited by E. G. Hill Co.)
CRAIG SILVER CUP by the Pennsylvania Horticultural Society at Philadelphia, Nov., 1907. (Exhibited by Dailedouze Bros.)
FIRST PRIZE by the State Florists' Association of Indiana at Indianapolis, Nov., 1907. (Exhibited by the Originator)
SCORED the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S., Jan., 1907, after arriving 24 hours late from Framingham, Mass.
ASIDE from these honors, the fact that it has been grown successfully wherever it has been tried, is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation, for well grown, well rooted cuttings at
\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000.
WILLIAM NICHOLSON, THE E. G. HILL CO., DAILLEDOUZE BROS., R. WITTERSTAETTER,
 Framingham, Mass. Richmond, Ind. Flatbush, Brooklyn, N. Y. Originator, Sta. F. Cincinnati, O.

DEFIANCE

JENSEN & DEKEMA,
 674 W. Foster Ave., CHICAGO

The only scarlet to grow for both quality and quantity.
 Let us have your order at once so as to secure early delivery.
\$12.00 per 100. \$100.00 per 1000.
W. N. RUDD,
 MORGAN PARK, ILL.

ROOTED Carnation Cuttings

PINK

ARISTOCRAT	100	1000
WINSOR	\$6.00	\$50.00
ROSE PK. ENCHANTRESS	3.50	30.00
ENCHANTRESS	3.00	25.00
LAWSON	2.50	20.00
JOOST	2.00	15.00

WHITE

WHITE PERFECTION	3.00	25.00
" LAWSON	3.00	25.00
QUEEN	2.00	18.00
BOSTON MARKET	2.00	18.00
LOUISE	2.00	18.00
LT. PEARY	3.00	25.00
BOUNTIFUL	2.50	20.00

RED

BEACON	6.00	50.00
VICTORY	3.00	25.00
ROBERT CRAIG	3.00	25.00
FLAMINGO	2.50	20.00

MISCELLANEOUS

PATTEN	2.50	20.00
HARRY FENN	2.50	20.00
HARLOWARDEN	2.50	20.00

Stock guaranteed. Prompt deliveries.

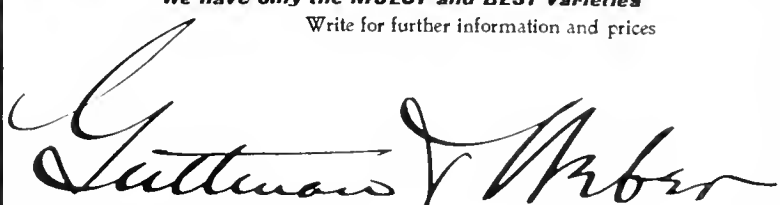
THE LEO NIESSEN CO.
 Wholesale Florists,
 1209 Arch St., Philadelphia, Pa.

ROOTED Carnation Cuttings

WINSOR, PINK IMPERIAL	100	1000
ENCHANTRESS	\$10.00	
BEACON, WHITE ENCHANTRESS	50.00	
VICTORY, WHITE PERFECTION	25.00	

COLEUS
 VERSCHAFFELTH and GOLDEN
 BEDDER 4.00
LARCHMONT NURSERIES, Larchmont, N. Y.

CARNATION CUTTINGS
DEPEND
 on receiving only STRONG and HEALTHY cuttings when you order from US
 We have only the NICEST and BEST varieties
 Write for further information and prices



The Wholesale Florist of New York
 43 West 28th Street
 Grower
 Lynbrook, L. I.
 Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome,
 White Perfection, Lieut. Peary, Rose Pink Enchantress, Etc.

The Test Is Tells The Story
 When growers, who buy by the hundred the first season, order thousands the next **IT MEANS MERIT**
BEACON CARNATION
 Occupies this enviable position. As an all Winter Blooming Scarlet
IT HAS NO EQUAL
 Strong, vigorous, healthy cuttings ready now, per 100 \$6.00, per 1000 \$50.00

WINSOR	100	\$6.00	1000	\$50.00
WHITE PERFECTION	100	\$5.00	1000	\$35.00
ROSE ENCHANTRESS	100	\$4.00	1000	\$30.00
ENCHANTRESS	100	\$3.00	1000	\$25.00

Make all Money Orders payable on NORWOOD, MASS.
PETER FISHER, - - Ellis, Mass.

CARNATION CUTTINGS
 WELL ROOTED. READY NOW. SPECIAL PRICES
 To clean out benches while this lot lasts.

ENCHANTRESS	1000	100	PINK IMPERIAL	1000	100
LAWSON	\$15.00	\$2.00	PINK PATTEN	\$30.00	\$3.50
J. E. HAINES	10.00	1.50	WHITE PERFECTION	25.00	3.00
	15.00	2.00	WINSOR	50.00	6.00

ALBERT M. HERR, Lancaster, Pa.
THE AMERICAN CARNATION
 PRICE \$3.50. Send for Sample Pages
 A T DE LAMARE PTG. & PUB. CO. Ltd., 2 to B Duane Street, New York.

REVIEW OF THE MARKET

NEW YORK. The cut flower market shows no improvement over last week. In fact, the rose end of the business is a little worse...

CHICAGO.—The state of the market during the first half of the present week beggars description. Full counters and loaded iceboxes long after midday tell the story in a mute way.

BOSTON.—During the past week there has been very little change in business. Conditions are now more favorable than they have been.

INDIANAPOLIS, IND.—The result of a week's business in which funeral work, counter trade and decorating were equally divided, was satisfactory.

WASHINGTON, D. C.—But little can be said concerning the market. With the second week in Lent prices went down all along the lines.

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ST. LOUIS.—Market conditions the past week can be called the "worst ever," and it seems that Lent has made itself felt this year.

ST. PATRICK. The market still contains much more stock than the demand is using up.

PHILADELPHIA.—The market still contains much more stock than the demand is using up. We give here a few quotations for the very choicest flowers.

BOSTON.—During the past week there has been very little change in business. Conditions are now more favorable than they have been.

NEW BEDFORD, MASS.—There has been a decided improvement in the cut flower trade the past week.

WASHINGTON, D. C.—But little can be said concerning the market. With the second week in Lent prices went down all along the lines.

DETROIT.—Counter trade is none too brisk, with stock more than enough, a good deal of it is sold by street vendors on Woodward avenue.

WEST MILAN, N. Y.—W. H. Yates contemplates building an addition to his violet house in the Spring.

MONTROSE, PA.—W. W. Nash, South View Gardens, is building an addition to his greenhouse plant.

HENDERSON, KY.—The Morgan Floral Company will begin operations at once on a new plant which will be modern in every respect.

FRANKLIN, MASS.—Walter Slade, florist, has sold his greenhouse to William Stewart of Mt. Vernon, N. Y.

LONG BRANCH, N. J.—Louis Sickler will establish a greenhouse at the corner of High street and Norwood avenue.

JANESVILLE, WIS.—Dr. C. G. Dwight will build three large greenhouses and enter the florist business.

YOUNGSTOWN, O.—John Walker will open a large retail store on West Federal street.

CONNELLSVILLE, PA.—R. Marshall, florist, Johnstown, Pa., has purchased two lots at Race street and Newmyer avenue.

WILKESBARRE, PA.—W. M. Eldridge & Company, florists of this city, who have maintained a business here for the past twenty-five years.

HAMPTON, VA.—The Curtis Floral Company has opened a downtown office and will occupy the south side of the store room in which Paatz's shoe store is located.

BANNERS ELK, N. C.—The firm of F. W. Richards & Company, dealers in galax, ferns, leucodoe sprays, etc., will in future be known as the North Carolina Evergreen Company.

WESTBORO, MASS.—A. O. Tufts and R. O. Stockbridge have purchased the greenhouses on the N. P. Brown place on Lyman street.

GRAND FORKS, N. D.—Superintendent E. C. Hilborn, of the Enderlin schools, formerly a student of the North Dakota university, is organizing a new nursery company.

Morris County (N. J.) Society. The meeting on March 11 was carnation night and it proved successful in every way.

The following awards were made: Carnation Bay State from A. Roper, Tewksbury, Mass., scored 90 points and got a certificate of merit.

Three vases of carnations from John E. Haines, Bethlehem, Pa., in the varieties Imperial, Pink Imperial and John E. Haines put up by O. A. Mills, Orange, N. J., were in excellent condition.

Harvard, from James D. Cockroft, Northport, L. I., scored 85 points and was awarded a certificate of merit.

May from Baur & Smith, Indianapolis, Ind., was awarded honorable mention. Afterglow from Dailedouze Brothers, Flatbush, L. I., was again shown in excellent condition.

Red seedling Number 1 and white seedling Number 2 from John Green, Morristown, N. J., the Judges would like to see each again in larger numbers.

Four vases of carnations from Florham Farms (A. Herrington, superintendent), in the following varieties, Beacon, Robert Craig, White Perfection and Eucharistess, were shown in excellent condition.

Vase of mixed roses from A. C. Van Gansbeek, Orange, N. J. (John Dervan, gardener), was a splendid exhibit, receiving a cultural certificate.

From Florham Farms other exhibits were as follows: Five vases of stock Queen Alexandra, shown in fine condition, a cultural certificate; one vase Anemone St. Bridget, several dishes of dwarf Erfurt cauliflower, and a vase of Cattleya Triana, showing some exceptionally fine types for which a cultural certificate was given.

Next meeting, April 8, will be rose night. John R. Mitchell will read an essay on the subject. Mr. Mitchell is well known as an able grower and anything he may say will be sure to carry weight with it.

BUSINESS DIFFICULTIES.

NEW YORK.—Alfred M. Van Praeg, dealer in cut flowers at 1297 Broadway, has filed a petition in bankruptcy, with liabilities of \$3,986 and nominal assets of \$985.

JACKSONVILLE, FLA.—On March 9 burglars entered the store of C. D. Miles, florist, but only secured about \$5 in silver, which had been left in the cash register.

LENOX, MASS.—John O'Brien, tree warden, who has been seriously ill at his West street home for some time, is in a serious condition.

60 CHOICE VARIETIES OF VERBENAS

PERFECTLY HEALTHY - NO RUST. Rooted Cuttings, our selection, 75c. per 100; \$6.00 per 1000. Plants, our selection, 2 1/2-inch pots, \$2.50 per 100; \$20.00 per 1000.

ROOTED CARNATION CUTTINGS—CLEAN and HEALTHY

WHITE VARIETIES		RED VARIETIES	
100	1000	100	1000
White Perfection	\$6.00	Cardinal	\$3.00
White Enchantress	50.00	Robert Craig	3.00
Lady Bountiful	3.00	Flamingo	2.50
My Maryland	3.00	Crisis	2.00
The Queen	2.00	Portia	1.50
Queen Louise	2.00	Governor Roosevelt	2.00
Flora Hill	1.50	Harlowarden	2.00
PINK VARIETIES		YELLOW VARIETIES	
Enchantress	3.00	Golden Beauty	2.00
Mrs. Thomas Lawson	2.00	Buttercup	2.50
Dorothy	1.50	Eldorado	2.00
Mrs. E. A. Nelson	1.50	VARIEGATED VARIETIES	
William Scott	1.50	Jessica	3.00
Mrs. Francis Joost	1.50	Mrs. M. A. Patten	2.50
		Judge Hinsdale	2.50

60,000 GRAFTED ROSES for FORCING—Finest Grown

Orders booked for delivery in April, May and June.

Chatenay, Killarney, Richmond, Liberty, La France, rose pots, \$15.00 per 100; 3 1/2-inch pots, \$18.00 per 100.
Brides, Bridesmaids, Golden Gates, Kaiserin, rose pots, \$10.00 per 100; 3 1/2-inch pots, \$15.00 per 100.
Own Root Roses, 4-inch pots, \$9.00 and \$7.00 per 100.

Send for Price List.

J. L. DILLON, Bloomsburg, Pa.

WANTED

ENGLISH PRIMROSES, FLOWERING PLANTS

GIVE SIZE, PRICE, AND QUANTITY TO

J. H. TROY, "The Rosary" Flower Co.
24 East 34th Street, New York City

SEND FOR SAMPLES OF OUR

"Cultural Directions"

Specially prepared for the use of your customers. These Leaflets are just the neat little factor to promote business and establish better relations between the dealer and his customer. They have been written by experts; they are fuller, and contain more detailed directions than it is possible to embrace in a catalogue. Hand one out with each sale. It will save your time, quicken and increase business, and aid you please your customer.

The following "Culturals" are now ready:

Amaryllis (Hippeastrum)	Deciduous Trees and Shrubs	Palms, House Culture of
Annals from Seed	Evergreen Trees and Shrubs	Panay
Asparagus	Ferns	Peonies
Astora	Frassia	Perennials, Hardy
Begonia, Tuberous	Geranium	Primula
Bulba	Gladolus	Rhubarb and Asparagus
Cabbage and Cauliflower	Gloxinia	under Glass
Canna	Hot Beds and Frames	Rose Culture
Carnations, Monthly	House Plants, Care of	Small Fruits
Cauliflower, Radish and	Hyacinths, Dutch and	Standard Fruits
Beans under Glass	Roman	Sweet Pea, The
Celery	Iris and Tritoma	Tomatoes, Outdoors
Chinese Sacred Lily	Lawns	Tomatoes under Glass
Chrysanthemum	Lettuce in the Open and	Tuberose
Climbing Plants, Hardy	under Glass	Tulip
Coleus, and other bedders	Lily Culture for House and	Vegetables
Crocus, Snowdrop and	Garden	Violets
Scilla Sibirica	Malons under Glass and	Water Garden, How to Make
Cucumbers under Glass	in the Open	and Manage a
Dahlia	Mushroom Culture	
	Onions	

Your selection of not less than 100 of a kind, delivered carriage paid, printed on white paper, clear type, size 6x9 1/2 inches, 500 for \$1.50; 1000 for \$2.50.

Sufficient space will be left at the bottom of each leaflet for your name, address, etc. If you desire this imprint (3 lines) add 50 cents for 500 copies, 75 cents for 1000. Special quotations on quantities of 2500 or over.

A. T. De La Mare Ptg. and Pub. Co. Ltd.
Pubs. The Florists' Exchange. P. O. Box 1697, NEW YORK

NEW VIOLET BOSTON



STILL MORE PROOF.

The Boston Co-operative Flower Growers' Association at their recent show offered Silver Cups for the best New Rose, best New Carnation and best New Violet. The **Boston Violet** was awarded the **Silver Cup** at the Boston Flower Market Exhibition. Distribution will commence in April. Order Now. Prices \$2.00 per 12; \$12.00 per 100; \$100.00 per 1,000.

WILLIAM SIM, Cliftondale, Mass.

STOCK YOU NEED NOW.

DAHLIAS. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphs, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty, \$5.00 per 100. Grand Duke Alexis and Kriemhilde, \$7.00 per 100.
MARGUERITES. Queen Alexandra, \$2.00 per 100; Coronation, \$3.00 per 100.
BOSTON FERNS. Plants well established in 2 1/2-inch pots, \$4.00 per 100; \$30.00 per 1000.

BEGONIAS

Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata, \$4.00 per 100.

BOUGAINVILLEA GLABRA SANDERIANA. 2 1/2-inch, \$4.00 per 100.

BOXWOOD. Pyramids, 36 inches high, \$1.75 each.

BOXWOOD. Bush form, very heavy, 6 to 36 inches high, \$2.00 each.

RHODODENDRONS. Short, well formed plants for pots, full of buds, 18-inch size, \$9.00 per dozen. 24-inch size, \$12.00 per dozen.

AZALEA MOLLISS. Lushy plants, full of buds and easy to force, 12 to 15 inches high, \$25.00 per 100; 15 to 18 inches high, \$35.00 per 100.

VIOLETS. Princess of Wales, thrifty plants from 2 1/2 inch pots, \$3.00 per 100. Hardy English (double purple), \$7.00 per 100.

PANDANUS UTILIS. Fine young stock for immediate sale or growing on, 2 1/2-inch, \$6.00 per 100; 3-inch, \$8.00 per 100; 4-inch, \$12.00 per 100.

KENTIA BELMOREANA. 2 1/2-inch pot, \$9.00 per 100; \$50.00 per 1000. 3-inch pots, \$11.00 per 100; 4-inch pots, \$30.00 per 100; 5-inch pots, \$50.00 per 100. Clean, cool-grown. Extra Value.

LATANIA BORBONICA. 2-inch pots, \$6.50 per 100; 6-inch pots, 5 to 6 leaves, 15 to 18 inches high, 60c. each.

GERANIUMS

Standard Geraniums, our choice of varieties, in red, pink, and white, \$2.00 per 100.

CANNAS

Strong 2 and 3 eye divisions, as follows. Allemania, Austria, Chas. Henderson, Fair Hope, Progression, Shenandoah, \$2.00 per 100; \$17.00 per 1000.

Beaute Polteivine, Crimson Bedder, Egandale, Florence Vaughan, Papa Nardy, \$2.00 per 100; \$25.00 per 1000. King Humbert, \$10.00 per 100.

THE STORRS & HARRISON CO., Painesville, Ohio

ASPARAGUS, BOSTONS, AZALEAS

Plumosos Nanus. 2 1/2 in., \$3.50 per 100, \$30.00 per 1000. 3 in., 6c.; 3 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. **Comorensis.** 2 in., 2c.; 2 1/2 in., 3c.; 3 1/2 in., 6c. **Sprengeri.** 2 1/2 in., 3c.; 3 1/2 in., 5c.; 4 in., 10c.

Bostons. 2 1/2 in. 4c., 3 in., 5c.; 6 in., 10c.; 7 in., 15c.; 8 in., \$1.00 to \$1.50; 10 in. \$1.50 to \$2.00.

Azaleas. We are now booking orders for delivery. Our stock is the best in the West.

Phones: Bell, Forest 143; Kibloch, Delmar 174 L.

Greenhouses at Clayton, Mo. J. W. DUNFORD, Kings Highway and Page Bld., St. Louis, Mo.

ASPARAGUS PLUMOSUS

CASH OFFER TO MAKE ROOM.

3 in. \$1.00 per 100, \$35.00 per 1000; 2 in. \$2.50 per 100, \$20.00 per 1000

Cash With Order.

HUGH GRAHAM COMPANY, York Road & Loudon St., PHILADELPHIA PA

NOTICE TO FLORISTS

THE FRUIT AUCTION COMPANY, New York City, beginning this Spring, will inaugurate daily auction sales at wholesale of plants, etc. ☐ Exceptional facilities provided in our new building, centrally located at 200, 202 and 204 Franklin Street (cor. Washington Street). ☐ Date of initial sale

Wednesday, April 1, 1908, at eight o'clock in the morning.

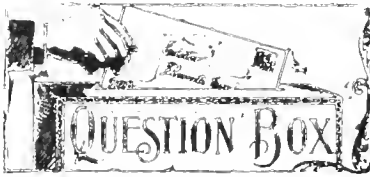
☐ Sales daily thereafter at same hour until further notice. ☐ For terms and all other detailed information, address

THE FRUIT AUCTION COMPANY P. O. BOX 640 NEW YORK CITY

Correspondence and personal interviews cordially invited. ☐ Payments will be made to sellers of plants the day following sale. ☐ The movement to sell plants by auction at wholesale has the support and commendation of leading growers and importers.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
54 WEST 28th STREET, NEW YORK
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL



(51) **Worms.** We have some rubbers in 7-inch pots, the surface of the soil being covered with tiny worms. Can you give us a remedy? A. A. H. New York.

—To get rid of the worms in the pots containing rubber plants, apply lime water. If the first watering does not kill them all, repeat in three or four days.

(52) **Violets in Frames.**—I intend growing some double violet plants outside in frames to flower next Fall and Winter. Kindly state the best method to proceed for outside violets and the time to start same; also, the most profitable varieties. A. A. H. New York

—To grow double violets in frames we would procure young stock in April or May and plant direct into the frames. Use four or five inches of good new soil, with about one-fifth well decomposed barnyard manure. Let the sash remain on the frames for a few days until the young plants are established (though air must be given each day), after which the sash must be removed entirely and only used again during protracted spells of wet weather, or on a night when frost is expected. The best variety is Marie Louise.

(53) **White Fly.** Please give a remedy for the white fly. We are troubled very badly with it on our fuchsias and heliotrope this season. We fumigate every week and also use several other remedies, but cannot kill the fly. Ontario. F. L. S.

—The white fly is a very troublesome pest when once established in a greenhouse, and the most persistent efforts are required to keep it in check. A very good remedy has been found by taking a pound of common laundry soap dissolved in eight gallons of water and spraying the plants, particularly the under sides of the leaves, washing off the soap again in a few days, repeating the remedy, if necessary.

(54) **Carnation Buds not Opening.** I send you samples of my carnation Genevieve Lord which I planted the last week in July and which have done very well until the new year. They are now loaded with buds, which will not open. I applied nitrate of soda about Thanksgiving and top dressing about New Year's (plain horse manure), treating them all alike. Victory, Governor Wilson and Mrs. Lawson are doing well yet. W. & D. New York.

Without a doubt it is on account of too much nitrate of soda having been used that the buds remain tight. We have seen this same trouble



This is Design No. 1

A. T. De La Mare Ptg. & Pub. Co. Ltd. Post Office Box 1697
NEW YORK CITY, N. Y.
Publishers The Florists' Exchange

Do Not Order Your Easter Advertising Matter Until You Have Examined Our Original

EASTER Announcements

Successful BUSINESS cannot be obtained without special endeavor. One's own personal efforts need backing and the most helpful backer is WELL-DIRECTED ADVERTISING, carefully selected and freely used.

For those florists who cater to the EASTERTIDE TRADE, we have prepared six graceful and attractive designs which we offer at a price that appeals to the user of good printing. We furnish THESE EASTER ADVERTISING ATTRACTIONS in the shape of small oblong four-page folders, printed in the finest style and on the best heavy enamel paper, with the engraving covering the front page and the advertisement on the third page. A fine quality baronial envelope is included in the price.

Delivery is F. O. B. New York at the following prices:

100 Folders and	100 Envelopes.....	\$3.50
250 Folders and	250 Envelopes.....	6.00
500 Folders and	500 Envelopes.....	10.00
1000 Folders and	1000 Envelopes.....	18.00
Each additional 1000,	at same order.....	15.00

On orders for 500 or over customer may select two or more styles without extra charge. If interested, send at once for a sample set of these Announcements. They are original designs, made expressly for the season of 1908, and will interest you. It only costs one cent to look them over.

We expect lots of orders for these Announcements, so would advise you to act promptly if you wish yours filled in good time. Address

☐ Special Easter Advertising literature made to order. Let us know what you want and we will be glad to quote you. Time is passing; write now.

arise from the use of nitrate before. It seems strange that all the other varieties mentioned are not affected in the same way, unless they did not receive such a liberal application of the fertilizer as did Genevieve Lord. We would advise cutting away all the buds that do not develop, and giving the bench an occasional watering with lime water. The next crop of buds will then most likely come along in good shape and develop all right.

THE AMERICAN CARNATION
Price, \$3.50
A. T. DE LA MARE PTG. & PUB. CO LTD

Pansy Plants

Giant Flowering, one of the best strains on the market, \$2.50 per 1000.
DAISIES (Bellis), blooming plants, \$1.25 per 100; \$10.00 per 1000. Plants that will bloom soon, \$2.50 per 1000.
FORGET-ME-NOT, hardy blue, fine plants, \$3.00 per 1000.
STOCKS: Verbenas, Ivy Geraniums, Salvias, Cigar Plants, Ageratum, Dusty Miller, Vinca variegata, Alyssum, single and double, Fuchsias and Lobelias, 2 1/2 in., \$2.00 per 100; \$15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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You can buy your Narcissus, Jonquils, Tulips, etc., direct from the largest growers in the South. For prices, etc., apply.

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Gold Medalists, Jamestown, 1907.

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Wholesale
Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day
Telephone, 167 Madison Square
Consignments Solicited

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BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
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Open every Morning at Six o'clock for the
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Violets, Roses, Carnations, Orchids
Established 1888

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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
CARDENIAS, DAISIES, ROSES, CARNATIONS.
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Prompt returns.
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WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, March 18, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special.....	10.00 to 20.00	Carnations	Inf'r grades, all colors.....	.50 to .75
	" extra.....	8.00 to 10.00		White.....	1.00 to 1.50
	" No. 1.....	8.00 to 10.00		Pink.....	1.00 to 1.50
	" No. 2.....	6.00 to 8.00		Red.....	1.00 to 1.50
	" No. 3.....	2.00 to 4.00		Yel. & Var.....	1.00 to 1.50
	Bride, Maid fancy-special.....	5.00 to 6.00		White.....	1.50 to 2.00
	" extra.....	3.00 to 4.00		Pink.....	1.50 to 2.00
	" No. 1.....	2.00 to 3.00		Red.....	1.50 to 2.00
	" No. 2.....	1.00 to 2.00		Yel. & Var.....	1.50 to 2.00
	Golden Gate.....	2.00 to 8.00		(NOVELTIES	2.00 to 3.00
	RICHMOND.....	2.00 to 10.00	GARDENIAS, per doz.....	1.00 to 3.00	
	Mme. Abel Chatenay.....	2.00 to 8.00	LILAC, per bunch.....	.50 to .60	
	ADANTUM.....	.50 to .75	LILIES.....	6.00 to 10.00	
	CROWNEANUM.....	1.00 to 1.50	LILY OF THE VALLEY.....	1.00 to 2.00	
	ASPARAGUS.....	25.00 to 50.00	MIGNONETTE.....	3.00 to 6.00	
	Plumosus, bunches.....	15.00 to 25.00	NARCISSUS (Paper White).....	to 1.00	
	Sprengerl, bunches.....	15.00 to 25.00	Yellow.....	to 1.00	
		to .20	POETICUS.....	to 1.00	
	CALLAS.....	6.00 to 8.00	SMILAX.....	8.00 to 15.00	
	CATTLEYS.....	35.00 to 50.00	VIOLETS.....	.25 to .40	
	CYPRIPEDIUMS.....	5.00 to 8.00	CORNFLOWERS.....	to 1.50	
	DAISIES.....	2.00 to 3.00	HYACINTHS, Roman.....	.50 to 1.00	
	FREESIA, per bunch.....	.10 to .20	SWEET PEAS (per doz. bunches)	.75 to 2.00	
			TULIPS.....	1.00 to 2.00	

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Liberty,
Lilies, Lily of the Valley, Carnations
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VIOLETS Carnations and Roses
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FLORIST
500 Fifth Avenue, NEW YORK
Telephone, 847 Bryant

New York.
News of the Week.
Secretary Young of the New York Florists' Club informs us that the old meeting room in the Grand Opera House Building, corner Twenty-third street and Eighth avenue, has again been secured as a meeting place, and the next gathering of the club will be held there. This will certainly be good news to the members, as the place at Thirty-fourth street and Third avenue has been a most uncomfortable one, particularly so on nights when the weather was cold. W. E. Marshall, chairman of the bowling club organized at the last Florists' Club meeting, wishes us to announce that a meeting is to be held at his store, 46 West Twenty-third street, at 7 p. m. Friday, and that bowling will be practiced every Friday evening at 8 o'clock in the Albin alleys, 117 West Twenty-third street. On Saturday last, March 14, a meeting of orchid growers and enthusiasts was held in the rooms of the American Institute, West Forty-fourth street. The object of the meeting was the forming of an orchid society. Clements Moore of Hackensack, N. J., was voted to the chair, and a committee of nine was appointed to make arrangements for the permanent organization of the society. Several nice exhibits of orchids were shown, and among those showing flowers or plants were Lager & Hurrell, Summit, N. J.; Carrillo & Baldwin, Scarsdale, N. J.; Joseph A. Manda, West Orange, N. J.; Seth Borden, Fall River, Mass.; Clements Moore, Hackensack, N. J.; and Julius Roehrs Company, Rutherford, N. J. So far as we can learn, it is the object of the society to hold monthly meetings and shows, and the orchid, unlike the carnation and chrysanthemum, for instance, has to

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MRS. JARDINE 2 1/2 inch plants, \$30.00 per 100, \$70.00 per 250, \$250.00 per 1000.
Cut Flowers, \$2.00 for medium length stems, \$3.00 for long stems.
1608 to 1620 LUDLOW STREET Store Open 7.30 A. M. to 8 P. M.

Easter Lilies

Will have a very large supply of Lily Plants for Easter. Get our prices before placing your orders.

The Leo Niessen Co.

WHOLESALE FLORISTS

1209 Arch Street, Philadelphia

CARNATIONS A SPECIALTY CARNATIONS ROSES VIOLETS, VALLEY.

GEO. B. HART, Wholesale Florist, 24 Stone St., ROCHESTER, N. Y. Mr. Hart's Handy Handle.

Headquarters in WESTERN NEW YORK For Roses, Carnations And all kinds of Seasonable Flowers.



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special season, it will not be such a difficult matter to have exhibitions at these monthly meetings. It is also desired to enlist as members the private gardeners throughout the country and make the society a national one.

A number of carnation growers held a meeting on Saturday last with the object of forming an association and electing officers. The aims of the society have as yet not been made public.

The Plant Growers' Market, 43 West Twenty-seventh street, will vacate these premises on May 1.

Anton Schultheis, College Point, N. Y., has several novelties in climbing and polyantha roses that will prove welcome additions to the commercial list of varieties for pot purposes when they are disseminated.

Mixed and diseased bulbs among long-florum lilies that have been grown for Easter are as common again this year as ever before. Growers in some instances have had to throw out half of

April 1, and will have sales daily thereafter.

Business at A. T. Boddington's, 342 West Fourteenth street, is of such a heavy nature that the staff has to work four nights a week in order to keep up with the orders.

J. K. Allen, wholesale florist at 106 West Twenty-eighth street, is receiving a nice line of cut sprays of bougainvillea.

John Tarkazikes and John Chirano, who did business as the Olympia Florists at 57 West Forty-second street up to May 1, 1905, have filed a petition in bankruptcy, with liabilities of \$2,512 and no assets. They filed a petition on June 2, 1905, which was closed up without a discharge.

Joseph S. Fenrich made a trip to Atlantic City this week.

Among the visitors in town were Thomas J. Grey, seedsman, Boston; Miss Celia Murray, Montreal, Can., and John Joyce, carnation grower, Congers, N. Y.

Philadelphia.

Trade Notes.

Trade continues very quiet. Many stores offered inducements on Tuesday in the way of dyed tulips, carnations and roses; some of the commission men even had lots of flowers dyed, but the demand was not extra good. It is estimated that over 60,000 2-inch pots of shamrock (trifolium) were sold in this city, principally to department stores.

From growers of lilies we hear that there are many cases in which losses of 50 per cent. have occurred; one grower puts his loss at 80 per cent. There are yet among the plants left many with only two buds to a stalk.

One of our retail stores tried advertising in the evening papers the past week, and on Saturday last sold over 5,000 daffodils put up in bunches of 25 at 50c. per bunch.

We learn from some of the Holland bulb men, who were here last week, that they are not meeting with much encouragement in orders for bulbs.

Arthur Niessen, of Leo Niessen Company, who has been ill with fever, is now improving. DAVID RUST.

Madison, N. J.

A Tour Among Growers.

Barton & Richter have the neatest place around here; their cut is not heavy at present.

M. Ladew is cutting some nice flowers. A. P. Smith has not done so well this season—too much heat and the plants look very weak.

Henry Hentz has a fine range of houses and keeps them in good shape; he is now making large repairs to his boiler room and ice plant.

Villa Lorraine Roseries have the best looking roses I have seen in many a day; the bushes are in perfect health and the cut is large.

Charles H. Totty is kept busy with his novelties; he is now propagating and shipping in large quantities.

Robert Schultze has Richmond in good shape. CYCLAMEN.

BEVERLY, MASS.—John E. Mitchell, florist, died here on March 3, 1905, aged 71 years. He was a native of Huntly, Scotland. He is survived by a widow, daughter, and son, who have been associated with him in business.

Wholesale Prices of Cut Flowers Per 100

Boston Mar. 16, 1905	Buffalo Mar. 16, 1905	Detroit Mar. 16, 1905	Cincinnati Mar. 16, 1905	Baltimore Mar. 16, 1905	NAMES AND VARIETIES	Milwaukee Mar. 10, 1905	Philadelphia Mar. 17, 1905	Pittsburg Mar. 18, 1905	St. Louis Mar. 16, 1905
39.00 to 50.00	30.60 to 35.00	25.00 to 35.00	..... to 40.00	..... to	A. BEAUTY, 10007—special to 40.00	25.00 to 40.00	30.00 to 40.00	20.00 to 25.00	20.00 to 25.00
10.00 to 30.00	20.00 to 25.00	15.00 to 25.00	..... to 30.00	..... to	" extra to 25.00	15.00 to 20.00	20.00 to 25.00	12.50 to 15.00	12.50 to 15.00
4.00 to 10.00	10.00 to 15.00	10.00 to 15.00	..... to 10.00	..... to	" No. 1 to 20.00	8.00 to 15.00	10.00 to 15.00	6.00 to 10.00	6.00 to 10.00
..... to	5.00 to 10.00	4.00 to 10.00	..... to .....	..... to	" Calls and ordinary to 10.00	5.00 to 10.00	4.00 to 6.00	2.00 to 5.00	2.00 to 5.00
8.00 to 10.00	..... to 10.00	8.00 to 10.00	4.00 to 6.00	8.00 to 10.00	BRIDE, "MAID, 10007—special to 8.00	8.00 to 12.00	8.00 to 10.00	5.00 to 6.00	5.00 to 6.00
4.00 to 8.00	8.00 to 10.00	6.00 to 8.00	3.00 to 4.00	7.00 to 8.00	" extra to 6.00	6.00 to 8.00	5.00 to 6.00	3.00 to 4.00	3.00 to 4.00
1.90 to 4.00	..... to 6.00	4.00 to 6.00	2.00 to 3.00	6.00 to 7.00	" No. 1 to 3.00	4.00 to 6.00	3.00 to 4.00	1.00 to 2.00	1.00 to 2.00
..... to	3.00 to 4.00	3.00 to 4.00	1.00 to 2.00	4.00 to 5.00	" No. 2 to 3.00	3.00 to 5.00	..... to .....	..... to .....	..... to
..... to	3.00 to 4.00	..... to	3.00 to 6.00	5.00 to 10.00	GOLDEN GATE to 4.00	6.00 to .....	..... to	4.00 to 8.00	1.00 to 5.00
..... to .....	..... to	6.00 to 10.00	..... to	6.00 to 10.00	K. A. VICTORIA to 4.00	8.00 to .....	..... to .....	..... to .....	..... to
..... to .....	..... to	4.00 to 10.00	3.00 to 6.00	..... to	LIBERTY to 4.00	8.00 to	3.00 to 20.00	4.00 to 12.00	..... to
..... to	4.00 to 7.00	..... to .....	..... to	4.00 to 6.00	PERLE to 4.00	6.00 to .....	..... to	4.00 to 6.00	..... to
..... to	1.00 to 2.00	..... to .....	..... to .....	..... to 1.00	ORCHIDS—Cattleyas to	50.00 to 60.00	..... to .....	..... to .....	..... to
1.00 to 2.00	1.00 to 2.00	1.00 to 1.50	1.00 to 2.00	2.00 to 2.50	" interior grades, all colors to 1.00	1.00 to 2.00	.75 to 1.00	.75 to 1.00	.75 to 1.00
1.00 to 2.00	1.00 to 2.00	1.00 to 1.50	1.00 to 2.00	2.00 to 2.50	" White to 1.00	2.00 to	1.50 to 2.00	2.00 to 2.50	1.00 to 1.50
1.00 to 2.00	1.00 to 2.00	1.00 to 1.50	1.00 to 2.00	2.00 to 2.50	" Pink to 1.00	2.00 to	1.50 to 2.00	2.00 to 2.50	1.00 to 1.50
1.00 to 2.00	1.00 to 2.00	1.00 to 1.50	1.00 to 2.00	2.00 to 2.50	Standard Varieties to 1.00	2.00 to	1.50 to 2.00	2.00 to 2.50	1.00 to 1.50
1.00 to 2.00	1.00 to 2.00	1.00 to 1.50	1.00 to 2.00	2.00 to 2.50	CARNATIONS to 1.00	2.00 to	1.50 to 2.00	2.00 to 2.50	1.00 to 1.50
2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	" White to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.50 to 2.00
2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	" Yellow and var. to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.50 to 2.00
2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	" Red to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.50 to 2.00
2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	" Pink to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.50 to 2.00
..... to .....	..... to .....	..... to .....	..... to .....	..... to	" Red to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.50 to 2.00
..... to .....	..... to .....	..... to .....	..... to .....	..... to	" Yellow and var. to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.50 to 2.00
..... to .....	..... to .....	..... to .....	..... to .....	..... to	Novelties to	3.00 to 5.00	..... to .....	..... to .....	..... to
.75 to 1.00	.50 to 1.00	.75 to 1.50	..... to 1.00	..... to 1.00	ADIANTUM to 1.00	1.00 to 1.50	1.00 to 1.25	..... to 1.00	..... to 1.00
..... to .....	..... to .....	..... to .....	..... to .....	..... to	ASPARGUS, Plum. and Ten to 20.00	8.00 to 30.00	50.00 to 80.00	50.00 to 80.00	25.00 to 40.00
..... to .....	..... to .....	..... to .....	..... to .....	..... to	" Sorengeri, bunches to 20.00	30.00 to 50.00	20.00 to 30.00	20.00 to 30.00	75.00 to 100.00
6.00 to 8.00	6.00 to 12.00	12.00 to 15.00	..... to 10.00	8.00 to 12.50	CALLAS to	15.00 to	8.00 to 12.50	5.00 to 8.00	6.00 to 10.00
..... to .....	..... to .....	..... to .....	..... to .....	..... to	DAISIES to .....	..... to .....	..... to .....	..... to .....	..... to
..... to .....	..... to .....	..... to .....	..... to .....	..... to	GLADIOLUS to .....	..... to .....	..... to .....	..... to .....	..... to
6.00 to 10.00	10.00 to 15.00	12.00 to 15.00	..... to 10.00	10.00 to 12.50	LILIES to 12.50	18.00 to 20.00	8.00 to 12.50	..... to 12.50	..... to
1.00 to 3.00	2.00 to 4.00	2.00 to 4.00	..... to 4.00	3.00 to 4.00	LILY OF THE VALLEY to 2.50	2.00 to 4.00	3.00 to 4.00	..... to 4.00	..... to 3.00
1.00 to 3.00	2.00 to 4.00	2.00 to 4.00	..... to 4.00	3.00 to 4.00	MIGNONETTE to 2.00	6.00 to 1.00	4.00 to 2.00	4.00 to 4.00	4.00 to 5.00
12.00 to 15.00	..... to 15.00	10.00 to 15.00	..... to 10.00	15.00 to 20.00	SMILAX to 15.00	15.00 to 20.00	..... to 15.00	..... to 15.00	..... to 12.50
.35 to .50	.40 to .75	.75 to 1.00	..... to .50	.50 to .75	VIOLETS to .50	1.00 to .....	.25 to .75	.25 to .75	.15 to .20
..... to .....	..... to .....	..... to .....	..... to .....	..... to .....	..... to .....	..... to .....	..... to .....	..... to .....	..... to

BOSTON, MASS.

Asparagus Plumosus Killarney's Richmonds Brides, Maids American Beauties Kaiserin Can furnish, at short notice.

WELCH BROS. PROPRIETORS CITY HALL CUT FLOWER MARKET 226 Devonshire Street.

Carnots Orchids Valley Carnations Violets

Price according to quality of goods. Long Distance Telephone 6287 and 6285

EDWARD REID Wholesale Florist 1526 Ranstead St., PHILADELPHIA
Pittsburg Cut Flower Co. LIMITED WHOLESALE FLORISTS 222 Oliver Ave., Pittsburg, Pa.

their bulbs, which, to say the least, is very discouraging.

St. Patrick's Day brought with it quite a demand for shamrocks, green carnations, etc. We noticed among some of the things that sold well, leaves of a giant oxalis. These leaves were all of two inches across, and those who had them in stock found no difficulty in disposing of them. They were used chiefly as boutonnières. Evidently several kinds of dye were used for making green carnations, as these flowers were seen in several shades of that color.

Wm. Elliott & Sons commenced their auction season on Tuesday with a sale of roses, evergreens, etc.

The Fruit Auction Company expects to begin its plant sales on Wednesday,

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Valley, Carnations and Roses
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Roses and Carnations
A Specialty
WHOLESALE GROWER of CUT FLOWERS

Wholesale Prices of Cut Flowers, Chicago, Mar. 18th, 1908
Prices quoted are by the hundred unless otherwise noted

Table with columns for ROSES (American Beauty), CARNATIONS (Standard Varieties, Fancy, Novelties), and other flower types with prices per doz. or bunch.

Chicago. News Notes. While the weather has been extremely favorable for business, retail florists complain, generally, of poor trade. Funeral work is keeping many stores going to an appreciable extent, but where transient business is mainly depended upon trade is unusually slow. Considerable preparation was made for St. Patrick's Day, and the green carnation and pots of so-called shamrocks were seen everywhere. The committee of the Chicago Florists' Club having in charge the details connected with the meeting and exhibition of the American Rose Society next week had a meeting on Monday and concluded its plans for the advertising of the exhibition. Handsome show cards for window and store display are in the printer's hands. These cards bear a pleasing three color half-tone picture of roses from a set of plates kindly loaned by the McCray Refrigerator Company, Kendallville, Ind. Posters are also to be used wherever an opportunity for display can be found. Admission tickets are already in the secretary's hands. Entries for the exhibition are coming in rapidly, and with the more than usually extensive prize list the exhibition should be the largest in the history of the society. The rules governing entries are to be strictly enforced, so it behooves all those intending to exhibit to have their entries in by the date specified in the schedules. Louis Winterston, who has been sojourning in Tacoma, Wash., is again prominent on the staff at Winterston's Seed Store. Frank Vogt has opened a florists' store at 4138 Cottage Grove avenue. C. Fraunfelder & Company, retail florists, 1602 Madison street, have made an important addition to their store, by taking in the adjoining quarters.

CHAS. W. MCKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS
51 Wabash Ave., Chicago

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Western Headquarters for
Up-to-Date Florists' Supplies
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day. He visited the... use of his... florists'... stock... by any...
The Brothers... Company is... grand old of Killarney... the flowers are... on account of the...
The J. B. Deamud Company is keeping... of well flowered... demand for...
Alfred Hildebrand, 2630 Indiana... died Tuesday, March 17, the result of a hemorrhage. He had been prominent in retail circles about twenty-five years.
H. A. Philpot, Winnipeg, is in town. J. H. Patten.

St. Louis. Florists' Club Meeting. The regular monthly meeting of the club was held last Thursday in the Burlington Building, 810 Olive street. This was our annual rose exhibition, but it was only a small one owing to the fact that the Spring flower show was holding at the same time. In the absence of President Young, Vice-President George Augermuller presided. The trustees reported that they had selected a new meeting place at the corner of Eleventh and Locust streets, known as Bowman's Hall. The members decided that this was a good location and voted to meet there in the future. The Pottery Committee reported that very few new subscriptions are coming in and that those desiring stock can subscribe until the May meeting, when the subscription must reach \$10,000 or the subject be dropped. J. F. Ammann reported for the committee.

A letter from W. A. Manda, South Orange, N. J., asking the club to subscribe to the Guarantors' sweepstake prize for the National Flower Show, Chicago, was read, and the subject will come up again at the next meeting. The chair appointed Messrs. Fillmore, Dunford and Halsted to pass on the merits of the roses on exhibition; they reported that the flowers were of the best quality. Mr. Ammann's exhibit consisted of Ivory, Bridesmaid, Bride, Richmond, Kate Moulton and Mme. Abel Chatenay. Mr. Guy showed an extra fine vase of Ivory with stems a yard long and excellent blooms. Discussions were then called for the good of the club which were of an interesting nature, every one of the twenty members in attendance taking part. Flower show matters will be taken up at the next meeting, at which time the National Flower Show will come in for its share of attention. There was a great deal of talk on holding a flower show next Fall; this subject will also be considered at the next meeting, which will take place Thursday afternoon, April 9, at 2 o'clock in the new meeting hall.

Spring Flower Show. The St. Louis Horticultural Society held its second Spring flower show last week in the Masonic Temple Building, Grand avenue. The exhibition this year was not so large as the last one, and the attendance was smaller, owing to the fact that admission was charged, whereas last year it was free. The bad weather also had an effect on the attendance. The exhibition itself was neatly arranged by the executive committee, with plenty of room for all exhibits, except the nursery display, which was crowded into a small side room. This latter exhibit was made by C. C. Sanders, H. Weber & Sons and Emil Rotenboer. Other displays for which no prizes were offered were made by Charles Beyer, who had a fine group of decorative and blooming plants; Fred, C. Weber and Theo. Miller, who also staged decorative stock; J. F. Ammann took all the first prizes on roses, and exhibited the new varieties Alice Roosevelt and Rhea Reid. The Chicago Carnation Company, Joliet, Ill., swept the boards on carnations. Peter Reinberg, Chicago, sent a fine lot of roses, which arrived on the second day, too late for competition. Vaughan's Seed Store, Chicago, had a large showing of plants. George A. Kuhl, Peoria, Ill., also exhibited well grown plants. Visitors to the show were as numerous as last year. When Writing Please Mention THE FLORISTS' EXCHANGE.

Henry M. Robinson & Co.

Wholesale Commission Florists

Hardy Cut Evergreens and Florists' Supplies



BRONZE GALAX, best quality \$8.50 case of 10,000.
GREEN GALAX, best quality \$7.50 case of 10,000.
DAGGER and **FANCY FERNS**, \$1.50 per 1,000.

Laurel Festooning, Boxwood, Sphagnum and Green Moss, Southern Wild Smilax Leucothoe Sprays, etc.

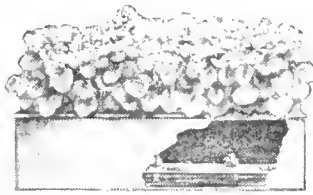


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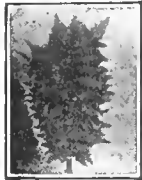


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Send us your orders and be pleased. **LEUCOTHOE SPRAYS**, bronze or green, 40c. per 100. **Ground Pine**, 7c. per lb. or 5c. per yard.

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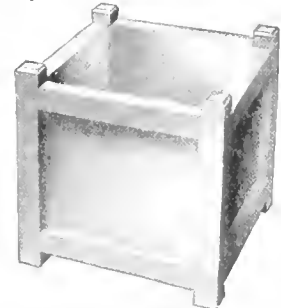
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This is The British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowtham, Notts. Address

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Ever Ready Covers

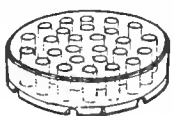
Made of Waterproof Crepe Paper on a Card-board frame, tied neatly with wood slat ribbon. Send 30 cents in stamps and we will send you covers that will fit a 6-inch stand and pot, a 7-inch azalea pot and an 8-inch run, with our illustrated booklet and price list. W. H. Grever, Mgr. Ever Ready Flower Pot Cover Co., 146 Hedges Ave., Buffalo, N. Y.

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A handy article for florists. Sells to the trade on sight. Made of glass in three sizes. The "Anglais" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

M. V. GARNSEY, 132 M. Waiola Ave., La Grange,

ained by the society at a banquet on Wednesday night. Among them were J. S. Wilson, Chicago, Ill.; George A. Kuhl, Pekin, Ill.; H. Blixen, Edwardsville, Ill.; A. T. Hey, Springfield, Ill.; A. S. Halsted, Belleville, Ill.; A. T. Tyler and P. Olsem, Joliet, Ill.; C. Wiley, Murphysboro, Ill.; Ed. Easterday, Kokomo, Ind.; J. F. Ammann, Edwardsville, Ill.

The judges of the exhibition were Andrew Meyer, Sr.; Alexander Waldhart and Robert P. Tesson, who placed the prizes as follows:

Collection of bulbous plants in bloom—Wm. Schray & Sons, first; Koening Floral Company, second; G. B. Windler, third. Fifty foliage and blooming plants—Wm. Schray & Sons, first; C. Young & Sons, second; Koening Floral Company, third. Ten geraniums in bloom—Koening Floral Company, twenty mimonefts—John Held. Twelve cyclamen—same exhibitor. Specimen plants in bloom—Wm. Schray & Sons, first; Koening Floral Company, second. Lily of the valley—Wm. Schray & Sons, first; George B. Windler, second. Violets—Wm. Schray & Sons, first; Koening Floral Company, second.

Display of carnation blooms—Chicago Carnation Company, first with White Perfection, Enchantress, Aristocrat and Winsor; Wieland & Olinger, second; J. W. Dunford, third. Ballous cut flowers—Wieland & Olinger, first; no second.

Fifty white carnations—Chicago Carnation Company, first and second with White Perfection; J. W. Dunford, third with same variety. Fifty light pink—Chicago Carnation Company, first with Enchantress; J. W. Dunford, second, and J. F. Ammann, third with same variety. Fifty dark pink—Chicago Carnation Company, first with Aristocrat; J. F. Ammann, second; J. W. Dunford, third. Fifty red—Chicago Carnation Company, first with Andrew Carnegie; no second. Fifty any other color—J. F. Ammann, first with Rose Pink Enchantress; J. W. Dunford, second with Harlowarden.

Four vases of roses, four varieties—Koening Floral Company, first; Fred H. Meinhardt, second. Twenty-five American Beauty—Koening Floral Company, first; Wieland & Olinger, second. Twenty-five white roses—J. F. Ammann, first with Ivory; Wieland & Olinger, second with Bride. Twenty-five pink roses—J. F. Ammann, first with Mme. Abel Chateaux; Wieland & Olinger, second with Bridesmaid. Twenty-five red roses—J. F. Ammann, first with Richmond; no second.

Display of lily of the valley—Fred H. Meinhardt, first; no second. Display of violets—Koening Floral Company, first; no second.

Floral basket in this class the only exhibitor was Fred H. Weber who showed three baskets, one of Richmond roses, one of Killarney and one of primroses. The judges awarded him all three prizes. Display of cut flowers in vases—Wm. Schray & Sons Company, first; Koening Floral Company, second.

News Notes.

Harry Rieman, who of late has worked for several florists throughout the city, and who was some years back of the firm of Rieman and Chandler, has come to grief. The police arrested him last week for passing forged checks. C. Bergestermann and George Waldhart are among the victims, and a number of others who are as yet not known.

James S. Wilson, during his recent visit here, made it known that in four months he will leave the employ of Vaughan's Greenhouses at Western Springs and open up for himself in Des Moines, Ia. He has already started the place and his son is running it. His host of friends in the trade here extended him the glad hand and wished him well.

Frank Kuhle, late with Fleischman, Chicago, has taken a position with Mrs. M. M. Ayers. ST. PATRICK.

HARDY CUT FERNS



Fancy or Dagger, \$1.00 per 1000. Good quality. Twenty years' experience.

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In all varieties. Also Moss, Fibre Needles, Pine Cones, Uva Grasses, etc. Buy from HEADQUARTERS Florida Natural Products Co. fernandina, Fla.

March 21, 1908

Baltimore.

News Notes.

At the Hotel Rennert, on March 8, 1908, a meeting of the executive board of the Maryland Horticultural Society was held. Arrangements were made for the Summer meeting which will be held at White Marsh, Md., September 22, upon invitation of R. Vincent, who was present at the meeting. The Winter meeting and exhibition will be held December 1, 2, and 3 at the Fifth Regiment armory in Baltimore. The president was instructed to order two silver medals, suitably engraved for the two new roses, My Maryland and Queen Beatrice, exhibited at last show by John Cook, F. H. Kramer, Washington, respectively; each was awarded a medal. An extensive floral and agricultural exhibition is assured for the Winter meeting.

Mr. Vincent announced that he is about to make a two months' tour of the flower raising and horticultural sections of England, France, Belgium and Holland. Mr. Vincent will be accompanied by his wife and two grandchildren and will leave New York on April 4 for Glasgow.

An additional 152 acres of land have been purchased for park purposes in northeast Baltimore. The present board has acquired seven additional parks in three years, each park from 60 to 248 acres in area, aggregating 950 acres of land. C. L. S.

Kalamazoo, Mich.

State of Trade.

Leat appears to have had more effect in further diminishing business than usual. Trade is reported very quiet just now and not much prospect of increase till the annual Easter openings commence. From all indications this season will be an off one so far as profits are concerned, and those who will come out even at the end should be satisfied.

Your esteemed Cincinnati correspondent's remarks in last issue sum up the situation very nicely, but I am afraid his advice is far too sensible for the average grower to appreciate, let alone follow.

I am glad to be able to notice a more Spring-like feeling in the weather which reduces the strain on the coal bill quite largely, besides strengthening the transient sales somewhat.

The melting of the snows caused the Kalamazoo river to overflow its bed and did a considerable amount of damage in Kalamazoo, and Battle Creek as well as the villages around. While one or two florists were on the anxious seat for a few days the floods subsided without causing any more than a little extra trouble, and no damage to speak of has been suffered by the Kalamazoo growers.

Truck gardening seems to be having a boom here this year. I presume largely on account of the industrial situation remaining dull; therefore "back to the land" appears to be the motto of some of the workers of the city.

The nurserymen are getting ready for the Spring rush and consider the orders received will be most satisfactory, some claiming a goodly increase of trade over last year's. S. B.

Washington, D. C.

News Notes.

Mrs. Mary Elizabeth Shaffer, mother of George C. Shaffer, the well-known retail florist, died at her home in this city on the morning of March 16. The sympathies of florists generally are extended to the bereaved family.

The ladies' auxiliary of the florists' bowling team is scheduled to play the Department of Agriculture team on the night of the 19th. J. L. C.

ALBANY, N. Y. Among Albany's florists Amos F. Balfourt might be considered its youngest. Mr. Balfourt, while only 26 years of age, not alone is an artist in floral work, but also a practical florist, having followed up the business since a boy. Several years were spent in the employ of L. Menand, florist, Cemetery avenue, during which time he gained a practical knowledge of floriculture. At the present time Mr. Balfourt's establishment numbers three greenhouses, and a store located at 121 Northern boulevard, corner Clinton avenue.

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is the
**STRONGEST,
BEST PACKED,
EASIEST APPLIED**

24 sheets . . . \$0.75
44 sheets . . . 3.50
288 sheets . . . 6.50
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**Furnishes the Most
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Over 40% Nicotine
By far the
CHEAPEST.

Just Note Prices:
Pint \$1.50
1/2 Gallon 5.50
Gallon 10.50
5 Gallons 47.25



THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

Boston.

The Week's News.

Professor H. S. Jackson of the Delaware Experiment Station was the speaker at the weekly meeting of the Massachusetts Horticultural Society on Saturday. His subject was "Disease Resisting Varieties of Plants and their Development." There will be no lecture to-day on account of the Spring show, and on the 28th inst. there will be a conference on grape growing.

The New England Dahlia Society will hold an exhibition in this city September 17, 18 and 19 next. As a central location was deemed necessary for successfully holding a dahlia show Lorimer Hall and Gilbert Hall of Tremont Temple have been secured. Over \$500 will be offered in prizes, and the schedule, which is now in preparation, will appear in the April issue of the Dahlia News. The March Dahlia News will be a double number containing the classification of the dahlia.

Penn. the Bromfield street florist, is handling some superb plants of cyclamen, grown by G. M. Anderson, Milton, Mass.

Hoffman has an artistic store in the fashionable Back Bay district; he has some very fine forced rhododendrons and lilacs as a specialty.

Houghton & Clark have a well established trade and their store is at all times a place of activity.

The new Boylston street store mentioned last week is known as the Kensington Flower Shop, and as it is in a fine location its success is assured.

The Rosary, since its enlargement, is one of the finest stores in the Back Bay district. The firm has now ample room for the handling of its ever increasing trade.

H. M. Robinson & Company report business much better than expected, and showing a considerable increase over the corresponding season last year.

Paine Brothers, Randolph, Mass., are cutting some excellent narcissus at present.

Violets have been very plentiful during the past week.

John J. Fee, Jamaica Plain, has a fine lot of tulips, Murillo, Rose Hawk and Flamingo being superb varieties.

Shamrocks have been very popular in Boston this season, the total sales having exceeded by many thousands those of any previous year.

J. W. DUNCAN.

DAVENPORT, IA.—The Tri-City Florists' Club met and elected officers last week at the home of Harry Bills on Brown street, and changed the place of their annual banquet from Moline to Rock Island on March 19. The officers elected are: President, Wm. Knees, Moline; vice-president, Harry Bills, Davenport; Henry Gaethje, Rock Island, and Mr. Becker, Moline; secretary, J. T. Temple, Davenport; financial secretary, Theo. Ewaldt, treasurer, C. O. E. Boehm, Davenport; executive committee, E. Anderson, Moline, Henry Pauli, Davenport, and H. Meyer, Rock Island.



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BUG KILLER
AND
BLOOM SAVER**

For PROOF Write to
P. R. PALETHORPE CO.
Owensboro, Ky.

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,
104 BOYLSTON ST., BOSTON, MASS.

**Cattle Manure
In Bags Shredded or
Pulverized**

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
The Pulverized Manure Co.,
34 Union Stock Yards, Chicago

SHEEP MANURE

Pulverized. Free from all Adulteration
In Bag, \$18.00 per Ton.

ROBERT SIMPSON,
CLIFTON, N. J.

Indianapolis.

News Items.

Wholesale trade is very good and retail trade is not to be complained of; so say the growers, though much of their stock is lost, as the production is far greater than the most sanguine would expect to dispose of.

John Hartje has bought ten acres of ground south of the city. Mr. Hartje expects to have an up-to-date range of glass on it before Fall.

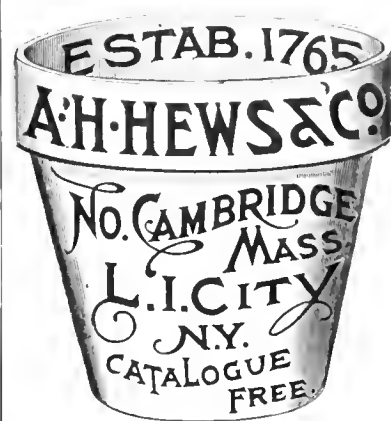
Quite a number of local florists expect to attend the Chicago rose show.

Paul Brandlein is cutting from a house of extra fine Ten-Week stocks.

The executive committee of the State Florists' Association held a meeting last week to dispose of important business matters.

Visitors: J. S. Stuart, Anderson, Ind.; G. Reising, Chicago, Ill.; Mr. Hall, with Reed & Keller, New York.

I. B.



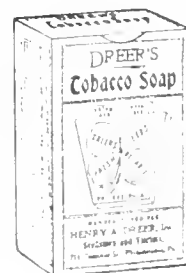
Standard Flower Pots

Packed in small crates easy to handle

Price per crate	Price per crate
1500 2in. pots in crate, \$4.25	1207 in. pots in crate, \$4.25
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500 3 " " " " 6.00	400 4 " " " " 6.00
500 3 1/2 " " " " 6.00	400 4 1/2 " " " " 6.00
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144 6 " " " " 6.00	400 6 " " " " 6.00

Seed pans, same price as pots. Send for price list of cylinders for cut flowers, hanging baskets, lawn vases, etc. Ten per cent. discount with order.

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August Rohrer & Sons, Arts., 1 Broadway St., N. Y. C.



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Florist Specialties**

TOBACCO SOAP

This soap is made of the finest tobacco leaves and is the best for use in the florist's shop. It is sold in packages of 100 and 500 bars. Retail at 25 cts.
HENRY A. DREER,
214 N. 4th St.,
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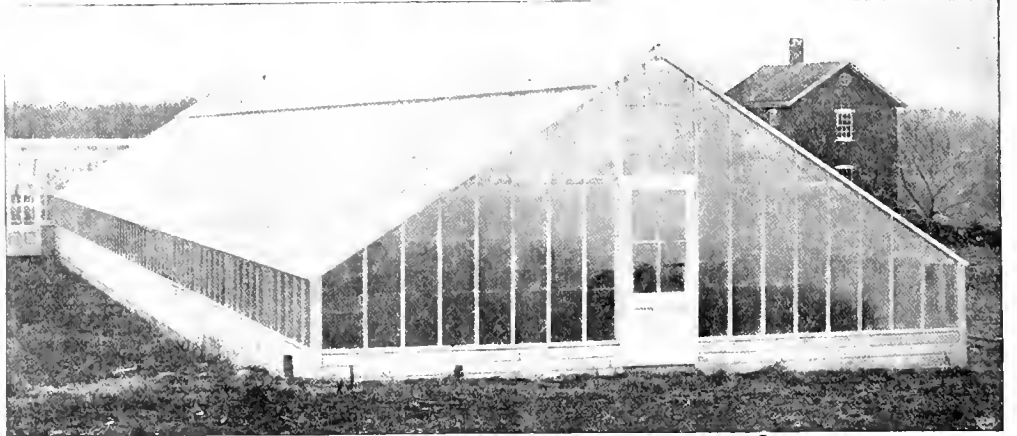


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A great improvement on the all wood house and less costly than the ALL IRON FRAME

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1170 Broadway, New York



Heating.

Growers' Problems Solved by U. G. Scollay.

Please give size of supply pipe for steam for the following houses: Number 1, 56x100 feet, 20 feet high to ridge, 4 feet glass on one side only, glass ends; number 2, 33x150 feet, no glass on sides, glass on ends, 16 feet to ridge. What is a safe distance to take steam away from the boiler in greenhouse work, pressure five pounds? Should returns for steam be as large as supply pipes? F. R. Penna.

—You do not state the temperature at which you desire to keep these houses, so I will assume about 60 degrees in zero weather. The main steam line from the boiler should be not less than 5-inch, the main steam line for the 56x100 foot house 4-inch, and the 33x150 foot house 3½-inch. If you desire to use more than one main, which you probably will, in each of these houses you can distribute the mains with smaller sizes, only be sure to have the aggregate area of these mains equal the sizes mentioned above. The main return at the boiler should be not less than 2½, and you will be safe if you have the return for each house equal 2½-inch. The above calculations are based on the boiler being within a reasonable distance, say 25 feet, of the greenhouses. If you are compelled to run in any great length between the boiler room and the greenhouses, underground, I shall require more definite particulars. With steam at 5 pounds pressure, the boiler can be placed at a considerable distance from the structure to be heated, provided the capacity of the mains will allow for the distance, and the boiler power is sufficient. In your case, since you ask the question as to how far it will run, I would state that I would not like to give any set distance, for it might mislead others. It would be best for me to study each individual case, and then increase my mains as the conditions call for. In any event, in case you use a series of smaller mains than those specified, do not use anything smaller than 2-inch. U. G. SCOLLAY.

WORCESTER, MASS.—On Wednesday, March 11, 1908, the Worcester County Horticultural Society held its annual banquet and reunion in Horticultural Hall, about 250 people attending. John B. Bowler was toastmaster and among those who spoke of their work, and told entertaining stories were: C. S. Gold, president of the Connecticut Pomological Society; I. L. Harvey, vice-president of the New Hampshire Horticultural Society; J. W. Clark, the new president of the Massachusetts Fruit Growers' Association; Prof. F. C. Sears of the Massachusetts Agricultural College; Edwin H. Burlingame, secretary of the Rhode Island Horticultural Society; Dr. George M. Twitshell of Augusta, Me.; A. Warren Patch of Boston, and Joseph K. Greene. The Midgley quartet, composed of Edward C. Midgley, Mrs. Harry Hildreth, and Mr. and Mrs. Percy G. Forbes, sang selections, while Mr. Forbes and Mr. Midgley sang two duets. The exercises closed with a selection by the quartet. The guests adjourned to the main hall, where the Light Infantry orchestra played for dancing until 12 o'clock.

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Summer Ave. and Erie R.R. Newark, N. I.
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PEERLESS
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HENRY A. DREER,
714 Chestnut St., Phila., Pa.

Low Boilers
4 ft. high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet. **FREE HOSE TRIAL, PIPE FITTINGS, VALVES, etc.**
WM. H. KAY, CO., 244 Fulton St. N. Y.

BROOKLINE, MASS.—Robert B. Leachars, whose death was recorded in last week's issue, was born in Dundee, Scotland, in 1823, his ancestors being gardeners and nurserymen. He came to this country at the age of twenty-five. He worked at a greenhouse in New Haven and studied chemistry at Yale, forming a friendship with Professors Siliman and Dana. He established a large nursery at Wollaston, which place has taken his name from his estate near Quincy. In 1851 Mr. Leachars published "A Practical Treatise on the Construction, Heating and Ventilation of Hot-houses," the introduction to which was written by Professor Benjamin Siliman and James D. Dana.

ST. JOSEPH, MO. The florists of this city were victimized by a swindler who appeared before them "cum magna fletu" and told about his child dying and wanted flowers. In payment he presented a check which was cashed, then vanished. D. M. Reichard, Stuppy Floral Company and Ed. V. Myers are losers on checks.

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in all and every way over any and every other heating boiler is the claim we make and will prove for the
NEW DUNNING BOILER
Easiest to set up, connect, operate, regulate, clean and pay fuel bills for. Smallest fuel expense with largest heating results.
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Specified for Thirty Years by U. S. Government for its Army Posts and Many P. O. Buildings.
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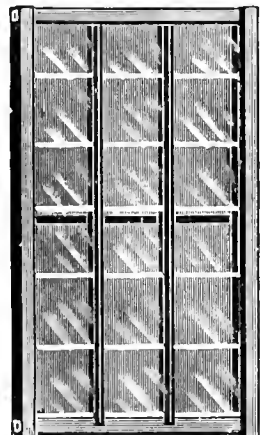


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 5000 feet 1 inch pipe, 3c. per ft.; 5000 feet 1 1/4 inch pipe, 4c. per ft.; 3000 feet 1 1/2 inch pipe, 5c. per ft.; 2000 feet 2 inch pipe, 6 1/2c. per ft.
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Our new catalog will be sent anywhere on request. Ask for one.

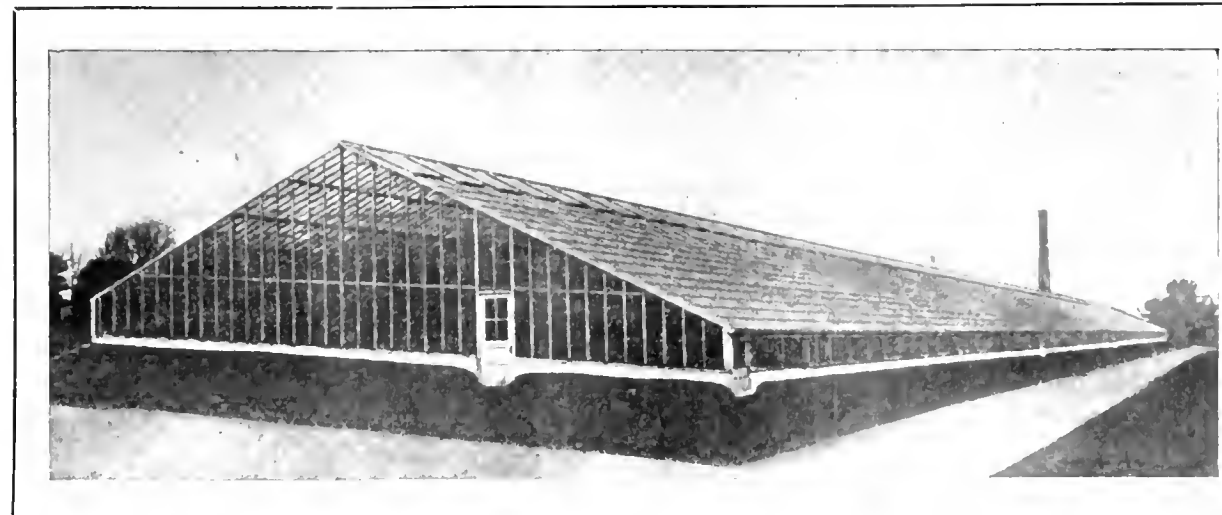
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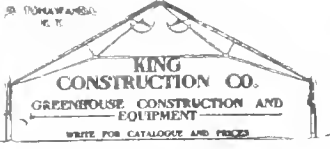
Have not been established 50 years, but long enough to convince the wide-awake Florist and Gardener that it is to his interest to place his work in thoroughly practical hands.
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And why not? My material is the best that can be secured. My iron frame construction has every modern feature that years of practical experience can embody.
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Asparagus Sprengeri, 3 in. pots, \$4.00 per 100.
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Carnations, strong rooted cuttings. Write for list of varieties and prices
Stock Iron 2 1/2 in. pots, \$3.00 per 100.
Ageratum: Inimitable, Princess Pauline, Blue Perfection; Salvia: Zurich and Bonfire.
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Fuchsias, Elm City; Arabella; Black Prince; Avalaooche; Lord Beaconsfield; gracilis,
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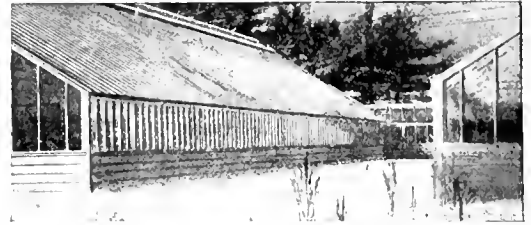
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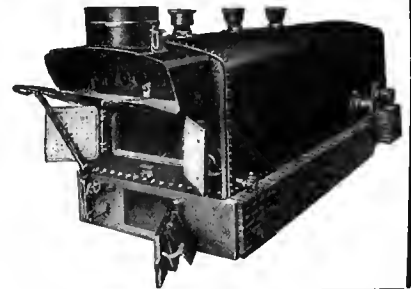
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VOL. XXV. NO. 13

NEW YORK AND CHICAGO, MARCH 28, 1908

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A prominent carnation grower writes: "You seem to be THE ONLY FIRM IN THE BUSINESS THAT KNOWS HOW TO PACK STOCK AND HAVE IT REACH THE BUYER IN GOOD CONDITION, and I have always found your cuttings cheaper than the same varieties from others at much lower figures."

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the best all-round white carnation, on account of its large size, long stem, earliness, and productiveness. Our White Enchantress, exhibited at the Carnation Convention at Washington, was the only White Enchantress exhibited that received an award.

Strong-rooted cuttings, now ready for delivery, from sand, \$6.00 per 100, \$50.00 per 1000; from soil, \$7.50 per 100, \$60.00 per 1000.

Buyers will find transplanted stock offered from soil well worth the difference in price


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VICTORY, MELODY and WHITE PERFECTION, from sand, \$4.00 per 100, \$35.00 per 1000; from soil, \$5.00 per 100, \$45.00 per 1000.

VARIEGATED LAWSON, WHITE LAWSON and RED LAWSON, from sand, \$3.00 per 100, \$25.00 per 1000; from soil, \$4.00 per 100, \$35.00 per 1000.

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We handle this Asparagus both in seeds and plants of all sizes in very large quantities and make any close price on larger amounts on application. Our seed is pure, fresh, of best commanding quality and extra-sharp, etc.

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Field grown roots, **per doz. \$2.00, per 100 \$15.60**
 Quantity Limited

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GIANT PANSY, Best large-flowering, mixed, critically selected, 5000 seeds, \$1.00; half pkt., 50c.

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For Growing and Shipping Plants

Made of Extra Heavy Manila Waterproof Cardboard, Fertilized, Wire Stitched Seams, Perfect Drainage and Shipped Flat.

If you grow Tomatoes or Pot Plants you cannot afford to pass over this.

These square pots economize space, give more room to the roots than the tapering round pots. In setting out plants the pots are not removed. Simply unlock the bottom flaps and turn them up (see cut), allowing the roots to grow down.

Size: Gross Wght. pr 1000 Pr 250 Pr 1000
 2 1/2 in. about 30 lbs. \$0.75 \$2.25
 3 in. about 40 lbs. 1.00 3.50

In setting out plants unlock the bottom, pull pot up one inch, and you have a wall to protect the roots against Grubs and Worms.

STUMPP & WALTER CO.
 50 Barclay St., NEW YORK

You Know

that a handsome bow of ribbon adds wonderfully to the effectiveness of your flowers. Here comes Easter with your sales of plants and flowers. That big bow must look right. The color must harmonize, the ribbon must be lustrous.

And yet—not too expensive, and just here **Pine Tree Ribbons** come in. Pine Tree Ribbons harmonize. Pine Tree Ribbons are lustrous. Pine Tree Ribbons are not expensive. Not expensive, because with your supply house and jobber's profit cut out, you.

Save All Between Profits

The Pine Tree Silk Mills Company

Philadelphia

Office and Salesrooms: 806-808-810 ARCH STREET
 Address Dept. E, 52-54 N. EIGHTH STREET

This Spring's colors are superb. The new coral and grammin and apple shades are wonderful with azaleas. Drop a postal for samples.

ONION SETS

Chicago produces the best ONION SETS in the country and our this year is not only full but of the very highest quality. Write us for prices.

KNUD GUNDESTRUP
 4273 MILWAUKEE AVENUE CHICAGO

Francis Brill Choice Seeds

GROWER and DEALER

Hempstead, L. I. NEW YORK

For Gardeners, Truckers and Plant Growers
 Long Island Cabbage Seed, Cauliflower, Egg, Pepper, Tomato, Etc.
 Price Lists Free Quality Finest Wholesale and Retail

PANSIES

THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants in bud and bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000, \$2.00 per 500.

PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

E. B. JENNINGS, SOUTHPORT, CONN.
 Lock Box 254
 Grower of the Finest Pansies

NEW CROP FLOWER SEEDS

Verbena Mammoth, in colors or mixed, 1/4 oz. 30c., oz. \$1.00.

Salvia Splendens, 1/4 oz. 35c., oz. \$1.25.

Salvia Bonfire, 1/4 oz. 75c., oz. \$2.50.

Lily Valley, Early Forcing, to close out, per 1000, \$11.00.

Fresh Tobacco Stems, Bale of 300 lbs. \$1.50.

W. C. BECKERT, Pittsburg, N. S. Pa.

Cycas Stems

(SAGO PALM) True Long-Leaved Variety With grade the sizes to suit buyer. 25 lbs. at 75c., 100 lbs. at 7c., 300 lb. case \$19.00.

ASPARAGUS SEEDS (TRUE GREENHOUSE GROWN)

100 seeds, 50c., 250 seeds, \$1.20, 1000 seeds, \$3.50, 5000 seeds, \$15.00. SPRENGERI, 250 seeds, 25c., 1000 seeds, 75c., 5000 seeds, \$3.00.

Choice Named Dahlias

From a prize collection—send for list. \$1.25 per doz., \$6.00 per 100, \$50.00 per 1000.

MIXED DAHLIAS—Large undivided roots—the stock that always commands a ready sale. 75c. per doz., \$4.50 per 100, \$40.00 per 1000.

We carry a full line of Summer Flowering Bulbs Write for wholesale list JOHNSON SEED CO. 217 Market St., Philadelphia, Pa.

PALM SEEDS Kentia Forsteriana, March \$0.50 \$4.50 Kentia Belmoreana, March .50 4.00 Coros Weddeliana, Immediate 1.00 7.50 Areca lutescens, April 1.00 7.50 Latania Borbonica, February .30 2.50 Livistona rotundifolia, Apr. 2.00 17.50 Livistona Chinensis, 1.00 7.50 Phoenix rupicola, March .50 3.00 Phoenix reclinata, March .50 3.00 Phoenix Canariensis, Mar. .30 3.00 Pandanus utilis, Immediate 1.00 8.00 ASPARAGUS PLUMOSUS NANUS, true greenhouse grown seed, 100 sds. 60c.; 250 sds. \$1.20; 1000 sds. \$4.00; 5000 sds. \$18.00; 10,000 sds. \$35.00. ASPARAGUS SPRENGERI, 250 sds. 25c.; 1000 sds. 75c.; 5000 sds. \$3.00. DRACAENA INDIVISA (seeds), oz. 30c.; 1/4 lb. \$1.00. Catalogues free. ARTHUR T. BODDINGTON Seedsman 342 West 14th Street, New York City

BURPEE'S SEEDS PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

S.M. ISBELL & CO. JACKSON, MICH. CONTRACT SEED GROWERS Bean, Cucumber, Tomato, Pea, Muskmelon Squash, Watermelon, Radish, Sweet Corn Correspondence Solicited Write for Prices on Surplus Stocks for Immediate Shipment

ROGERS BROTHERS SPECIALTY GROWERS PUREST STRAINS GARDEN PEA AND BEAN SEED FOR THE WHOLESALE TRADE ALPENA - - - MICH.

FISKE SEED CO. Make a specialty of ASTER SEED All the leading varieties Also FLORISTS' SEEDS for immediate planting H. E. FISKE SEED CO. 12 & 13 Faneuil Hall Square BOSTON, MASS.

Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

Asparagus Plumosus Nanus Seed True Greenhouse 100 1000 5000 grown \$0.50 \$3.50 \$15.00 Aspar. Sprengeri 1908 crop .15 .70 3.00 Begonias, Tuberos Rooted Single to color in white, scarlet, rose, yellow, salmon, deep red, \$0.35 \$2.25 \$20.00 All colors mixed .30 2.00 18.00 Double Tuberos Rooted Begonias To color, white, crimson, rose, yellow, orange, scarlet, salmon \$0.30 \$4.00 \$38.00 All colors mixed .50 3.75 35.00 Caladium, (Elephant's Ear) 5x7 fine bulbs with center shoots .40 \$0.30 \$2.00 \$15.00 7x9 fine bulbs with center shoots .50 3.00 22.00 9x11 fine bulbs with center shoots .75 5.00 40.00 Monsters 1.50 10.00

Fancy Leaved Caladiums One of the most useful foliage plants for florists as centers in fern dishes, vases, for window decoration, etc. \$1.50 \$10.00 Mixed 1.00 7.00

Address H. H. BERGER & CO. 70 Warren St., NEW YORK

True Brazilian Stock at Cost Price Must be seen, in gorgeousness of coloring unsurpassed. 12 100 Named Sorts \$2.50 \$18.00 Mixed Sorts 2.00 15.00 Gladioli Florists' Light and White 100 1000 XXX \$2.00 \$15.00 Named sorts. Send for list.

Tuberose Ex Dwarf Pearl 1x6 extra fine stock \$1.00 \$8.00 2d Size .50 4.00 Dahlias Named Show and Deora 12 100 five whole field roots \$1.00 \$6.00 Fern Seedlings From flats all best sorts \$1.25 \$10.00 From 2 1/2-in. pots; your choice of sorts 3.00 25.00 Orders looked now for Lil. Harrisii, Giganteum, Formosum, French and Dutch Bulbs, Azaleas, etc.

C. C. Morse & Co. SEED GROWERS. San Francisco, Cal. Address all communications to our permanent address, 48 to 56 Jackson Street. ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES Warehouse, Santa Clara. Farms and Farm Headquarters, Carnadero, near Gilroy.

W. & D.'S SPECIALTIES FOR 1908 Tomato, "The Don," best for forcing. Goudblower, First and Best, Onion, Alisa Craig, Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spawn, English and Pure Culture, Mignonette, N. Y. Market. New Catalogue now ready. Free on application WEEBER & DON, SEED MERCHANTS AND GROWERS 114 Chambers St., NEW YORK

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendal, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

ROCHESTER, N. Y.—Report has it that a New York seedsman and florist is looking for a location in this city.

WASHINGTON, D. C.—On March 20, 1908, a bill reported to the house from the committee on interstate and foreign commerce makes it a misdemeanor to carry on interstate or foreign commerce in any seeds or bulbs which are adulterated or misbranded. For example, if seed purporting to be Kentucky blue grass contained seed of Canada blue grass, such mixture, under the proposed law, would be regarded as an adulteration.

The report on this measure declares that the United States has become the dumping ground for all the worthless seed of the world. All seed looks alike to the average man, says the report. He doesn't know the difference between turnip seed at 40 cents a pound, cabbage seed worth \$2 a pound, and cauliflower seed sold at \$10 a pound.

The report says: "The frightful extent to which adulteration of seed has grown in our country is a menace to the interests of the farmer, the gardener, the horticulturist and the honest seedsman. Seed that is held over until the germ is dead and the vital force entirely gone is mixed with fresh seed of the same kind and the mixture sold as fresh seed."

NEW BUILDING OF DEPARTMENT OF AGRICULTURE, Washington, D. C.—The new structure for the department is now complete, and the work of moving the various bureaus that are to have quarters in the two wings began last week. The central structure, which is designed to connect the two wings, will be erected as soon as Congress makes an appropriation for the purpose. Senator Dooliver has already introduced a resolution in the Senate providing for the erection of the main building. It is thought that the appropriation will be voted at the present session of Congress. The Bureau of Plant Industry, the Bureau of Animal Industry, the Office of Experiment Stations, and the library have been assigned quarters in the new structures. The department has been greatly handicapped in its work by being so widely scattered, and it is thought the business will be greatly assisted by the improved quarters.

IMPORTS OF SEEDS, ETC.—March 19.—J. M. Thorburn & Company, 15 bags grass seed; McLutchison & Company, 29 cases plants; F. B. Vandegriff & Company, nine cases plants, March 20. S. S. Clyde Company, one case bulbs; H. M. Baker, 24 cases bulbs, 53 cases plants, March 21 and 22. H. Nungesser & Company, 650 packages seed; F. B. Vandegriff & Company, 39 packages plants; Maltus & Ware, four packages plants; J. M. Thorburn & Company, one bag seed; C. C. Abel & Company, three cases live plants; Schulz & Ruckhaber, 17 bags seed, 151 bags clover seed; Barnard Company, 39 bags seed; R. J. Golyvin's Sons, two packages plants; H. P. Barrow, two bags bulbs, two packages seed; H. Bischoff & Company, three cases trees; W. A. Munda, two cases plants and bulbs; Stump & Walter Company, eight cases plants; P. H. Peary & Company, three cases plants; J. W. Hampton, Jr. & Company, 29

Vick Quality Asters

INTRODUCED BY US GROWN EVERYWHERE SEND FOR OUR NEW Illustrated and Descriptive Aster Book for Florists It describes in detail, not only the varieties originating with us but also all other leading sorts. The largest and handsomest work of its kind ever issued. EVERY FLORIST OUGHT TO HAVE Vick's Wholesale Catalogue which gives prices on all the best varieties of flower and vegetable seed; plants for greenhouse and outdoors; splendid assortment of bulbs. Both of these catalogues are free. JAMES VICK'S SONS ROCHESTER, N. Y. The Leading Specialists and Largest Growers of High-Grade Asters in the World.

Caladium! Gladiolus! Tuberoses!

Quality the best; prices the lowest; the finest in the country. 100 1000 GLADIOLUS Augusta, extra fine \$2.00 \$17.50 CALADIUM ESCULENTUM, 6-8 \$1.25 \$10.00 GLADIOLUS, extra fine, mixed 1.00 7.50 TUBEROSSES, Mammoth 1.00 9.00 Prices on all other bulbs and plants cheerfully given. F. W. O. SCHMITZ, Prince Bay, N. Y.

A HALF MILLION CALLA BULBS FOR SALE CAELA ETHIOPICA BULBS, 7 to 8 inch circumference \$65.00 per 1000 5 to 7 " 40.00 3 to 5 " 25.00 250 at 1000 Rates. Freight Prepaid when Cash is sent with Order. Orders booked now for July shipments. A. MITTING, 17 to 23 Kennan St., Santa Cruz, Cal.



cases plants; W. Elliott & Sons, six cases plants; J. M. Thorburn & Company, four cases plants; R. F. Lang & Company, 17 cases plants; Ammermann & Patterson, 10 cases plants; H. P. Barrow, 31 packages plants; C. A. Haynes & Company, one case plants; McClutchison & Company, 98 cases plants; W. Elliott & Sons, 10 cases plants; P. Ouwerkerk, 75 cases trees; Maltus & Ware, 216 cases and eight packages plants, three cases flower roots, 56 cases trees and shrubs; C. B. Richard & Company, 16 packages plants, 55 cases plants; A. Rölker & Sons, 49 packages plants; A. Murphy & Company, seven cases plants; Hussa & Company, two cases plants; J. M. Thorburn & Company, two bags seed; Tice & Lynch, 13 bags garden seed; R. J. Godwin's Sons, 20 bags garden seed; McClutchison & Company, two cases plants; Vaughan's Seed Store, eight cases plants; Maltus & Ware, 16 cases plants. March 23.—J. M. Thorburn & Company, one bag seed; C. C. Abel & Company, three cases live plants; Schulz & Ruckgaber, 17 bags seed, 151 bags clover seed.

Seed Trade Notes.

The splendid manner in which trade has developed during the past week has surprised most seedsmen as much as it has delighted them; and when it is carefully considered that the steady daily volume of increasing orders has materialized in the face of much colder and not at all Springlike weather, it surely means that after all we are to have a very active and lucrative season. It has been too cold on an average the past fortnight to do a really great cash-over-the-counter business, but so many large orders from market gardeners, institutions, and other large planters have been placed that the full capacity (including night work) of all our seed houses will not again be able to catch up with the orders until the end of the season of 1908. I think that a fair average of the orders now being received each day would take at least two days to fill them, so to speak. Trade has certainly very suddenly assumed enormous proportions for the month of March. Stocks are short enough to make buyers anxious, and prices are good.

It is to be regretted that already many varieties of popular garden seeds have been practically disposed of, that is, as far as the wholesale seedsmen are concerned. Such items as White Globe Southport onion; Stowell's Evergreen, and Country Gentleman sweet corn, Chinese giant pepper, New York Improved egg plant, certain sorts of muskmelons, and Lima beans are mostly in planters' hands; for this year is no exception to the well fixed rule that it is always the scarce things that everybody wants, asks for first, and insists upon having while obtainable. Of course, many customers will be much disappointed when they come for their seed supplies later in the season, only to find that many of their favorite sorts are unobtainable; but there are seeds of good and desirable varieties enough for all, and being obliged to use other varieties than usual may result in much good to the planter and seedsman as well, by influencing a wider use of our many fine, but somewhat neglected, vegetables.

It is now perfectly evident to all well informed members of the seed trade that while onion seed may be somewhat lower in price next season than present rates, still no great price reduction is expected. There are several valid reasons for such a conclusion; in the first place, the onion bulbs themselves for this season's setting are far from plenty, and as a consequence are held at high rates. Again, so large have been the losses of the onion seed growers last season and for some years previously that only at stiff prices will they accept contracts for onion seed for the sales of 1909.

All indications, carefully considered from every section of the country, now point to about an average early planting season; surely this outlook gives the greatest satisfaction everywhere.

W. ATLEE BURPEE writes, under date of March 16: "My present intention is to get back from my Spring trip to California in time for the American Seed Trade Association convention in Detroit, June 22, and then a week after my return sail with my family July 4 for London to see the sweet peas in England. It requires considerable attention just now to keep track of all the numerous seedlings of Countess Spencer."

European Notes.

At last the supply of overhead moisture appears to be exhausted and drier although very gloomy conditions prevail. In spite of this the plants of florists' flowers continue to make remarkable progress.

During the present week the writer has had the pleasure of seeing James's strain of giant cinerarias which are now at their best. Quite a large number of the flowers are from 4 to 5 inches in diameter and of elegant form and good substance, while the colors are simply splendid. Acting on the advice of his friends Mr. James has introduced a much larger proportion of ringed flowers; i. e., flowers with white centers. This has considerably enlivened the effect of the strain, and as the ringed flowers are some of the largest there is no diminution in size. The results have been most satisfactory, for while the 1907 crop was a record one, the stock is quite exhausted and many recent orders cannot be filled until the new crop seed is ready.

A good article easily sells itself if it is what the public requires.

As regards calcularias, Mr. James has at last decided to discontinue growing the immense plants which used to delight visitors to the May exhibitions in London and is now only growing plants in 32's. Calcularias are such delicate subjects to handle that the loss of one exhibition plant is a serious matter. The demand, which was rather slack a few years back, has now revived and continues to increase.

For bedding purposes, the French variety which E. Benary has introduced this season under the name "Triumph of the North" cannot be too strongly recommended. It also makes a very elegant pot plant.

By the way, growers who wish to obtain blooms of the mammoth proportions of those exhibited by James should follow his example and grow them close up to the glass.

The one aim of the Dutch grower appears to be to kill the goose that lays the golden eggs. Peas, pole beans, Windsor beans and nasturtiums are cases in point. As regards the latter article the following extract from the special offer of a large grower is very interesting: "For your government we can tell you some growers have lost the fancy for this article, so we expect only a small acreage to be grown this year." *Verb. sap. sat.*
EUROPEAN SEEDS.

CATALOGUES RECEIVED.

S. J. GALLOWAY, Eaton, O.—Wholesale Price List of Florists' Stock.

C. VAN TOL, Katwijk, Holland.—Illustrated and Descriptive Catalogue of Bulbs, Roots, etc.

J. GAMMAGE & SONS, Ltd., London, Ont.—Wholesale Price List of Florists' Plants and Supplies.

M. L. CARR'S SONS, Yellow Springs, O.—Price List of Surplus Stock of Evergreens, Trees, etc.

SCHAUM & VAN TOL, Boskoop, Holland (McClutchison & Company, New York, Sole Agents).—Wholesale Trade List of Nursery Stock.

NORTH END NURSERIES (Chester F. Brainard, proprietor), Thompsonville, Conn.—Descriptive Illustrated Catalogue of Trees, Shrubs, Plants, Bulbs, Roots, etc.

THE FLUSHING NURSERIES, Flushing, N. Y.—Catalogue of Choice Nursery Stock, including Japanese Maples, Deciduous Trees, Magnolias, Specimen Shrubs, Vines, Creepers, Conifers, Evergreen Shrubs, Azaleas, Rhododendrons, Roses, Peonies, etc. Profusely illustrated and neatly printed.

HOWARD & SMITH, Los Angeles, Cal.—Illustrated Descriptive Catalogue of Roses, Lulhias, Cannas, Chrysanthemums, Perennials, Flowering Shrubs, Ornamental Trees, Hedge Plants, Vines, Grasses, etc. Cactus-flowered Zinnias and the Transvaal Daisy have been selected for cover design subjects. An interesting catalogue.

AMERICAN NURSERY COMPANY, 150 Broadway, New York.—Descriptive Catalogue of Choice Trees, Evergreens, Shrubs, Vines, Roses, Hardy Perennials, Fine Ferns, etc. A comprehensive and interesting catalogue, profusely illustrated. The common and scientific names are given, rendering the catalogue valuable for reference purposes. The method of listing the heights of the different subjects enumerated will be found most serviceable. There is likewise furnished a host of other information. Also Wholesale Price List of Nursery Stock.

Lilium Harrisii

The best grown. Absolutely pure stock. Free from disease. Apply at once to

George W. West, Shelly Bay, Bermuda

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

Special Offer

LILIUM AURATUM, 100 1000
11 to 13 in\$1.00 \$35.00

DOUBLE BEGONIA BULBS,
under color 3.00 25.00

V. H. Hallock & Son
QUEENS, N. Y.

GLADIOLUS BULBS

100,000 from 1 1/2 inches up at \$4.00 per 1000. 100,000 1 to 1 1/2 inches at \$2.00 per 1000. Cash with order. Description given on request.

Nice block of CALIFORNIA PRIVET, \$10.00 per 1000 and up as to quality, write for particulars.

Nice lot of AMERICAN CHESTNUT TREES at a bargain. 35 large SUGAR TREES, most of them sample trees.

I. & J. L. LEONARD, Iona, N. J.



FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Para Culture MUSHROOM SPAWN, the best Mushroom Spawm in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. In postage stamps. Address American Spawm Company, St. Paul, Minn.



Onion Sets

At Right Prices

VAUGHAN'S SEED STORE, 14 Barclay St., N. Y.

VEGETABLE PLANTS

TOMATO, Mayflower, Lorillard, Earlham, Early June Pink and Early Jewel, 30c. per 100; \$2.00 per 1000.
BEETS, Egyptian and Crosby's, 20c. per 100; \$1.25 per 1000.
CELEBY, White Plume and Goldea Self Blanching, 20 cts. per 100; \$1.25 per 1000.
PARSLEY, Moss Curled, 30c. per 100; \$2.00 per 1000.
CAULIFLOWER, Early Snowball, 50c. a 100.
LETTUCE, Grand Rapids, \$1.00 per 1000.
PEPPER and EGG PLANTS, ready for transplanting, 40c. per 100; \$2.00 per 1000.

R. VINCENT, Jr. & SONS CO., White Marsh Md.

SEED SWEET POTATOES

Bright, smooth stock of the following varieties, packed in light, strong baskets: Yellow Jersey, Yellow Nansmond and Big Stem Jersey, per five-eighths bushel basket, 90c.; per half barrel basket, \$1.75. Early Golden, per basket, \$1.00; half barrel, \$2.00. F. O. B. here.

H. AUSTIN, Felton, Del.

PLANT CULTURE

PRICE \$1.00
A. T. DE LA MARE PTG. & PUB. CO., Ltd.
2 Duane Street, New York

Gladiolus "America" FOR FORCING

Strong bulbs, \$60.00 per 1000. Florists' white and light, mixed, \$7.00 per 1000.

Iris Kaempferi, named, \$50.00 per 1000.
Iris Kaempferi, mixed, \$30.00 per 1000.

Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.

Phoenix Roebeleni seedlings, \$4.00 per 100.

Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.

Gladiolus

WHITE and LIGHT

The best in the country; ask for prices.

JAPAN IRIS, in any quantity at wholesale prices. Direct all communications to

ROWEHL & GRANZ
HICKSVILLE, L. I., N. Y.

Established 1800

POAT BROS.

(Formerly of Elfricks, Va.)

BULB GROWERS
HIGHLAND PARK
RICHMOND, VA.

NARCISSUS, TULIPS, IRIS
PAEONIES, CROCUS

SEND FOR CATALOGUE
CUT FLOWERS
FROM MARCH TO MAY

BIG 4 TOMATO

THE EARLIEST TOMATO KNOWN

Vines similar to the Dwarf Champion, standing well up from the ground; fruit purplish pink in color; will bear shipping equally as well as the Stone. Was a great favorite with the truckers in this section last season. Pkt., 10c.; 1/2 oz., 20c.; oz., 35c.; 1 lb., \$1.00.

A full line of Market Growers' Seed Specialties.

PLANTERS' SEED CO.
SPRINGFIELD, MO.

DREER'S HARDY PERENNIALS

Largest assortment of desirable varieties. Plants of proper size to give best immediate results.
For complete list of varieties see our current wholesale list.

Many planters not thoroughly familiar with this class of plants have an idea that nothing but a large, field-grown clump will give satisfactory returns for the season. This, as experience has taught us, is in most instances a mistake. A vigorous plant of proper size will, in nearly every case, give quicker and better returns than the best so-called "field clumps" that can be procured. It will be noticed that the majority of the stock offered in this list is described as being 3, 4 or 5-inch pots. This does not necessarily mean that the plants have been altogether pot-grown, but that they have been field-grown and dug and potted up during the Fall and early Winter months, and such stock can be planted, even late in the Spring, with practically no loss, which, in the case of clumps, is often quite serious.

	Per doz.	Per 100
ACHILLEA, The Pearl, 3-in. pots.....	\$0 75	\$5 00
Millefolium Roseum, 3-in. pots.....	85	6 00
ACONITUM in variety, Strong roots.....	1 25	8 00
ALYSSUM Saxatile Compactum, 3-in. pots.....	75	6 00
ANCUSA Italica Dropmore variety.....	3 50	25 00
ANEMONE Japonica, 3-in. pots.....	85	6 00
Alba, 3-in. pots.....	85	6 00
Elegantissima, 3-in. pots.....	85	6 00
Lord Ardilaune, 3-in. pots.....	1 25	8 00
Prince Henry, 3-in. pots.....	1 25	8 00
Queen Charlotte, 3-in. pots.....	85	6 00
Rosea Superba, 3-in. pots.....	85	6 00
Whirlwind, 3-in. pots.....	85	6 00
ANTHERICUM Liliago and Liliastrium.....	75	5 00
AQUILEGIAS in variety, 3-in. pots.....	85	6 00
ARABIS Alpina, 3-in. pots.....	75	5 00
Flore Plena, 3-in. pots.....	85	6 00
ARMERIA Maritima Splendens, 3-in. pots.....	85	6 00
Alba, 3-in. pots.....	85	6 00
ARTEMISIA in variety, 4-in. pots.....	85	6 00
ASCLEPIAS Tuberosa, Strong roots.....	85	6 00
ASTER Grandiflorus, Strong roots.....	85	6 00
Alpinus, Blue and white, 3-in. pots.....	85	6 00
HARDY Asters (Michaelmas Daisies), Strong plants in 25 varieties.....	1 00	7 00
BACCONIA Cordata, Strong roots.....	85	6 00
BOLTONIA Asteroides, 4-in. pots.....	85	6 00
Latisquama, 4-in. pots.....	85	6 00
CALLIHOE Involucrata, 3-in. pots.....	1 00	7 00
CAMPANULA Carpatica, Blue and white, 3-in. pots.....	85	6 00
Media, Double and Single, 4-in. pots.....	85	6 00
Calycanthemum, 4-in. pots.....	85	6 00
Persicifolia Moerheimii, 3-in. pots.....	1 25	8 00
Persicifolia, Blue and white, 4-in. pots.....	85	6 00
CARYOPTERIS Mastacanthus, 3-in. pots.....	85	6 00
CERASTIUM Tomentosum, 3-in. pots.....	85	6 00
CENTAUREA in variety, 3-in. pots.....	1 00	7 00
CHELONE in variety, Strong plants.....	1 25	8 00
CHRYSANTHEMUM Alaska, 3-in. pots.....	1 50	10 00
Shasta Daisy, 3-in. pots.....	75	5 00
Hardy Pompan, 25 varieties, 2 1/2-in. pots.....	60	4 00
CIMICIFUGA Simplex, 4-in. pots.....	3 50	25 00
CLEMATIS Davidiana, Strong 2-yr.-old.....	85	6 00
CONVALARIA Majalis, Clumps.....	2 00	15 00
COREOPSIS Lanceolata Grandiflora, 4-in. pots.....	75	5 00
DELPHINIUM Belladonna, 3-in. pots.....	2 00	15 00
Chinese, 1-yr. field grown.....	75	5 00
Alba, 1-yr. field grown.....	75	5 00
Formosum, 1-yr. field grown.....	85	6 00
Mixed Hybrids, 1-yr. field grown.....	85	6 00
DICTAMNUS Fraxinella and Alba, Strong plants.....	1 25	8 00
DIELYTRA Spectabilis, Strong clumps.....	85	6 00
DIGITALIS Gloxiniiflora, 4-in. pots.....	85	6 00
Grandiflora, 3-in. pots.....	85	6 00
Lanata, 3-in. pots.....	85	6 00
DORONICUM in variety, 4-in. pots.....	1 25	8 00
EPIMEDIUM in variety, Strong plants.....	1 50	10 00
ERYNGIUM Amethystinum, 3-in. pots.....	1 00	7 00
ERIGERON in variety, 3-in. pots.....	1 00	7 00
EUPATORIUM Ageratoides, 4-in. pots.....	85	6 00
Celestinum, 3-in. pots.....	85	6 00
EUPHORBIA Corollata, 3-in. pots.....	75	5 00
FUNKIA Cœrulea, Strong roots.....	75	5 00
Subcordata Grandiflora, Strong roots.....	1 25	8 00
Undulata Media Ficta, Strong roots.....	85	6 00
GAILLARDIA Grandiflora, 4-in. pots.....	85	6 00
GERANIUM Sanguineum, 4-in. pots.....	85	6 00
Album, 4-in. pots.....	85	6 00
GEUM in variety, 3-in. pots.....	1 00	7 00
OLECHOMA Variegata, Strong plants.....	85	6 00
GYPSOPHILLA Paniculata, Strong roots.....	85	6 00
Fl. Pl. Strong roots.....	3 00	
HEMEROCALLIS in variety, Strong plants.....	85	6 00
HIBISCUS Crimson Eye, 1-yr.-old.....	85	6 00
Moschentos, 1-yr.-old.....	85	6 00
HELENIUM Autumnale Superba, 4-in. pots.....	1 00	7 00
Grandicephalum Striatum, 3-in. pots.....	1 00	7 00
Pumiliam Magnificum, 4-in. pots.....	1 00	7 00
Riverton Gem, 3-in. pots (New).....	1 50	10 00
Riverton Beauty, 3-in. pots.....	3 00	20 00

	Per doz.	Per 100
HELIANTHUS in variety, Strong plants.....	85	6 00
Sparsifolia, 3-in. pots.....	1 50	10 00
HELIOPSIS Pitcherianus, 4-in. pots.....	85	6 00
Semi Plena, 3-in. pots.....	85	6 00
Scaber Major, 4-in. pots.....	85	6 00
HELIANTHEMUM in variety, 3-in. pots.....	1 00	7 00
HEUCHERA Sanguinea, 4-in. pots.....	1 00	7 00
Alba, 4-in. pots.....	1 00	7 00
Rosea, 4-in. pots.....	1 00	7 00
HOLLYHOCKS—Dreer's Superb Double, White, yellow, pink, salmon, ma- roon, red, 1-yr.-old clumps.....	1 50	10 00

	Per doz.	Per 100
LYTHRUM Roseum Superbum, 4-in. pots.....	85	6 00
OENOTHERA in variety, 3-in. pots.....	85	6 00
PAPAVER Orientale, Named varieties, 1-in. pots.....	1 50	10 00
Choicest mixture, 4-in. pots.....	85	6 00
Nudicaule (Iceland Poppy), Choice mixed, 3-in. pots.....	85	6 00
PAEONIES, Choice Double Herbaceous.....	1 50	12 00
PENTSTEMONS in variety, Strong plants.....	1 00	7 00
PHYSOSTEGIA Virginica and Alba.....	85	6 00
PINKS, Hardy Garden in variety, 4-in. pots.....	85	6 00
PLATYCODON Blue and White, 2-yr.-old roots.....	85	6 00
PLUMBAGO Larpentae, Strong 3-in. pots.....	1 00	7 00
POTENTILLAS in variety, Strong plants.....	1 00	7 00
PHLOXES, These are one of our leading specialties. Send for special list of new, popular and standard varie- ties, strong plants.....	75	5 00
PHLOX Subulata, Pink and white, Strong clumps.....	75	5 00
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PRIMULA Cortusoides Sieboldi, 6 dis- tinct varieties.....	1 50	10 00
Veris (English Cowslip), Choice mix- ture.....	75	5 00
Auricula, 3-in. pots.....	1 50	10 00
PYRETHRUM Hybridum, Choice seed- lings, 3-in. pots.....	1 25	8 00
Uliginosum, 4-in. pots.....	85	6 00
Double, in six distinct colors, 3-in. pots.....	2 00	15 00
POLEMONIUM in variety, 3-in. pots.....	1 00	7 00
RANUNCULUS Repans Flore Plena, 4-in. pots.....	85	6 00
RUBECKIA Golden Glow, Strong plants.....	85	6 00
Newmani, 4-in. pots.....	1 00	7 00
Purpurea, 3-in. pots.....	1 00	7 00
Sub-Tomentosa, 4-in. pots.....	1 00	7 00
Fulgida, 4-in. pots.....	1 00	7 00
Rays of Gold, 4-in. pots.....	1 50	10 00
Autumn Sun, 4-in. pots.....	1 50	10 00
SALVIA Azurea Grandiflora, 4-in. pots.....	1 00	7 00
SAXIFRAGA (Megasea) in variety, Strong plants.....	1 50	10 00
SCABIOSA Cœnoscia, and Alba, 3 in. pots.....	1 25	8 00
SEDUM Spectabilis, Strong clumps.....	1 00	7 00
Atropurpurea, Strong clumps.....	1 50	10 00
In variety, Strong clumps.....	85	6 00
SOLIDAGO in variety.....	85	6 00
SPIRÆA Aruncus, clumps.....	1 00	7 00
Chinensis, clumps.....	1 25	8 00
Filipendulina Flore Plena, 3-in. pots.....	1 25	8 00
Gigantea, clumps.....	1 25	8 00
Palmata, clumps.....	1 00	7 00
Elegans, clumps.....	1 00	7 00
Ulmaria Flore Plena, clumps.....	85	6 00
Venusta, 4-in. pots.....	85	6 00
STATICE in variety, 4-in. pots.....	85	6 00
STOKESIA Cyanea, Strong, 3-in. pots.....	75	5 00
Alba, 3-in. pots.....	1 50	10 00
SWEET WILLIAM clumps.....	75	6 00
THALICTRUMS in variety, Strong plants.....	1 00	7 00
TROLIUS Aurantiacus, 3-in. pots.....	2 00	15 00
Europæus, 3-in. pots.....	1 00	7 00
Japonicus Excelstor, 3-in. pots.....	2 00	15 00
Orange Globe, 3-in. pots.....	2 00	15 00
TRITOMA Obelisque, strong divisions.....	1 50	10 00
Pätzler, strong plants.....	1 00	7 00
Rufus, strong divisions.....	2 00	15 00
Tricolor, strong divisions.....	2 00	15 00
Uvaria Grandiflora, strong divisions.....	1 00	7 00
VALERIANA Cœcinea and Alba, 4-in. pots.....	1 25	8 00
Officinalis, 4-in. pots.....	1 25	8 00
VERONICA Longifolia Subsessilis, Strong plants.....	1 25	8 00
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LAVENDULA Vera, 3-in. pots.....	1 00	7 00
LOBELIA Cardinalis, 3-in. pots.....	85	6 00
Syphilitica, 4-in. pots.....	85	6 00
LYSIMACHIA Clethroides, 4-in. pots.....	85	6 00
LYCHNIS Chalcidonica, Alba and Car- nea, 3-in. pots.....	85	6 00
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Haageana, 3-in. pots.....	85	6 00
Viscaria Splendens, 3-in. pots.....	1 25	8 00

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Mahonia Aquifolium.

Editor Florists' Exchange:

I am much interested in Mr. Meehan's comments on *Mahonia aquifolium* in *The Florists' Exchange* of February 22, 1908. We seem to have two varieties of Oregon grape here, one the low growing sort, ordinarily known as Oregon grape, and the other more of a shrubby form, reaching a height of six feet. Can you tell me the name of the tall growing sort? ROLAND G. GAMWELL.

Bellingham, Wash.

—The taller one is called *Mahonia aquifolium*; the low grower, *M. repens*. The latter is classed as a variety of the former. J. M.

Horticultural Notes.

Evergreens are sometimes ruined by too close pruning. Some kinds do not mind pruning below their green foliage, but others do, and it is safer not to risk it. Early Spring is the time to prune.

A profitable business for the florist and nurseryman is the growing of vines in pots. These plants are called for all Summer long. Situations for planting them, forgetfulness and many other causes create a demand after it is too late to dig them. Honeysuckles and ampelopsis lead all others, though since the *Clematis paniculata* has proved itself so desirable it, too, is in great demand. Pot them now.

Of the two native rhododendrons, *R. maximum* and *R. catawbiense*, the former is later in flowering than the other. *R. catawbiense* blooms when almost all the others do; *R. maximum* not until the close of June or later. It may suit some persons to plant sorts that all flower at about the same time; others may think the later one, *R. maximum*, the better.

The calycanthus now common in all collections is not floridus, but one not nearly as sweetly perfumed, the *laevigatus*. The true floridus rarely seeds; *laevigatus* seeds freely, hence its abundance in nurseries. It has some odor, but not the equal of that of the floridus.

It cannot be repeated too often that oaks of good size should be root pruned a year or two in advance of being transplanted or they are not likely to live. After sales are over, go over a block and sever some of the stronger roots; and do the same with all large trees. Add the cost to the price of the trees, and still the purchaser will gain by the operation.

Kalmia latifolia does not like to be in the full sun. Like the rhododendron, it is naturally a shade lover. A situation affording it the morning sun only is right for the plant, and in addition it prefers a light loamy soil, well drained.

Puddling the roots of trees before packing them is practiced now by almost all nurserymen. It helps wonderfully in preserving the life of those so treated. A large tub or box is sunk in the ground and filled with liquid mud, into which the roots are dipped before packing is done. It is a good plan for those to follow who have a number of trees to plant and have to set them one by one, moisture being preserved.

Florists can recommend no single shrub that will please more than the Japanese snowball, *Viburnum plicatum*. This for a Spring-blooming shrub, and the *Hydrangea paniculata grandiflora* for an Autumn-flowering one.

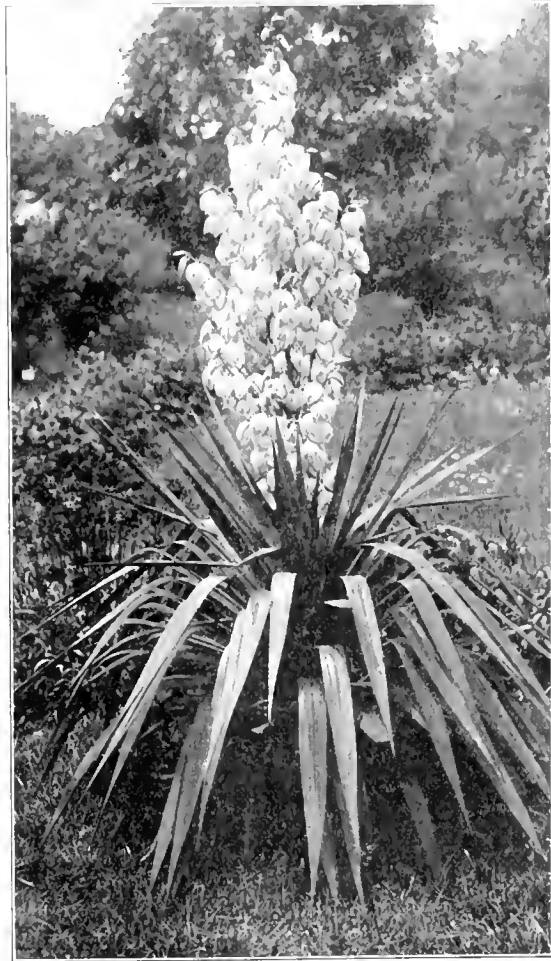
The Himalayan pine, *P. excelsa*, is one of the grandest of lawn trees, its vigorous growth, spreading habit and its long, drooping, silvery colored needles entitling it to be called this. As with the common white pine, it transplants with more safety than many other kinds. Its long cones, on mature trees, are considered ornamental.

In their wild state all grapes do not bear fruit, some being sterile. The one called "flowering grape" is a sterile form of *Vitis riparia*. Some folks like such a vine near their dwelling. They get the perfume of the flowers and not any fruit, which meets their wishes.

Plant crepe myrtle on high ground where ground will cease early in Autumn, and they will often survive the Winter without protection. In ordinary situations they get killed back partly in Winter.

City florists are continually asked for evergreen for small yards, vases and cemeteries, and they would find it to their advantage to have a small plot of these and such shrubs as are often asked for.

Borers often attack the trunk of English hawthorns, sometimes to the destruction of the bushes. For this reason pink, red and other varieties of this tree are better budded on the native stocks, say, *coccinea*, *cordata* or *Corn Gall*, as these seem immune from borer attacks.



Yucca gloriosa recurvifolia.

Wintering English Hollies.

There must be some mistake in the general idea prevailing that the English holly is not hardy here. This idea is entertained too in spite of the fact that there have been one or two fine large specimens in our cemeteries in times past, as there may be yet. Both Woodlands and Laurel Hill had one each, that must have stood in their positions twenty years. Two years ago the writer set one in his garden, which has just passed through its second Winter without the damage of a leaf. Both Winters have been favorable to it, having seen abundant rains and snows, and no hard freezings until after New Year's. The mercury has been as low as between 10 and 5 degrees above zero a half dozen times. The holly is about 5 feet in height. It is in a place free from sun or nearly so in Winter and well sheltered by houses near it, but it is no more sheltered than thousands of similar spots in this city.

It is probable that in Winters where the mercury would register zero night after night with high winds the leaves of this holly would suffer, but even then it would be no more than what happens to our native holly, our native rhododendron and other evergreens. It is within the experience of all of us that our native deciduous trees even have suffered in peculiar Winters.

If our nurserymen and florists would keep in mind that this holly is hardy, they could recommend it to many who would be very glad to have it. It is far prettier than our native one, *I. opaca*, in foliage, not to speak of its berries. The one spoken of as being in the writer's garden is of the fertile kind. No other holly is near it, yet it sets its berries; and at this writing, March 12, the berries are as bright and fresh as they were at Christmas.

Arsenate of Lead.

Experiments on the past two years and more have demonstrated that arsenate of lead is a better insect destroyer than any other article in fact than any other article that has been employed. The reason is, that it sticks to the foliage better, and does not wash off in rains as quickly as other articles do. This adhesive quality is very much in its favor, saving repeated sprayings which have been found necessary when Paris green and other substances have been used. It has been found that the ready made arsenate of lead employed at the rate of one pound to fifty gallons of water is the right proportion to use.

As is well known to those interested in the subject, the worm of the codlin moth enters at the apex of the embryo apple, just as the flowers fade, developing from eggs which are laid in the tender leaves just as they unfold. No time is to be lost in having the mixture ready to spray just as the flowers fade, for within a very short time thereafter the worm will have entered the tiny apple, and the spraying must be done before the worm moves. If done at the right time, practically every worm will be killed, and this would end the business of spraying for the season, for it is those that escape from the first brood that parent what is called the second crop. The worms that reach the ground from the fallen apples go into the soil under the trees, and passing through their stages to the moth form attack the apple again, except the last brood of worms, which remain in the ground all Winter, emerging at the time the foliage is appearing on the apple trees.

More than usual care is required when spraying for this moth. It is different spraying a tree in leaf from one bare of foliage. In the case of the apple the spray must enter the apex of the flowers as well as reach all parts of the foliage. There must be force enough to the stream to cause it to reach higher than the tree that it may reach the upper part of both leaf and flower as it descends. A nozzle with a bend to it is sometimes used, as it throws the spray downward with some force, reaching more insects than side streams do.

Not only should one spray his trees but every effort should be put forth to persuade neighbors to treat their trees as well, to prevent moths flying from their trees to his, which often happens, though it is believed that the codlin moth does not fly a great distance.

Yucca Gloriosa Recurvifolia.

It is with much satisfaction we are able to present to the readers of *The Florists' Exchange* a picture of *Yucca gloriosa recurvifolia* taken from a plant growing outdoors, in a position it had occupied for several years. It is strange that an opinion prevails the plant is not hardy, when, inasmuch as concerns Philadelphia, Pa., it has never been injured when in the most exposed places for the many years it has been under our observation. Were its hardiness more generally understood it would be in great demand, for is it not one of the most beautiful of yuccas?

There seems to be some confusion regarding the correct names of yuccas. The one illustrated in many respects seems correctly classed as being a variety of *Y. gloriosa*. Its hardy character and its trunk making habit call for its relationship to it. On the other hand, its Spring-blooming and its flagid, recurved leaves are the opposite of those of *Y. gloriosa*. In the case of the plant photographed it flowered earlier in June than did *Y. angustifolia* and *filamentosa*, while, as is known to those who have observed *Y. gloriosa*, it does not bloom until October.

Whatever the proper name for it—and there seems no ground to dispute the one it has—it is a plant we all want for its exceeding beauty. It is more beautiful than any other hardy yucca we have. The clustered panicle of flowers rising from its base of recurved leaves produces a picture of surpassing loveliness. Neither of the other Spring-blooming sorts, *angustifolia* (glauca) and *filamentosa*, has the dense, clustered panicle of this.

This yucca is common in greenhouses and conservatories, being used as a decorative plant on lawns in Summer. Those who have them should plant them out permanently, and give their tub room to some other worthy plant that is not hardy.

The producing of seeds by yuccas is almost or quite dependent on the insect problem, known as the yucca moth, and as this insect appears but at a later date than when this yucca (the *recurvifolia*) flowers, its production depends on root cuttings. The fleshy roots are cut up into inch lengths, or a little longer; and if the work be done in early Spring, the pieces set, indoors preferably, though outdoors will do, there should be a small plant from every piece by Fall. Probably the insect would arrive in time to fertilize the flowers in some seasons. JOSEPH MEEHAN.

Trees, Shrubs, Roses, Vines

Our Annual Special Offer. Note the Prices and Sizes of Stock.

Specimen Trees and Shrubs. Something seldom if ever found in nurseries. Large specimen shrubs grown regardless of cost by a private estate. Anyone desiring to make immediate effect can find nothing in this country equal to these shrubs and trees. They are growing 4 feet apart each way and have been transplanted several times. Write us for full particulars regarding this special stock.

Send for our wholesale list in which we list thousands of varieties not mentioned below.

For prices on large Birch, Catalpas, Horse Chestnuts, Norway Maples, Larch, Lindens and other shade trees see our wholesale list.

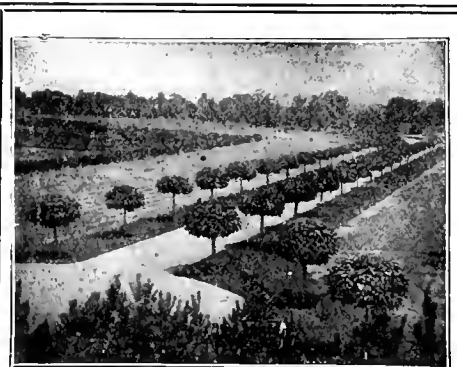
	Per 100
White Birch. 7 to 8 ft.....	\$15.00
8 to 10 ft.....	25.00
Catalpa Speciosa. 8 to 10 ft.....	25.00
10 to 12 ft.....	45.00
European Larch. 4 to 6 ft.....	3.50
6 to 8 ft.....	6.50
Weeping Willows, X fine, 2 yr.....	10.00
Paul's Pink and White Thorn. 5 to 6 ft..	4.50
Willows in variety. See wholesale list for prices.	
Tulip Trees. 5 to 6 ft.....	2.00
6 to 8 ft.....	3.00
8 to 10 ft.....	3.50
For Weeping Trees, see wholesale list.	

Climbing Plants

Honeysuckle in variety. Per 100
 Ampelopsis Quinquifolia, 2 and 3 years..\$7.00
 Ampelopsis Veitchii, see wholesale list.
 40,000 English Ivies, see wholesale list.

100,000 Evergreens 2 to 15 ft.

We believe we have one of the largest stocks of evergreens in this country. See our wholesale list for varieties and prices.



Catalpa Bungei

The above cut represents our Catalpa Bungei. We have a fine stock of these beautiful trees.

	Per 10
1 year heads, 5 to 6 ft. stems.....	\$6.00
2 year heads, 4 to 6 ft. stems.....	7.50
2 year heads, 5 to 6 ft. stems.....	10.00
3 year heads, 5 to 6 ft. stems.....	17.50
Specimens, \$3.00 to \$5.00 each.	

Azalea Amoenas

Largest stock of Azalea Amoena in this country. Come and see them and if we do not convince you of this we will give you all you need free.

	Per 100
2 in. pot plants.....	\$5.00
8 to 10 in. 2 yr. old.....	8.00
10 to 12 in. 3 yr. old.....	12.00
12 to 14 in. X 12 to 14 in.....	25.00
15 to 18 in. X 15 to 18 in.....	35.00
18 to 24 in. X 18 to 24 in.....	60.00
24 to 30 in. X 24 to 30 in.....	150.00
Specimen plants.....	250.00
If large quantity wanted write for special prices.	
PRIVET. 2 to 3 ft. bushy.....	Per 1000 \$50.00
3 to 4 ft. bushy.....	Per 1000 60.00
4 to 5 ft., 5 to 6 ft., 6 to 8 ft., also standards.	
Prices on application.	
Privet Cuttings.....	Per 10,000 \$13.50
Privet true Regaliana. 2 to 3 and 3 to 4 ft. See wholesale list.	

Viburnum Plicatum

	Per 100
JAPAN SNOWBALLS. 2 to 3 ft.	
X fine.....	\$12.00
3 to 4 ft.....	15.00
4 to 5 ft.....	17.00
18 to 24 in.....	8.00
6 to 10 in.....	3.50

Prices given in wholesale list on VIBURNUM LANTANA, OPULUS, OPULUS Sterilis, and TOMENTOSUM.

Viburnum Dentatum

	Per 100
18 to 24 in.....	\$5.00
2 to 3 ft.....	6.00
3 to 4 ft.....	8.00
4 to 5 ft.....	12.00
5 to 6 ft.....	15.00

50,000 Spireas of all Varieties

See wholesale list for prices and varieties. A particularly fine stock of Spirea Van Houtte. 4 to 5 ft. \$10.00 per 100.

ROSES

Crimson Ramblers

	Per 100
18 to 24 in. own roots, good.....	\$6.00
2 to 3 ft. own roots, good.....	7.00
3 to 4 ft. extra fine.....	10.00
CREEPERS AND CLIMBERS.....	6.00

200,000 Roses

In 2, 4 and 5 inch pots. Send for list for varieties and prices.

Clematis Paniculata

30,000 field grown plants, 2 yr. No. 1.	Per 100 \$8.00.
3 and 4 inch pots, well established.	Per 100 \$15.00.

Boxwood

BOXWOOD for edging.	
4 to 5 in.....	Per 1000 \$30.00
5 to 6 in.....	Per 1000 50.00
12 to 15 in.....	Per 10 2.75
12 to 15 in.....	Per 100 25.00
18 in.....	Per 10 4.00
18 in.....	Per 100 35.00
24 in.....	Per 10 7.00
2 1/2 ft.....	Per 10 10.00
3 ft.....	Per 10 17.50
For larger sizes, prices on application.	

PYRAMIDAL BOXWOOD.

2 1/2 ft.....	Per 10 10.00
3 ft.....	Per 10 15.00

Extra Fine Hemlocks

From 5 to 8 ft. high.

Large Trees Cheap

Fine for screening purposes and grouping. These are not perfect trees but have all been transplanted and run from 2 to 5 inches diameter and are fine for purpose stated. Send for list and prices. Come and see us.

Maples, Sugar and Silver, all sizes.	Per 100
Pin Oak. 4 to 5 ft., transplanted.....	\$20.00
5 to 6 ft., transplanted.....	30.00
For other sizes see wholesale list.	
POPLARS, Carolina. 8 to 10 ft.....	28.00
10 to 12 ft.....	45.00
12 to 14 ft.....	65.00
2 1/2 to 3 in.....	135.00
3 to 4 in. and 4 to 5 in. Prices on application.	
Lombardy. 8 to 10 ft.....	30.00
10 to 12 ft.....	40.00
12 to 14 ft.....	65.00
3 to 4 in. and 4 to 5 in. See wholesale list.	
ALTHEAS, red and white. 3 to 4 ft.....	8.00

50,000 Berberis Thunbergii

	Per 100
18 to 24 in., trans. bushy.....	\$7.00
2 ft., bushy.....	9.00
2 to 3 ft., bushy.....	12.00
3 to 4 ft.....	15.00
If lighter stock is wanted can furnish at lower prices.	

	Per 100
BUDDLEIA. We have large quantities of this beautiful Fall-blooming plant.....	\$8.00
Caryopteris Mastacanthus.....	6.00
Clethra Alnifolia. 2 to 3 ft.....	7.00
3 to 4 ft.....	9.00
Cornus Sanguinea. 3 to 4 ft.....	7.00
4 to 5 ft.....	8.00
6 to 7 ft.....	12.00
C. Sibirica. 5 to 6 ft.; very heavy.....	15.00
C. Spathii variegata. 3 to 4 ft.....	10.00
C. Stolonifera. 4 to 5 ft.....	10.00
5 to 6 ft.....	13.00
Deutzias in great varieties cheap.	
Hydrangeas, for price see wholesale list.	
Lilacs in 28 varieties. See page 9 of our wholesale list.	

See opposite page for Herbaceous Plants and Bedding Stock

THE ELIZABETH NURSERY COMPANY
 Office, Wilder St., ESTABLISHED 1866. Telephone, ELIZABETH 775 J. ELIZABETH, N. J.
 INCORPORATED 1887.

Prices Advertised in these Columns are for THE TRADE ONLY—

THE FLORISTS' EXCHANGE.
 When Writing Please Mention

HARDY PERENNIALS

OUR collection of varieties is the largest in this country. Our plants are all field grown except such as do not lift well from the field. We can also supply nearly all of the varieties in pot grown plants when such are desired. These will be strong, well established plants from 3, 4, and 5 inch pots. For complete list of varieties see our wholesale list.

	Doz.	100
ACHILLEA Aegyptica, 3 in. pots.....	\$1 00	\$7 00
Millefolia, 3 in. pots	75	5 00
Farnacia	75	5 00
ACORUS Variegata, 4 in. pots	75	6 00
AEGOPodium Podagraria Variegata, 3 in. pots	75	5 00
AJUGA Genevensis, 3 in. pots	85	6 00
Rubra, 3 in. pots	85	6 00
ALYSSUM Saxatile Compactum	85	6 00
Flores Pleno, 4 in. pots.....	1 50	12 00
ANEMONE Elegantisima, 3 in. pots	1 00	7 00
Japonica Alba, 3 in. pots	85	6 00
Rubra, 3 in. pots	75	4 00
Montrose, 3 in. pots	85	6 00
Queen Charlotte, 3 in. pots	85	6 00
Rosea Superba, 3 in. pots.....	85	6 00
Whirlwind, 3 in. pots	85	6 00
ANTHEMIS Tinctoria, 4 in. pots	75	5 00
ANTHERICUM Liliago, 3 in. pots	85	6 00
AQUILEGIA Chrysantha	85	6 00
Cocinea	85	6 00
Nivea Grandiflora	85	6 00
AEABIS Alpina	75	5 00
AEEMERIA in variety	75	5 00
AETHEMIS in variety	75	5 00
ASCLEPIAS Tuberosa	85	6 00
ASPERULA Galioidea	75	5 00
Odorata, 4 in. pots	85	6 00
ASPHODELUS Luteus	85	6 00
ASTER Alpinus	75	5 00
Alba	85	6 00
ASTER, Michaelmas Daisy	85	6 00
Beachmanii	1 75	12 00
Grandiflora, 4 in. pots	50	4 00
Nova Angliae	85	6 00
Rosea	1 00	7 00
Perry	85	6 00
Parmicoides Major	85	6 00
AUBRETTIA Deltoidea, 3 in.	85	6 00
BOLTONIA Asteroides	75	5 00
Latisquama	85	6 00
CAMPANULA Carpatica, blue and white	75	5 00
Persicifolia, blue and white, 4 in. pots	85	6 00
"The Fairy," 4 in. pots	1 00	8 00
Pyramidalis	85	6 00
CENTAUREA Montana, 4 in. pots	1 00	7 00
Ruthenica, 4 in. pots	1 00	7 00
CERASTIUM Tomentosum	75	5 00
CHEYSANTHEMUM Maximum Perfection	85	6 00
"Shaata Daisy"	85	6 00
Triumph	85	6 00
Hardy Pompon, 35 var., 4 in. pots	85	6 00
New Giant Daisy, "Alaska," immense flowers 4 to 5 in. across	1 00	7 00
CEMATIS Davidiana, 4 in. pots	85	6 00
COREOPSIS Grandiflora	65	5 00
DELPHINIUM Chinenais, 4 in. pots	75	5 00
Elatum Hybridum, 4 in. pots	1 00	7 00
Formosum, 4 in. pots	85	6 00
DIANTHUS Barbatus (Sweet William) 4 in. pots	60	4 00
Deltoidea	75	5 00
Double Scotch Pink	85	6 00
Carmen	85	6 00
Her Majesty	85	6 00
Lord Lyon	85	6 00
DICENTRA Eximia, 3 in. pots	1 25	8 00
Spectabilis	95	6 00
DIGITALIS Gloxinifolia	75	5 00
Grandiflora	85	6 00
Maculata, Superba	85	6 00
ECHINACHEA Purpurea	85	6 00
ERIGERON in variety, 3 in. pots	75	5 00
ERYNGIUM Agavacifolium, 4 in. pot	1 25	8 00
Amethystinum	1 00	7 00
EUPATORIUM Ageratoidea, 4 in. pots	75	5 00
Purpureum, 4 in. pots	75	5 00
FUNKIA Coerulea	75	5 00
Sieboldiana	1 00	7 00
Subcordata Grandiflora	1 25	8 00
Undulata Media Picta	85	6 00
GAILLARDIA Grandiflora, 4 in. pots	75	5 00
GENTIANA Tibetica	1 00	7 00
GERANIUM Atrorogineum	75	5 00
GYPSOPHILA Paniculata	85	6 00
HELENIUM Autumnale Superba, 3 in. pots	85	6 00
Hoopsii	85	6 00
Pumilus Magnificum	85	6 00
HELIOPSIS Pitcheriana	75	5 00
Scaber Major	75	5 00
HELIANTHUS in variety	75	5 00
HEMEROCALLIS in variety	75	5 00
HESPERIS Matronalis	75	5 00
HEUCHEBA Americana	85	6 00
Sanguinea, 3 in. pots	85	6 00
Alba, 3 in. pots	85	6 00
HIBISCUS Moenchtoa	75	5 00
HOLLYHOCKS, double, all colors.....	1 25	8 00

	Doz.	100
IBERIS Gibraltarica	\$1 50	\$12 00
Sempervirens	75	5 00
Tenoreana	85	6 00
IRIS Germanica, named varieties	85	6 00
IRIS Kaempferi, named varieties	1 50	10 00
Choice mixed variety	75	5 00
Sibirica, extra strong clumps	85	6 00
LATHYRUS Latifolius	1 00	7 00
LAVENDULA Vera (Sweet Lavender), 4 in. pots	85	6 00
LIATRUS Pycnostachia	85	6 00
Spicata	85	6 00
LINUM Flavum, 3 in. pots.....	1 00	7 00
Pereune	85	6 00
LOBELIA Cardinalis, 3 in. pots	85	6 00
Syphilitica alba	75	5 00
LYCHNIS Chalcedonia	85	6 00
Floa-cuculi Plenissima Semperflorens, 5 in. pots and strong field grown plants	1 00	7 00
Viscaria, Alba	85	6 00
Splendens	1 00	7 00
LYSIMACHIA Clethroides	85	6 00
LYTHRUM Roseum, Superbum	85	6 00
MALVA Moschata	85	6 00
MONARDA Didyma	75	5 00
OENOTHERA Missouriensis	1 00	7 00
Youngii, 4 in. pots	85	6 00
PACHYSANDRA Terminalia	85	6 00



Lychnis Flos Cuculi Plenissima Semper Florens

PAPAVER Nudicaule, choice mixed.....	75	5 00
Orientalis, named varieties, strong 4 in. pots	1 00	7 00
PAEONIAS, strong divisions, choice double	1 50	10 00
Mixed colors, clumps	1 50	8 00
PHLOX, hardy, field grown plants		
Alceste, white, red center	60	5 00
Amphitryon, lavender streaked white	75	5 00
Bouquet Fleuri, white, carmine eye.....	60	4 00
Champa Elysee, rich, purplish crimson	75	5 00
Coquelicot, orange scarlet	85	6 00
Crystal Palace	75	5 00
Eclairer, purplish crimson	75	5 00
Etoile du Nord, purplish crimson	75	5 00
Fedora, white suffused with light crimson	75	5 00
Fernand Cortez, deep crimson	75	5 00
Hector, fine pink	75	5 00
Hermine, dwarfest of all, pure white	85	7 00
Heroine, light violet blue	75	5 00
Hofgartner Stark, bright purple, dwarf	75	5 00
Independence, very early; white, large	75	5 00
Innocence, pure white; dwarf	85	6 00
Iris, large, purplish blue	75	4 50
La Candeur, dwarf, white	75	4 50
La Cygne, dwarf, pure white	75	5 00
La Siecle, dwarf, salmon rose	85	6 00
La Vogue, silvery rose, fine	75	4 50

	Doz.	100
PHLOX Continued.....		
Le Mahdi, deep reddish violet	\$0 75	\$5 00
L'Esperance, lavender pink, one of the best	75	5 00
L'Evening, delicate pink, dwarf	85	6 00
Lord Raleigh, dwarf, reddish violet	75	5 00
Lothair, rich salmon, crimson eye	75	5 00
Luminaux, light red, extra large	85	6 00
Mrs. Melda Cinnabo, white with red streaks	85	6 00
Mars-le-tour, clear pink	85	6 00
Matador, orange red, cherry red eye	85	6 00
Pink Beauty, pale pink	85	6 00
Pluto, deep red	75	5 00
Prime Minister, rosy white with deep rose center	75	4 50
Prof. Schliemann, rose, carmine eye	75	5 00
Queen, purest white, fine grower	75	4 50
Richard Wallace, pure white, bright crimson eye	75	5 00
R. P. Struthers, pinkish-salmon, crimson eye	75	4 00
Sonnenkind, dark rose, light center	75	5 00
Terre Neuve, grayish-lilac, violet center	60	4 50
Thebalde, salmon red	85	6 00

Can supply 20 varieties not mentioned above.

PHLOX, early flowering		
Indian Chief, deep magenta	85	
Mias Lingard, fine white	85	6 00
Ringleader, magenta	85	
Phlox Amoena, dwarf, compact	75	5 00
Subulata Alba, clumps	75	4 50
Pink, clumps	75	4 50
PENTSTEMON in variety	85	6 00
PHYSTOSTEGIA Virginica and Alba	75	5 00
FLATYCODON, blue and white	80	5 50
PLUMBAGO Larpentae	85	6 00
POLEMONIUM in variety	85	6 00
PRIMULA Auricula, mixed colors	1 25	8 00
Veris	85	6 00
PYRETHRUM Hybrida Grandiflora, choice colors, mixed	85	6 00
RUBECKIA Fulgida	75	5 00
Golden Glow, extra strong clumps	75	5 00
Nitida (Autumn Glory)	75	5 00
Newmanii	75	5 00
Purpurea	1 00	7 00
SANTOLINA Incana	75	5 00
SALVIA Azurea Grandiflora, 4 in. pots	85	6 00
Fratesia	85	6 00
SAPONARIA Caucassica	85	6 00
SAXIFRAGA Cordifolia	1 50	10 00
SCABIOSA Japonica, new	1 50	10 00
SEDUM Aizoon	75	5 00
Spectabilis	85	6 00
SOLDAGO Canadensis	75	5 00
Rigidus, 4 in. pots	1 00	7 00
SPIRAEA Aruncus	1 25	8 00
Chinensis	1 25	8 00
Japonica	85	6 00
Palmata Elegans	85	6 00
Filipendula, fl. pl.	85	6 00
STATICE Latifolia in variety	85	6 00
STOKESIA Cyanea, N strong clumps	85	6 00
THALICTRUM Adiantifolia	85	6 00
TRADESCANTIA Virginica	60	4 00
TRITOMA Corallina	1 00	7 00
Saundersi, May Queen,	1 25	8 00
Uvaria Grandiflora	75	5 00
TROLIUS in variety, 3 in. pots	1 00	
VALERIANA Alba and Coccinea	1 00	7 00
VERONICA Longifolia, Subaeasilis, 5 in. pots	1 00	7 00
Spicata, strong clumps	75	5 00
VINCA Minor, strong clumps	60	4 00
VIOLA Cornuta, assorted colors, 3 in. pots	60	4 00
YUCCA Filamentosa, fine 3 yr. old plants	1 00	7 00

HARDY PHLOX from 2 in. pots, ready May 1st

GRASSES

Eulalia Gracillima, strong 3 yr. old clumps	5 00
Japonica, strong 3 yr. old clumps	5 00
Variegata, strong 3 yr. old clumps	5 00
Zabrina, strong 3 yr. old clumps	6 00

BEDDING PLANTS

CANNAS in variety, 4 in. pots	6 00
Newer varieties	8 00
COLEUS, Golden Bedder and Verschaffeltii	20 00
DAHLIAS, field grown clumps, named	4 00
For young stock for transplanting see wholesale list.	
VIBURNUM Plicatum, 2 in. pots	3 50
RETINISPOEAS in variety, 2 1/2 in. pots, 5 to 6 in. high	5 00

See opposite page for Trees, Shrubs, Roses and Vines



THE ELIZABETH NURSERY COMPANY

ELIZABETH, N. J.

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THE FLORISTS' EXCHANGE.
When Writing Please Mention

THE ALPHA AND OMEGA OF SWEET PEAS.

BY S. B. DICKS, F. R. H. S.

The Alpha.

In the hope that the continued and increasing interest in sweet peas in Britain is also maintained in America I have the pleasure to present to the readers of The Florists' Exchange a photograph of what is probably the oldest flower of the sweet pea in existence in the world at the present time. It is preserved in Leonard Pluknet's Herbarium which forms part of the Hans Sloane collection in the Natural History department of the British Museum, which is located in a magnificent pile of new buildings at South Kensington, London.



S. B. Dicks, F. R. H. S.

Dr. A. B. Rendle, M. A., Keeper of Botany at the British Museum Department of Botany, was kind enough to allow me to photograph the specimen with a view to its being published in the Annual of the National Sweet Pea Society, and The Florists' Exchange.

As the flower is not reproduced at its full natural size the following exact measurements may be of service. Standard $1\frac{1}{8}$ inch deep and $1\frac{3}{8}$ inch wide; width of leaf, 1.5-3.2 inch.

The standard of each flower shows only an insignificant notch and is in other respects well formed; the wings and keel are very small in the fully opened flowers, but more prominent in the buds.

The descriptive name first applied to the plant (*Lathyrus* with two opposite broad leaves and two flowers on a stem) is very accurate, as a glance at the illustration will show.

The following description of the herbarium and its owners may be of interest. Leonard Pluknet was born 1642 and died 1706. He practiced as an apothecary at Westminster where he had a botanic garden in which he no doubt cultivated some of the herbs valued by those who practiced the art of healing. The greater part of his life was spent in struggling against adversity, but he was ultimately appointed superintendent of the gardens at Hampton Court Palace and Royal Professor of Botany. His principal botanical works were "Phytographia," 1691-2; "Almagestum Botanicum," 1696; "Almagesti Botanici Mantissa," 1700; and "Amaltheum Botanicum," 1703, all in folio size. The engravings which constitute the Phytographia are simply splendid, while the care and ability displayed in his other works are remarkable.

The sweet pea is not illustrated in the Phytographia, but is first mentioned in the "Almagesti Botanici Mantissa" as "the greater Sicilian Lathyrus with red stand-



Fig. 3. Caspar Commelin's Drawing in the Horti-Medici Amstelodamensis, 1697-1701.

ard and blue wings, sweet-scented and floriferous, with seed pod like a pea"; from Dr. Uvedale's garden. Cupani's descriptive name is added.

Sir Hans Sloane, who no doubt purchased Pluknet's herbarium after his death, was a distinguished physician and naturalist practicing in Loudon. He formed a valuable museum of the rarest productions of nature and art, which, with his library of 50,000 volumes and 3,566 MSS. were purchased for the nation by Act of Parliament for £20,000 (\$100,000) and made part of the British Museum. The collection is fittingly housed in the museum at South Kensington and is in a perfect state of preservation.

(The accompanying illustration shows the full page of the book in which the specimen shown above is mounted.)

It is customary now to speak of the parent variety as purple, but it will be noted that Pluknet describes it as red, and the flower preserved in his herbarium is of that color. Commelin, however, in the "Horti-Medici-Amstelodamensis" distinctly describes it as purple. From this I infer that there have been variations in color from the beginning (the existence of the white is mentioned in Ruppil's Flora Jenensis, 1718) and that the vagaries of the Countess type are simply the outcome of original tendencies. This is in strict accordance with the views entertained by the late Henry Eckford.

The difference between nature and its artificial representation may easily be seen by comparing Commelin's drawing (Fig. 3) with Pluknet's specimen. It is amusing to note that while some unopened buds are portrayed at the base of the plant, a fully developed seed pod appears at the third joint.

This sketch would be incomplete without a few partic-

ulars respecting the man to whom Cupani sent the first sweet pea seeds that were grown in Britain.

Robert Uvedale, LL.D., was born in London, 1642, and received a good education at Westminster and Cambridge. He was not only an eminent botanist but also a good classical scholar, and he became Master of the Foundation School at Enfield, where his world-famous botanical garden was cultivated with great care and contained a number of choice exotics. He was one of those who assisted the poet Dryden in translating "Plutarch's Lives."

Cupani also was the possessor of a highly cultured mind and it is not surprising that he should send seed of his newly found treasure to a brother scholar.

So much for the "Alpha" of Sweet Peas.

The Omega

as known to us to-day is surely to be found in Burpee's White Spencer, of which an illustration is presented for comparison. (Fig. 4.) In this, and similar varieties, the standards measure fully two inches across and one and a half inches deep; the wings are fully an inch wide and nearly as deep as the standard.

The developments and improvements of the flower during the past 208 years are simply marvelous and the end is not yet in sight. Were Linnaeus now living he would recognize the fact that the section "bifloris," in which he placed it, is no longer the correct classification of a plant that produces from four to six flowers

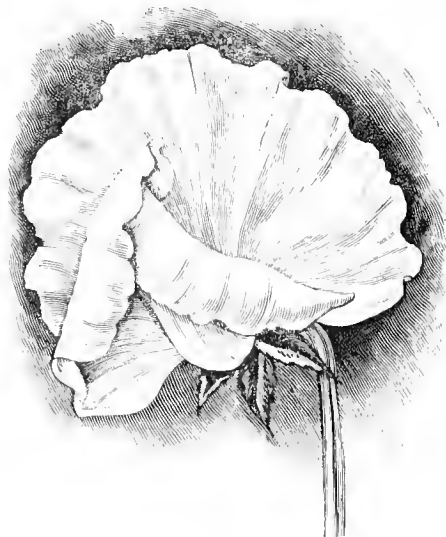


Fig. 4. Burpee's White Spencer Sweet Pea. Courtesy W. Atlee Burpee & Co.

on a stem. The endless variety of colors now in existence is simply bewildering and the most enthusiastic expert is fain to cry "Hold, enough!" But a fiery scarlet, a true blue, and a pure yellow, have yet to be produced.

S. B. Dicks, F. R. H. S.

CHINESE PRIMULAS.—Messrs. Carter & Company of Holborn, London, have long been celebrated for their fine strain of the various types of *Primula sinensis*, and when recently visiting their nursery at Forest Hill I found that they are still working for further improvement, one house being devoted to plants for cross-fertilization, and a few specially selected plants of the very finest forms of the various colors. The houses filled with the main stock were an interesting sight. In some the plants were in full bloom, but in others seedling had commenced, and it was evident that there will be a good crop of seed later on. All the flowers are carefully fertilized by the aid of a small camel's hair brush, a separate brush being kept for each color. The advantage of this is evident from the fact that each large batch is perfectly true to type. I noted numerous distinct varieties. In whites King Edward was one of the finest types; Holborn Queen, a pure white fern-leaved, and Flame, pure white with dark leaf-stalks; Snowflake, semi-double white; Holborn Coral, clear coral pink; Princess May, clear blush, the bright red, carmine, vermilion, and numerous other shades were seen with flowers of good substance. The semi-doubles included all the most desirable shades of color. The stellata type were also of the best quality in many shades of color. Holborn Blue was the first of the blue shade seen; this is now considerably improved, and the same color is seen in the other distinct types. *Cinerarias*, *calceolarias*, *gloxinias*, and *begonias* are also extensively grown for seed, and will fill up the houses after the primulas have yielded their harvest.

A. H.



Fig. 1. The Sweet Pea in Pluknet's Herbarium, 1700.

Photo by W. J. Allbright.

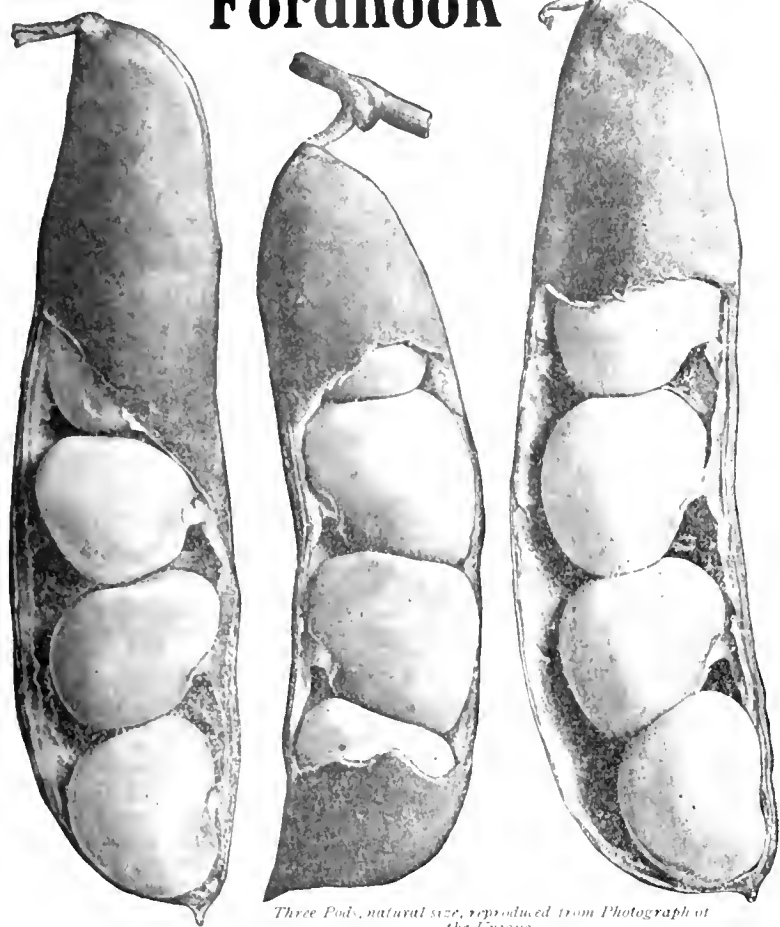


Fig. 2. Full Page in the Herbarium, showing Sweet Pea and other Lathyruses.

Photo by W. J. Allbright.

Burpee's Two "Unique" New Vegetables of Unequaled Value for Market Gardeners

"Fordhook"



Three Pods, natural size, reproduced from Photograph of the Unique FORDHOOK BUSH LIMA

Fordhook Bush Lima Bean

The only stiffly erect Bush form of the popular "Potato" Lima! Both pods and beans are more than half again as large as the Challenger Pole Lima.

Fordhook Bush Lima is of stiffly erect habit, branching freely but with all the branches held upright. This ideal bush growth is strikingly in contrast to the low spreading growth of the *Kumero* or *Dreer's Bush Lima*.

Fordhook Bush Lima has foliage like that of the large pole Limas. The leaves are large, smooth and a dark rich green, identical with the leaves of *Burpee's Bush Lima*, as contrasted with the smaller pale green leaves of the *Kumero* or *Dreer's Bush*.

Fordhook Bush Lima bears tremendous crops! The beans are ready for use as early as those of *Burpee's Bush Lima*, which furnishes fine Lima beans for the table three to four weeks earlier than they can be had from the earliest pole varieties. The plump well-filled pods are twice as large as those of the *Kumero* or *Dreer's Bush*, while the individual beans are also fully twice the size. The pods measure four to five inches in length, containing four to five large beans each.



Fordhook Bush Lima produces such large "Potato Limas" that visitors to our "Fordhook and SUNNYBROOK FARMS" have been astounded! The beans are very "fat" and lie so closely together in the pod that they are flattened on the ends. The pods are so closely filled that the beans are very easily shelled.

Fordhook Bush Lima has an additional merit over all other varieties of the "Potato Lima" type. The green beans, even when of full size, are tender, juicy and sweet in flavor when cooked, resembling the flavor of the finer varieties of large flat Lima,—as distinct from the rather dry and mealy character of all other varieties of the *Potato*, *Challenger* or *Dreer's Lima* type.

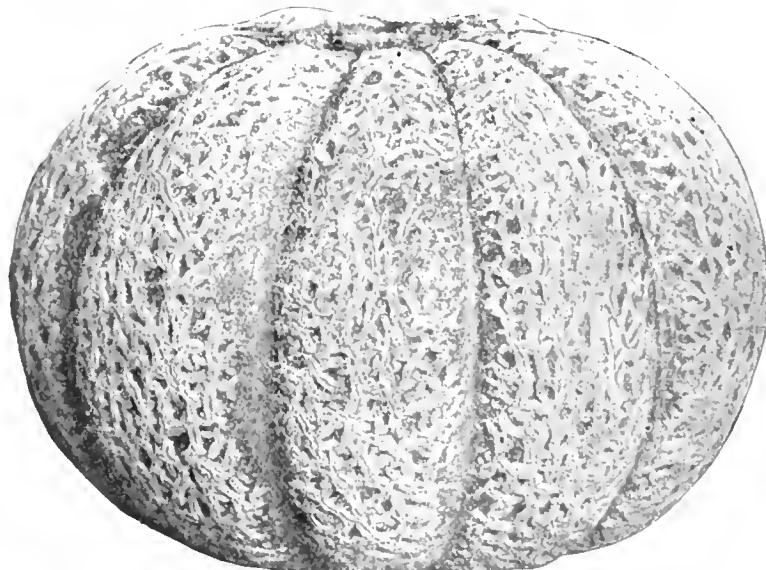
Fordhook Bush Lima under widely varied conditions during the past season (1907), has fully justified all claims made in our introductory announcement last year. Indeed, in habit of growth, great productiveness and fine table quality, it has even surpassed our own expectations.

Per pkt. 10 cts. (net.), 1/4 pint 30 cts., 1/2 pint 55 cts., per pint \$1.00.

"What's in a Name?"

The Name—**Fordhook**—is known to planters everywhere as that of our Pennsylvania Farms, so famous as the home of the largest Trial Grounds in America. The name **Fordhook** is widely known also, as that of the finest extra long *Cucumber*,—the best all-the-year-round *Squash*,—the earliest large *Watermelon*,—and the most unique *New Bush Lima*. With such a record, our friends will readily understand that when we have a new muskmelon, of most unusual merit,—upon which we willingly stake our reputation,—we naturally give it

The Name "Fordhook"



NEW MUSKMELON—BURPEE'S "FORDHOOK" (See from a Photograph)

Burpee's New "Fordhook" Muskmelon

Fully equals our *Emerald Gem* in delicious flavor. So firm is the rough-netted skin, and so solid the thick salmon flesh, that the melons carry to market even better than do *Burpee's Netted Gem*,—the famous "Rocky Ford" Melon.

Fordhook Melon is the result of a cross between *Burpee's Emerald Gem* and the *Improved Jenny Lind*. As shown by the illustration, it resembles the "Improved Jenny Lind" in form; it is equally as roughly netted, while the skin, showing between the netting, is emerald-green. The flesh is very thick, of an attractive deep salmon color and surpassingly sweet to the very rind. It is fully equal in flavor to the *Emerald Gem*. The beautiful salmon flesh, while so surpassingly luscious, is not only very thick, but also extremely solid. The rind, although thin, is unusually firm, so that the fruits carry well to market. There are no muskmelons (or cantaloupes) that are better shippers.



Fordhook Melon is most vigorous in growth, very early and extremely prolific. The fruits are ready for market fully as early as the green-fleshed *Early Jenny Lind*. The vines grow vigorously and each vine sets from five to nine melons immediately around the stem; frequently the fruits touch one another. The melons are remarkably even in size, weighing from 1 lb. 8 oz. to two pounds each. "Fordhook" is so "thoroughbred" that there are practically no fruits unfit for market. We print letters from the originator and several other growers, all uniting to prove that this unequaled new melon is well worthy of the name **FORDHOOK** to emphasize that it is

"Burpee's Best" Cantaloupe.

Per pkt. 10 cts. (net.), 1/4 oz. 25 cts., 1/2 oz. 40 cts., per oz. 75 cts., postpaid.

The Burpee Idea

the BEST SEEDS that can be grown!

Shall we mail you a copy of "The Leading American Seed Catalog?" It is an elegant book of 172 pages and is mailed only to those who can appreciate the **BURPEE QUALITY** in Seeds. Most Important Novelties for 1908—which can be had only direct from us. Write TO-DAY!

W. ALTEE BURPEE & CO., Seed Growers, PHILADELPHIA, PA.

is "to try all things, hold fast to those that are just good—and then make them better!" If you would have pleasure or profit from your garden you should plant

If not already received, be sure to send your address TO-DAY for **BURPEE'S BLUE LIST** most complete of all who sell catalogs for market gardeners who PLANT FOR PROFIT. Should you forget our full address and want to order at any time, remember it is sufficient to write on the envelope **BURPEE, Philadelphia**

OUR ANNUAL

Remember you may deduct 5% Discount if Cash accompanies Order

BEGONIAS

Single-Flowering Tuberos-Rooted

For planting in beds and where color effect is desired. Our stock of these bulbs will be found true to color and free from mixture.

Crimson	Rose	Salmon
Scarlet	Pink, Light	Orange
White, Pure	Yellow	Copper

Large bulbs measuring 1 1/4 inches and upward, separate colors or all colors mixed, doz. 35c., 100 \$2.25, 1000 \$20.00.

Double-Flowering Tuberos-Rooted

These can be depended upon producing 100 per cent. double flowers and contain very large and choice varieties.

Crimson	White, Pure	Yellow
Scarlet	Copper Bronze	Orange
Rose	Salmon	Light Pink

Large bulbs measuring 1 1/4 inches and upward, separate colors or all colors mixed, doz. 55c., 100 \$4.00, 1000 \$35.00.

CALADIUM

Caladium Esculentum—(Elephant's Ear)

Bulbs measuring 6 to 8 inches in circumference, 25c. per doz., \$1.50 per 100, \$10.00 per 1000.
 Bulbs measuring 8 to 10 inches in circumference, 50c. per doz., \$3.50 per 100, \$30.00 per 1000.
 Bulbs measuring 10 to 12 inches in circumference, 75c. per doz., \$5.50 per 100, \$50.00 per 1000.
 Bulbs measuring 12 to 13 inches in circumference, \$1.00 per doz., \$8.00 per 100, \$75.00 per 1000.
 Monster bulbs measuring 13 inches and upward in circumference, \$1.50 per doz., \$12.00 per 100.

Cinnamon Vine

Large size bulbs, 50c. per doz., \$3.00 per 100.

Callas, Spotted Leaf—Richardia albomaculata
 Very free Summer blooming variety, \$3.00 per 100, \$25.00 per 1000.

Hyacinthus Candicans—(Cape Hyacinth)

Large bulbs, \$1.50 per 100, \$12.00 per 1000.

DAHLIAS

The Leading Varieties for Florists

Price of named varieties of Dahlias, large divided clumps or roots, 10c. each, \$1.00 per doz., \$3.00 per 100, \$75.00 per 1000.

We can also furnish, without names, in mixture, all colors separate, or all colors mixed, as follows:

Mixed Pinks	Mixed Reds
Mixed Whites	Mixed Yellows

8c. each, 75c. per doz., \$6.00 per 100, \$55.00 per 1000.

Mixed, all colors.
 60c. per doz., \$5.00 per 100, \$45.00 per 1000.

Boddington's Quality GLOXINIAS

This popular flowering plant is coming into greater vogue than ever, not only as a pot-plant for house decoration, but also for cut-flower purposes. Our strains of Gloxinias are the true erect flowering type, grown by a specialist in Europe.

Blanche de Vera. White, rose-bordered.
 De fiance. Glittering crimson.
 Emperor William. Blue, white border.
 Etoile de Feu. Carmine-red.
 Kaiser Frederick. Scarlet, white margin.
 King of the Reds. Dark scarlet.
 Madame Helene. White, with violet crown.
 Marquise de Peralta. White, red-bordered.
 Mont Blanc. Snow white.
 Prince Albert. Deep purple.
 Princess Elizabeth. White, bordered blue.
 Princess Mathilde. White, with rose crown.
 Queen Wilhelmina. Dark rose.

Above named sorts, 65c. per doz., \$4.50 per 100, \$40.00 per 1000.

Boddington's Spotted Varieties, 75c. per doz., \$5.50 per 100, \$50.00 per 1000.

All Colors Mixed, 50c. per doz., \$4.00 per 100, \$35.00 per 1000.

Ismene Calathina—(Pencostium)

A grand Summer-flowering bulb, producing throughout the season large Amaryllis-like, pure white, fragrant blossoms. 75c. per doz., \$6.00 per 100.

GLADIOLUS

The Grand New Giant Gladiolus, **HOLLANDIA** (The Pink Branchleyensis). Flowers well arranged on a spike which attains a height of about 4 feet. Often as many as 30 blooms of a charming pink shade tinted yellow are open at one time. 50c. per doz., \$3.00 per 100, \$25.00 per 1000.

AMERICA. This beautiful new Gladiolus is likely to produce as great a sensation as the now famous Princeps. The flowers, which are of immense size, are of the most beautiful flesh-pink color, and as a florist who saw it said, it is "fine enough for a bride's bouquet." \$1.00 per doz., \$6.50 per 100, \$60.00 per 1000.

Augusta. The florists' best white Gladiolus in existence. First size bulbs, 1 3/4 inches and up..... \$2.00 \$18.00
 Bulbs 1 1/2 to 1 3/4 inches..... 1.75 16.00

1900. Nothing finer for florists' use. Flower is of a rich shade of red with very prominent white spots on three lower petals..... 2.00 15.00

Mrs. Francis King. One of the newer varieties of merit. Color of flowers is a light scarlet of a pleasing shade which attracts attention at once. Flowers are large and are borne on long spikes..... per doz. 75c. 4.50

Princeps. Color rich crimson, with broad white blotches across the lower petals. Flowers can be grown to nearly 8 in. in diameter under stimulating culture..... doz. \$1.50. 12.00

Groff's Hybrids (originator's strain). Extra-selected bulbs..... 1.50 12.00

Shakespeare. White and rose..... 4.75 45.00

May. Pure white, flaked, rosy crimson, the best forcer, selected bulbs..... 1.75 15.00

Branchleyensis (true). Piery scarlet, selected bulbs..... 1.50 13.00

(true). First size bulbs..... 1.25 10.00

Boddington's White and Light. Extra-selected bulbs, 1 3/4 inches and up.... 1.50 14.00

Bulbs 1 1/2 to 1 3/4 inches..... 1.25 10.00

American Hybrids. A mixture of the choicest varieties of Gladiolus in cultivation; very fine..... 1.00 9.00

Striped and Variegated..... 2.25 20.00

Pink and Rose shades..... 1.50 12.00

Orange and Yellow shades..... 4.00 35.00

Scarlet and Red shades..... 1.25 10.00

Lemoine's Hybrids..... 1.50 12.00

Childsii..... 2.00 18.00

Finest all colors mixed..... 75 7.00

Lily of the Valley

Large clumps of Lily-of-the-Valley for outside planting. These clumps will throw from 20 to 25 spikes of flowers. \$2.50 per doz., \$20.00 per 100. Cold storage valley all the year round, \$15 per 1000.

Dielytra Spectabilis—(Bleeding Heart)

Piety-grown, 75c. per doz., \$6.00 per 100.

JAPANESE IRIS

(Iris Kaempferi)

The collections which we offer are American grown, thoroughly acclimated and hardy and true to color and name, which is rarely evident in the imported Japanese stock. The Japan Iris will succeed anywhere in a good rich soil, though a moist position is preferable.

We offer 20 named single and double varieties.
 Price \$1.25 per doz., \$10.00 per 100, \$75.00 per 1000.
 25 at 100 rate, 250 at 1000 rate.

GERMAN IRIS

Named in the following eight varieties.

Africa. Dark blue.	Spectabilis. An early and free variety; deep blue.
Dr. Glock. Yellow.	
Helen. Blue.	
Henriette. Yellow.	Stella. Light blue.
Mme. Chereau. Pearly white, daintly edged lavender.	Velveten. Light yellow, lower petals purple-black.

75c. per doz., \$6.00 per 100.

HARDY JAPANESE LILIES

For Outdoor Planting, or Growing in Pots for Summer Flowering.

Lilium Auratum—(Golden-Rayed Lily of Japan)

Monstrous pure white flowers, thickly studded with crimson spots, each petal marked with a wide gold band. A good forcer and excellent for outdoor effect, being perfectly hardy.

8 to 9-inch, 225 in a case, 80c. per doz., \$5.00 per 100, \$45.00 per 1000.

9 to 11-inch, 125 in a case, \$1.00 per doz., \$8.50 per 100, \$80.00 per 1000.

11 to 13-inch, 100 in a case, \$1.75 per doz., \$14.00 per 100, \$130.00 per 1000.

Lilium Speciosum

Lilium speciosum album. Pure white; a grand variety. 8 to 9-inch bulbs, 225 in a case, \$1.00 per doz., \$7.50 per 100, \$70.00 per 1000.

9 to 11-inch bulbs, 125 in a case, \$1.75 per doz., \$12.50 per 100, \$120.00 per 1000.

11-inch and over, 100 in a case, \$2.50 per doz., \$20.50 per 100, \$200.00 per 1000.

Lilium speciosum Melpomene. Very rich crimson. 8 to 9-inch bulbs, 225 in a case, 75c. per doz., \$6.00 per 100, \$55.00 per 1000.

9 to 11-inch bulbs, 125 in a case, \$1.25 per doz., \$9.00 per 100, \$85.00 per 1000.

Lilium speciosum rubrum. White ground, spotted rose on each petal; very handsome. 8 to 9-inch bulbs, 225 in a case, 75c. per doz., \$5.75 per 100, \$55.00 per 1000.

9 to 11-inch bulbs, 125 in a case, \$1.25 per doz., \$8.50 per 100, \$80.00 per 1000.

11-inch and over, 100 in a case, \$1.75 per doz., \$12.50 per 100, \$120.00 per 1000.

PEONIES

The roots offered below are extra strong pieces, having 3 to 5 eyes each

Paeonia Officinalis Doz. 100

Rubra. Deep crimson; can be forced for Easter.....	\$0.75	\$6.00
Alba. White.....	1.25	10.00
Rosea. Rose; also a good forcer.....	1.00	7.50

Paeonia Chinensis—Double to Color

White Varieties.....	1.25	10.00
Pink Varieties.....	1.00	8.00
Red Varieties.....	1.00	7.50

Case containing 67 Double White, 66 Double Red, 67 Double Pink Peonias, very strong roots, 3 to 5 eyes, 200 in all, \$17.50 per case, 3 cases for \$50.00.

CANNAS, Our Selection

\$15.00 per 1000; \$1.75 per 100.

For your selection. Write for prices or see our recent advertisements in The Florists' Exchange, March 21, 1908, page 374.

TUBEROSES

Double Pearl. Red seal brand, selected bulbs, 4 to 6 inches in circumference, \$1.00 per 100, \$9.00 per 1000; 3 to 4 inch in circumference, 75c. per 100, \$6.00 per 1000.

Madeira Vines

Large bulbs, \$1.25 per 100, \$10.00 per 1000.

LENOX LAWN GRASS SEED

Absolutely free from all noxious weed seeds

This mixture is composed of fine-leaved dwarf-growing grasses, all of the highest quality re-cleaned seed. With proper preparation of the soil before sowing, it will produce a rich, velvety lawn, in six weeks, which will remain green throughout the year. This mixture has produced some of the most famous lawns in Lenox, Mass. We recommend sowing five bushels of seed to the acre. One quart of seed will sow 15x20 feet (300 square feet), one bushel 100x108 feet (10,800 square feet). Price, put up in handsome packages for store trade, \$10.00 per 100 qts. 75c. per pk., \$3.00 per bu. of 20 lbs.

For other varieties of Seeds, Bulbs or Plants, see our Wholesale and Retail Catalogue, from which latter a liberal discount is allowed. Mailed Free on application.

Arthur T. Boddington, 342 West 14th St. New York City

SPRING OFFER

Remember you may deduct 5% Discount if Cash accompanies Order

HARDY HYBRID PERPETUAL, CRIMSON RAMBLER and Other Roses

The right time to buy Roses is when they are fresh and well ripened. Roses potted up for Easter and Decoration Day are always good sellers.

Prices on Hardy Hybrid Perpetual Roses 75c. for 5, \$12.00 per 100, \$110.00 per 1000.

Hardy Perpetual Roses

We offer exceptionally strong two-year-old dormant, low-budded stock (on Manetti), in the following varieties true to name:

- Alfred Colomb. Carmine.
- Anne de Diesbach. Bright carmine.
- Ball of Snow. Pure white.
- Baron de Bonstetten. Dark crimson shaded.
- Baroness Rothschild. Satiny pink; extra.
- Captain Christy. Delicate flesh-color.
- Duke of Edinburgh. Bright vermillion.
- Fisher Holmes. Dark rich scarlet.
- Frau Karl Druschki. The finest white in existence.
- General Jacqueminot. Rich velvety crimson.
- John Hopper. Beautiful rose-pink.
- General Washington. Beautiful red, shaded carmine.
- La France. The finest light pink.
- Margaret Dickson. White, pale flesh center.
- Magna Charta. Clear rosy pink.
- Mme. Gabriel Luizet. Light, satiny pink.
- Mme. Plantier. White.
- Mrs. John Laing. Soft pink; most desirable variety.
- Paul Neyron. Beautiful dark pink.
- Prince Camille de Bohan. Velvety crimson.
- Ulrich Brunner. Cherry-red.

We also carry about 25 other varieties. Write for list and price.

The Grand Pink Rose, Mrs. Sharman Crawford

One of the finest Roses grown. Deep rosy pink, the outer petals shaded with pale flesh-color, white at base of petals, and distinct from all other Hybrid Perpetual Roses. 20c. each, 85c. for bundle of 5, \$15.00 per 100.

Baby Ramblers

The Tree Baby Rambler. Grown as a Standard.

The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. The variety is too well known for description; enough to say, it retains all its characteristics of free-blooming qualities, etc. 35c. each, \$3.50 per doz., \$25 per 100.

THE BABY RAMBLER, Mme. Norbert Levassieur. Strong field-grown plants, \$1.25 for 10, \$12.00 per 100.

CATHERINE SEIMETH. A very important novelty. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. It has the true rose perfume in a high degree. 45c. each, \$4.50 per doz., \$35.00 per 100; extra strong, 60c. each, \$6 per doz., \$45.00 per 100.

ANNY MULLER. The Pink Baby Rambler, and bound to find favor where the Baby Ramblers are popular. 45c. each, \$4.50 per doz., \$35.00 per 100.

MRS. WM. H. CUTBUSH. A grand acquisition to the Baby Rambler class. Color intense crimson, and exceptionally free-flowering. 25c. each, \$1.00 for 5, \$18.00 per 100.

BABY DOROTHY. The same in habit as Baby Rambler, but the color of the flowers is similar to Dorothy Perkins. This variety has created quite a sensation when exhibited at the English National Rose Society and other shows. "Baby Dorothy," when planted out, flowers perpetually from Spring until Autumn. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 50c. each, \$2.00 for bundle of 5, \$35.00 per 100.

English Moss Roses

Assorted, White, Pink, Red. Large dormant plants, from open ground. 10c. each, 85c. for 5, \$12.00 per 100.

Standard, or Tree Roses (Grafted on Rosa Canina or Rugosa Stock)

Large, well-grown, selected plants in the best and most serviceable varieties. 35c. each, \$3.25 for 10, \$25.00 per 100.

Manetti Stocks for Grafting

Selected English stock, best quality, \$1.50 per 100, \$12.00 per 1000.

HYBRID TEA, or Everblooming Roses

Hybrid Tea, or Everblooming Roses are becoming more popular every year. As hardy as the perpetuals, with slight protection in Winter, they give a wealth of bloom all through the Summer months and late in the Fall till frost checks them.

THE GRAND NEW ROSE LYON. Originated by the raiser of Etoile de France. Perpetual flowering. Vigorous grower. The blooms are very large, with broad petals, full and globular in form; shrimp-pink at the ends of the petals, center coral red or salmon-pink shaded with chrome-yellow. Very fragrant. \$1.25 each, \$6.00 for bundle of 5, \$12.00 for 10.

THE KILLARNEY ROSE. This is a grand Rose for either indoor or outdoor cultivation; is a strong grower, and the blooms, which are of a beautiful pink, are borne in great profusion. Strong, 2-year-old field-grown stock. 25c. each, \$1.00 for bundle of 5, \$18.00 per 100.

MAMAN COCHET ROSES. The best of all Roses for Summer-flowering and cutting.

Maman Cochet (Pink). Color a clear, rich pink changing to silvery rose; very double and fragrant.

Maman Cochet (White). A sport from the above, with all its characteristics; color a beautiful snow-white, at times tinted with the faintest suggestion of blush, the same as is often found in the Bride. 25c. each, 75c. for bundle of 5, \$12.00 per 100.

ROSE, ETOILE DE FRANCE. Flower large, possessing petals of very good substance; magnificent cupped form. Superb crimson-red velvet, the center of the bloom vivid cerise-red. The flowers are very fragrant and last very long. **The Queen of the Everblooming Red Roses.** The most free-blooming and vigorous Red Rose ever introduced. Strong 2-year-old plants, field grown, 25c. each, \$1 for bundle of 5, \$18.00 per 100.

GRUSS AN TEPLITZ. No Rose in commerce can compare with Gruss an Teplitz as a bedder. It is a perfect sheet of richest crimson-scarlet all Summer. A strong, vigorous grower. Hardy. 20c. each, \$1.50 per 10, \$12.00 per 100.

Popular Hybrid Tea Roses

American Beauty, Kaiserin Augusta Victoria, Clothilde Souper, Caroline Testout, Hermosa. 20c. each, 75c. for bundle of 5, \$12.00 per 100.

RAMBLERS and other Climbing Roses

HIAWATHA. A seedling from Crimson Rambler. The flowers are single, and are of a deep, intense crimson shade with the petals shading to a pure white base. Foliage dark glossy green. Flowers very freely. It is an excellent plant for forcing. Extra strong, 3-year-old field-grown, flowering plants, \$1.00 each, \$5.00 for 5; 2-year-old, strong plants, each 50c., \$2.00 for bundle of 5.

WEDDING BELLS. A seedling of the Crimson Rambler. The most floriferous Rose yet produced. The color is white with the upper half of the petals soft pink. Fine for forcing. Perfectly hardy. Extra strong 3-year field-grown flowering plants, \$1.00 each, \$5.00 for 5.

LADY GAY. Cherry-pink, fading to a soft white. Each 25c., \$1.00 for 5, \$18.00 per 100; extra strong, 3-year plants, each 75c., \$3.50 for bundle of 5.

NEW CLIMBING ROSE, TAUSENDSCHON ("A thousand blooms.") Result of crosses between Crimson Rambler with Tea and Polyantha Roses. Soft pink, 50c. each, \$2.50 for 5.

CRIMSON RAMBLER ROSE. American-grown. We can supply extra-strong 2-year-old plants grown on their own roots, at the following prices: 3 to 4 ft., 15c. each, 65c. for bundle of 5, \$12.00 per 100; 4 to 5 ft. long, 20c. each, \$1.00 for 5, \$15.00 per 100; 4 to 6 ft. long, 25c. each, \$1.15 for 5, \$18.00 per 100.

DOROTHY PERKINS. Resembles the Crimson Rambler, except in color, which is a lovely shell-pink. 15c. each, 65c. for 5, \$12.00 per 100.

NEW CLIMBING ROSE, CLIMBING FRAU KARL DRUSCHKI. This is a climbing sport from the well-known snow-white, Frau Karl Druschki, and should become very popular. Good, strong plants are offered as follows: \$1.00 each, \$5.00 for 5.

Other Climbing Roses of Merit

PAUL'S CARMINE PILLAE. Flowers large and free; color rosy carmine. Two-year-old, field-grown, 15c. each, 65c. for 5, \$12.00 per 100.

MARECHAL NIEL. Color bright, rich golden yellow. Field-grown, 15c. each, 65c. for 5, \$12.00 per 100.

OLOIBE DE DIJON. Color buff, orange center, very sweet-scented. Field-grown, 15c. each, 65c. for 5, \$12.00 per 100.

Well-Known Climbers

Mme. Plantier. White.
Baltimore Belle. Pale blush color.
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Arthur T. Boddington, 342 West 14th St. New York City

Yucca Aloifolia and Other Matters.

Editor Florists' Exchange:

Referring to Mr. Mehan's notes in regard to yuccas, page 239, I would suggest that atmospheric influences have a great deal to do with the hardiness of certain plants. The yuccas native to dry hills are less hardy in the humid air of the salt water sections than on the hills of the southern interior, while plants like figs are far more hardy near the salt water than in the interior much farther South. Figs will get hurt at Raleigh, N. C., when they are not at all injured at Old Point Comfort, Va.; and right across the Chesapeake from your St. Mary's County correspondent I have seen fig

and the roots of *Plumbago capensis*, covered with snow, escaped and grew and bloomed finely the next season. *Metrosideros* also survived, and *Oleo fragrans* hardly lost a leaf. I saw this bush of *Oleo fragrans* recently, and it is still flourishing, directly exposed to the north-west winds, but screened from the morning sun, and is now partly shaded by a large plant of *Photinia serrulata*, which was in bloom when I saw it in early December. It never fruits there of course, but makes a very handsome broad-leaved evergreen.

The tall yuccas about Norfolk, Va., are usually *hacata*. *Gloriosa* and *recurvifolia* should be hardy with your Maryland friend, but I doubt the hardiness of *aloiifolia*. I had the variegated form of this at Raleigh,

northern natural limit at Old Point Comfort, Va.; and in the shrubbery sheltered from Winter sun he could grow well some of the more hardy Chinese azaleas such as *alba* and *Phenicia*. In Central North Carolina *Gardenia florida* flourishes finely on the northeast front of a building, but loses its leaves and often gets cut down if exposed to the morning sun. All the more tender broad-leaved evergreens are better sheltered from the morning sun.

W. F. MASSEY.

Our London Letter.

THE ROYAL GARDENS, KEW.—I have paid periodical visits to Kew for the past 30 years, and during this time I have seen many alterations and improvements. At one time trade growers looked upon Kew Gardens as affording but little help or instruction to those who grow for commercial purposes, yet to those who cared to investigate there was always something to learn; at least I found it so. And of recent years much of the work done there has led to owners of private gardens following the example and has created trade. The grouping of plants which under natural conditions are found growing together has been made a great feature. The bamboo garden, with all the species arranged together, is far more interesting than if they were dotted about among other subjects. The illustration gives some idea of the effect of these graceful plants grouped together. It was from seeing the bamboo garden at Kew that induced Leopold de Rothschild to have the beautiful Japanese garden made at Gunnersbury House. Here not only bamboos but many other Japanese shrubs, bulbs, etc., are grown and all visitors admire this more than any other part of the well-kept gardens. Others have also planted bamboos extensively and growers who were fortunate enough to have a good stock have done a good trade.

The rock garden is another great feature, and since its formation the example has been followed in many private gardens. Messrs. Backhouse & Sons' fine rockery was an earlier example, but where one saw it hundreds have seen the Kew rockery. No garden of any size is now complete without a rockery, and those who have taken up the culture of alpine have found it a profitable enterprise.

Rock gardens have become quite an important feature at our flower show. At the Temple show last year there were rockeries of all sizes, from those which might be arranged in quite small gardens, to the large pile arranged in the open by Messrs. Cutbush & Sons. This had a large pond for aquatics at its base and the effect was quite unique. In fact the rock gardens attracted as much attention as did the grand exhibits of orchids and quite a good business was done by the exhibitors.

GLOXINIAS.—Considerable improvement has been made in gloxinias during the last few years, and it is now no longer necessary to trouble about named varieties, for from carefully selecting the seed plants for a number of years we get equally good flowers and a great variety of the best colors from seed, and the seedlings make better plants than those propagated from leaves or cuttings. We do occasionally see some at exhibitions that have been grown under shade and too much heat, but most growers now expose them more to the sun and give them less heat, with the result that the plants make sturdy growth and the flowers are of better substance. More loam and manure are used, instead of so much peat and leaf mold. The illustration represents plants as grown by Messrs. Peed & Son, who have shown them well during the season.

A. HEMSLEY.



Gloxinias as grown by Messrs. Peed & Son, Norwood, England.

trees on the shores of Tangier Sound into which two of us climbed, while I never saw a fig tree in the central part of North Carolina which would be strong enough for any one to climb up in.

Yucca Treuleana is hardy at Raleigh when the stem is allowed to be clothed with dead leaves; but I once stripped the stem of a plant bare; the Winter following was the unusually severe one of 1893-4, and the plant was frozen off at the ground, while the top seemed unhurt and made a strong cutting, and the plant again started from the root and never was hurt afterward, for I let the old leaves remain to protect the stem.

In all the upper South certain plants may be considered hardy, and yet there will come an occasional Winter, or spell such as that which destroyed the orange trees in Florida, when these plants will get killed. I had in Raleigh plants of *Pittosporum tobira* six feet high and on the same lawn oleanders. The Winter of 1893-4 killed the *pittosporums* entirely, while the oleanders were killed to the ground, but grew strongly the next season. What struck me as odd was that the variegated form of *pittosporum* was not killed, only singed,

sheltered from the north and west by a brick building; but I doubt its hardiness there if fully exposed to sun and wind.

I expect that your Maryland correspondent will find that his pomegranates have been cut by the cold snap we had some time ago. They are cut here, in a similar and rather milder climate, for the climate east of the bay is generally much milder than in the same latitude west of it. At Raleigh I had a *justicia* planted just outside of the brick wall of the cellar where the big boiler was located that heated the greenhouses, and, of course, that wall was always warm and tempered the ground outside so that it never froze. That *justicia* grew in the Spring from the roots, but it would not do for me to say that *justicias* are hardy there, for they are far from being so.

I do not believe that Mr. Hodgson can grow *Yucca Treuleana* in his location. The humidity of the air would make it more susceptible to the cold. I believe he can grow the *photinia*, *Ilex Cassine* and *glabra* and, perhaps, *Oleo fragrans* and a few other broad-leaved evergreens, such as *Ligustrum lucidum* and *ibota*, *Magnolia grandiflora* and the live oak, which last reaches its



Entrance to Rock Garden.

At Kew Gardens, London, England.

The Bamboo Garden.

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PHILADELPHIA CUT FLOWER CO., 1517 SANSON STREET PHILADELPHIA, PA.

2-Year-Old Everblooming Roses OWN ROOTS

These are strong, well branched plants. They have been potted for some time and are well equipped with roots. Packing can be done very light and they will carry safely to any part of the country.

- \$1 per doz.; \$8 per 100; \$75 per 1000.
Baby Rambler
Clothilde Souper
Marie Van Hobite
Etoile de Lyon
Mme. Chatenay
Mme. Grolez
Snowflake
Climbing Meteor
Bessie Brown
Isabella Sprunt
Coe de Lyon
Perle des Jardins
Yellow Cochet
HERBID PERPETUALS
Paul Neyron
Mrs. Jno. Laing
A. Dlesbach
100 varieties; 2 1/2-inch pots.
WHITMANI FERNS, pot grown, 6 to 8 fronds, \$1.25 per doz., \$10.00 per 100; 2 1/2-in. pots, \$4.00 per 100.

JOHN A. DOYLE, Springfield, Ohio

60,000 CALIFORNIA PRIVET

All bushy plants, 2 years old, cut back once, \$3.00 per 100, \$25.00 per 1000; 1 year old, \$1.50 per 100, \$12.50 per 1000. Cash please.
M. H. KRUSCHKA, Asbury Park, N. J.

ROSES

THE RECENT DECISION ON ROSE CUTTINGS.—With reference to the recent decision of the United States court of appeals, second circuit (suit 1800), United States v. American Express Company, involving the classification of rose cuttings, the Treasury Department has written to the Collector of Customs at Buffalo, N. Y., as follows:

"The Department is in receipt of a letter from the Attorney-General in which he states that no further steps will be directed in suit 1800, United States v. American Express Company, which was recently decided by the United States circuit court of appeals for the second circuit adversely to the Government.

"The merchandise in suit consisted of certain rose cuttings that had been put in sand in preparation for shipment. They were assessed with duty under paragraph 252 of the tariff act as rose plants, and were held by the Board, the circuit court, and the circuit court of appeals to be properly dutiable under the said paragraph at the rate of 25 per cent. ad valorem.

"In view of the foregoing, you are hereby authorized to forward the usual certified statement for the refund of duties exacted in excess in settlement of this case."

Commercial Rose Growing.

BY EBER HOLMES.

(Concluded from page 385.)

After planting we give a thorough watering around the plant without wetting the whole bed, and after that we give no more water for from one to three weeks, as the case may require, but rely on syringing and cultivating to keep things moving. Keep the soil stirred once a week among newly planted stock; it can be done quicker than the weeds can be pulled out, which come if the soil is not scratched over, and is of incalculable benefit to the plants. As soon as the planting is finished, all left-over stock can be planted out in the field where it will take care of itself, and unless required, it can be left there until just before the ground freezes in the Fall, when it can be brought in and potted or planted thickly on a bench in a cool house, where they will make good plants for Easter or Memorial Day. If lifted about the first of September they will make acceptable plants in pots for Christmas. Liberty makes a splendid rose for this purpose. If established in pots in the Summer, treated as a hybrid in early Fall, it can be well flowered for Christmas.

If needing room now for replanting, any healthy plants to be dug up, if potted, will be fine for Memorial Day. Last year we had 800 plants of Liberty in a house with Bride and Bridesmaid; they did well up to Christmas, after that they refused to work. About the first of March we trimmed the weak wood out of them, and as they grew kept them pinched back until the 15th of April. Between the 15th of May and the 15th of June we cut over 10,000 good flowers from these plants. About eight weeks before Christmas is late enough for the final pinching back for Christmas flowers. This method of holding back flowers is not so new as some may imagine, as it was practiced in the Middle West twenty years ago.

Carrying over plants.

In regard to drying off plants to be carried over to another year, it seems as if more harm is done by too much drying off, than otherwise. The beds will dry naturally in the heat of the Summer, the wood should never shrivel and foliage should be syringed enough to keep down spider. This Summer treatment is where local conditions and soils call for different treatment.

Syringing.

Syringing is another operation which calls for discretion. Is it paradoxical when we read, "do not let roses get soft," and "do not let them get hard," in notes written on the subject? The softness to

Hardy Roses

American Grown—Superior to Imported

We have unsold at the present time the following varieties—all field grown plants, grown in our nurseries at Rochester, N. Y.:

- Anne de Blesbach
Clio
Fran Karl Draachkl
General Jacqueminot
John Hopper
Mme. G. Luizez
Marshall P. Wilder
Mrs. Joho Laing
Paul Neyron
Prince Camille
Ulrich Brunner
Crimson Rambler
White Rambler
Yellow Rambler
Philadelphia Rambler
Common Sweet Brlar
Mme. G. Brunt
Weihnanna (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request.

ELLWANGER & BARRY

Nurserymen—Horticulturists Mount Hope Nurseries, Rochester, N. Y.

Have You Enough

BERBERIS THUNBERGII, VIBURNUM DENTATUM, DELPHINIUM FORMOSUM, AQUILEGIA CHRYSANTHA, HOLLYHOCKS, etc. for your

SPRING DELIVERY?

We can furnish you some strong and healthy stock at a very reasonable figure. Prices on application.

Littlefield & Wyman, North Abington Mass.

ROSES & VINCAS

Vines var., strong and prime, R. C., \$1.00 per 100; \$9.00 per 1000; 2 1/2-in., \$2.50 per 100; \$22.50 per 1000; 3 in., \$4.00 per 100; 4 in., \$6.00 per 100.

LEEDLE FLORAL COMPANY, SPRINGFIELD OHIO

be avoided is of the foliage and young shoots caused by insufficient air, too much fire and syringing; the hardness to be guarded against is of the older wood caused by a too low temperature and not enough syringing. How this operation varies with the seasons! Commencing now with the increasing sun and still lots of fire heat at night, evaporation is rapid and good heavy syringings are in order to keep the foliage clean and large. Special attention should be given to the ends of the benches where pipes may be nearer the plants, and dry walks should be damped down every day. If a general syringing is not given every day, the plants should at least get a spraying through the bottom from every other walk. I believe in afternoon syringing in the Summer time, especially for young and replanted stock. I would not do this later than four o'clock, and not on cold or wet days, and would discontinue it as soon as the nights get cool. As the Fall approaches, it must be done early in the morning, so that the plants can dry off before night, or mildew and black spot will soon make their appearance. In the Winter when the plants will not dry, the syringings have to be cut down to about one a week, and even then some varieties have to be shaken to remove the surplus moisture, or they remain wet over night. At this time we rely on frequent damping down of the walks and boards, combined with spraying through the bottom of the plants, to keep the wood soft and induce it to break.

Disbudding and Mulching.

Disbudding is another thing which must be done at the right time. When the plants are growing fast, they should be gone over at least every other day.

Mulching is another important matter; right now is the time to apply a coating if not already done, if good flowers are wanted for the next three months. I believe that September 1 is late enough to mulch for Christmas flowers. If applied later when the days are shortening, it is difficult to dry out the plants and make them break properly. We apply a light dusting of bone flour, about 100 pounds to 2,000 square feet of bench surface, and then for the same space, from one-half to three-quarters of a cord of good cow manure chopped up with dry loam and a little lime. In a few weeks this becomes a part of the bed, as it will crumble and can be leveled down and is in good condition later to receive liquid manure. If top dressing has to be done later, I would lay it in ridges rather than blanket the whole bench with it. We find pails of wood or zinc the handiest things to use for applying top dressing. Here again, five or six men can work together to good advantage, and will cover about 5,000 square feet in a day.

Fumigation and Ventilation.

Fumigation must be attended to regularly, and the proprietary articles sold are cheaper in the end than the old-fashioned tobacco stems. A little sulphur should always be kept on the pipes to keep down mildew, always remembering that prevention is better than cure. When flowers are not selling well, the plants require particular attention, as poor stock is of no value in a falling market.

Ventilation is of the utmost importance in rose growing. Commencing now with the warm Spring days approaching, a little air should be given early in the morning. Soon the temperature will begin to rise before 7 o'clock, and if air has not been carried all night, the night man can put on a little on his last round. I like to anticipate the rise, and by frequently raising the ventilators a little, always keep ahead of the game, and by this method, the houses never get so hot in the Springtime and the plants are kept healthy and clean.

It is important that the houses be kept clean at all times, with no muddy places or water standing in the walks, especially when the firing is reduced to a minimum.

Cutting the Flowers.

The flowers should be cut as early as possible in hot weather and be placed at once in clean water. It is noticeable that every man's stamp is on his own products. A man handling roses in a store can tell you without any distinguishing mark who grew this lot, or where these flowers came from.

New Varieties.

In conclusion, a few words about the new varieties. It is the part of wis-

CANNAS

Our stock is true to Name. Extra Selected. plumb, sound, 2, 3, 4-eyed roots

Austria \$1.20	Italia \$2.00
Allemania 1.75	King Humbert 12.00
Alba Rosea 2.00	Louise, plink 2.00
Alph. Bouvier 2.00	Metallien 1.50
America 2.00	M. Washington 2.00
Brandywine, new 3.00	Mont Blanc 5.00
Black Warrior 3.00	Musaeolia, new 1.50
Buttercup, new 4.00	Mrs. K. Gray 2.00
Burbank 1.20	Oecoda, new 3.00
Black Prince 2.00	Papa Nardy 6.00
Black Beauty 3.75	Pennsylvania 2.00
Coronet 2.00	Premier, gold ed 2.25
Chas. Henderson 2.00	Pres. Meyers 2.50
Crimson Bedder 2.00	Queen Charlotte 2.50
Evolution 2.00	Q. of Holland 1.50
Egandale 2.00	Robusta, red 1.50
Express, dwarf 4.00	Sec. Chabanne 2.00
Flamingo 2.00	Triumph 3.00
Fler. Vaughan 2.00	West Virginia 3.00
Gladiator, new 3.00	All kinds mix- ed 1.00
Dahlia, field-grown, leading kinds for cut flowers, all named, per doz. 40c.; per 100 \$3.50.	
Caladiums escul. Elephant's Ear. Per 100	
6-8 in. circumference \$1.50	
8-10 in. circumference 3.50	
10-12 in. circumference 5.50	
Tuberose, Pearl, 1st size, p. 1000 \$8.50 .90	
Tuberose, Pearl, 2d size, p. 1000 \$4.50 .50	
Gladiolus gand. mixed, p. 1000 \$7.50. .80	
25 at 100 rate.	
All other bulbs, etc., see catalogue.	

Shellroad Greenhouses, Grange, Baltimore, Md.

5000 CANNAS

LOUISIANA, beautiful dark red, orchid-flowering, strong roots, with 2 and 3 eyes, \$6.00 per 100; 200 for \$10.00.

20,000 DWARF BOXWOOD for borders.

10,000 MAHONIA AQUIFOLIA, 3 year old.

Also fine lot of small shrubs; a real occasion for landscape gardeners.

For particulars write to

THE CEDAR HILL GARDENS SEA CLIFF, L. I., N. Y.

dom to go slow unless you know what they are. Descriptions are often misleading, and the only way to find out is by experience. Take No. 1 for instance. A friend writes me, I intend to plant 5,000 plants of this, and by the way, I have not heard of any fault which this rose has. No. 2 on the list he thinks enough of to put in 2,000 plants. I saw this exhibited some time ago and remarked to a friend that the flowers did not look perfect. He thought that this rose would produce a large percentage of deformed flowers. Speaking to another man who had seen the flowers, and asking his opinion, he said the flowers looked as if they had been fumigated. Take No. 3, which I picked out for a winner; looking over a large place recently, I had pointed out to me two plants growing on the end of a bench, and was asked why they did not grow like the others which were a standard kind, and growing luxuriantly. I could not tell why; they all looked exactly alike, the chances were in favor of the two plants doing nothing; the answer was, "Those are No. 3." I said things then which I will not repeat here, for I had ordered a few of that kind. Take No. 4, condemned by several good growers. I asked one large grower what he thought of it, and he said, "I have ordered it and wish that I had not." The next man says, "Don't believe all he tells you."

I think that undoubtedly, when White Killarney comes on the market, if it proves to be a good shipper, it will be an acquisition, as it possesses the good growing qualities of its sister, Killarney.

In seeking information, after asking several questions of a friend, I finally asked him one, and I think that he truthfully replied, "That's what I am trying to find out;" so with us all. If I have helped anyone here with these few remarks, I am thankful, and hope to hear something from others of benefit to myself.

NEW CANNAS 1908

ROSEA GIGANTEA

This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2 1/2 inches across, color, a deep rich rose, almost a coral carnation. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. A great favorite with visitors to our trial grounds. Strong plants, \$2.00 each, prepaid, \$18.00 per doz. by express, not prepaid.

GLADIO-FLORA

Remarkable for the unusual shape of the flowers, which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap

NEW CANNAS OF SPECIAL MERIT

WILLIAM SAUNDERS

(1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze.

60 other Varieties. Send for list and prices

THE CONARD & JONES CO., West Grove, Pa.

each other thus that a very attractive appearance to the flowers. Color is cream, changing to carnation rose with an intense edge of gold to each petal. Height 3 1/2 feet. Fine, strong plants, \$2.00 each, prepaid, \$18.00 per doz. by express, not prepaid.

CANNA METEOR

Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich, each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all Summer through. Fine, plants of dormant roots, 75c. each, prepaid, \$6.00 per doz., by express, not prepaid.

Height, 3 1/2 to 4 feet. We believe that Wm. Saunders is decidedly the most perfect canna of this type that has been introduced. Those who tried Wm. Saunders in 1907 say it cannot be excelled. We offer plants only: 60c. each, prepaid; \$5.00 per doz., \$35.00 per 100, by express, not prepaid.

CANNAS

Special Prices to Close Surplus.

SIX VARIETIES AT \$1.00 PER 100, Allemania, Austria, Marechal Valliante, also three grand sorts, large-flowered, names lost.

SEVEN VARIETIES AT \$1.25 PER 100, Burbank, Felix Crouse, Mlle. Berat, Morning Star, Bronze King, Metallien, King of Bronzes.

TEN VARIETIES AT \$1.50 PER 100, Atlanta, Partenope, Pennsylvania, J. D. Cubes, Ex Crampbell, L. Patry, J. C. Vaughan, Queen of Holland, President Carnot, Musaeolia.

NOVELTIES: Eastern Beauty, \$2.00; K. Wallace, \$3.50 per 100; Indiana, Wyoming, Graf Waldersee, Hofgartner Hoppe, Chataqua, \$4.50 per 100; Queen of Beauty, \$2.00 per dozen; \$15.00 per 100. Our new seedling W. E. Cottrell, the best dark pink yet, 25c. each; \$2.50 per dozen; \$18.00 per 100.

Started plants of Cannas, started in sand, ready after April 15, same price as dormant roots; place your order now. A collection of 50 novelty CANNAS, all correctly labeled, started plants, for \$2.50.

Japanese Kudzu Vines, strong plants, \$1.00 per 100.

FRANK CUMMINGS BULB & PLANT CO., MERIDIAN, MASS.

IRIS PALLIDA DALMATICA

A beautiful shade of lavender; the largest and most beautiful of all the German Iris, perfectly hardy, and free-flowering; one of the good things almost lost to horticulture. \$12.00 per 100, \$100.00 per 1000. Cash with order.

J. A. PETERSON
McHenry Ave., Westwood, Cincinnati, O.

Anemone Japonica

5000 Alba \$5.00
3000 Rubra 5.00
2000 Whirlwind 5.00
3000 Phlox, Miss Lingard 5.00
10000 Funkia undulata varieg. 6.00

George J. Keller
723-727 Mt. Hope Ave., ROCHESTER, N.Y.

WHOLESALE TRADE LIST

Asparagus Sprengerii, 3 in. pots, \$4.00 per 100

Ampelopsis Veltchii, 1 year old plants, \$5.00 per 100, 2 year old plants, strong, \$10.00 per 100; \$1.50 per doz.

Ferne, Boston and Anna Foster, 4 1/2 in. pots \$2.00 per doz.

Geraniums, best commercial varieties, rooted Cuttings, \$2.00 per 100.

Ivy, hardy English, 4 in. pots, \$1.50 per doz., \$10.00 per 100.

Carnations, strong rooted cuttings. Write for list of varieties and prices.

Stock from 2 1/2 in. pots, \$3.00 per 100

Aggerum: Inimitable, Princess Pauline, Blue Perfection; Salvia: Zurich and Bonfire.

Heliotrope, dark blue and white.

Fuchsias, Elm City; Arsebella, Black Prince; Avalanche; Lord Beaconsfield; gracilis.

Lantanes, Swainsons alba, Geranium, Mrs. Parker, Umbrella Plants, Ferns for dishes.

Asparagus Sprengerii.

Rooted Cuttings, \$1.00 per 100.

Heliotrope, dark blue and white.

Fuchsias, four varieties: Feverfew, Little Gem.

Clematis, large flowering varieties, 2 year old plants, strong, purple, red and white, \$3.00 per doz.

Clematis, Paniculata, from 4 in. pots, \$1.50 per doz.; \$10.00 per 100; 3 in. pots, \$5.00 per 100.

Honeysuckle, Halleena and Red Trumpet, from 5 in. pots, \$1.50 per doz.; \$10.00 per 100.

Plants for Easter, in prime condition. Spiraea Gladstone, strong plants 6 in. pots full of flowering branches, \$3.00 per doz.; Hyacinths, first size bulbs, brightest colors, red, white, and blue, \$10.00 per 100.

Cash with order please.

C. EISELE, 11th & Westmoreland Sta., Philadelphia, Pa.

CANNAS

Two great gold medal cannas, King Humbert, 8c.; Wm. Kasting, 5c.; Brandywine, most magnificent bronze-leaved bedder, 3c. Egandale, 2 1/2c. Crimson Bedder, a superb canna, 2c. Fine dormant roots. Cash.

N. A. CORLIN, Elberon, N. J.

CANNAS

Fine stock, all good, 2 and 3 eye, 10,000 mixed Cannas, all green-leaved varieties, \$15.00 per 1000.

J. E. Sambrook Co., - Berlin, N. Y.

ROOTED CUTTINGS

Finest double FUCHSIAS, 75c. per 100; \$6.00 per 1000. Strong, stocky, 2 in., \$2.00 per 100.

New Double PLUTINAS, The Queen, a fine bloomer, flowers all; large white mingled with purple, nicely fringed, requires no staking, \$2.50 per 100.

SALVIA Zurich, new dwarf ever blooming variety, \$2.00 per 100. SALVIA Bonfire, 75c. per 100.

AGERATUMS, S. Gurney and P. Pauline, 50c. per 100; \$4.00 per 1000. Strong and in flower. Cash with order.

J. P. CANNATA, MT. FREEDOM, N. J.

Plant Notes.

SHOW POLARONIUMS.—Large, well-grown plants of show polaroniums make a striking display when in full bloom. Small and medium size plants, although as decorative subjects not so desirable as much larger specimens, are nevertheless very useful because of the bright effects they are capable of producing when numbers of them are made the most of possible. Cuttings of show polaroniums taken off plants that have bloomed and inserted singly in 2½ or 3-inch pots which had previously been filled with loam and old rotted manure, will root freely in a temperature of 60 degrees. When inserting the cuttings it will be well to put a little sand at the base of each. When the cuttings are rooted and proceed to grow freely the tops should be pinched. Later, when they have made further growth and filled their pots with roots, they should be shifted into pots at least two sizes larger; the soil at this stage should consist of loam and a small proportion of well rotted manure, with the addition of a sprinkling of bone meal. The potting should be done firmly. The plants should be given a light, airy situation close to the glass, in frames where in Summer the lights may be removed, but remain at hand to be put on again for the protection of the plants from chilly night air and cold rains. By early Fall, and perhaps before, the flower trusses will be noticeable in the points of the shoots, and a crop of bloom can be had from these early plants by placing them in heat near the glass in a light, airy position. These plants worked in this way may be made to yield a succession of flowers all through the Winter. When the stems of old plants have turned yellow cuttings should be taken off them for later bloom, and by this means have these beautiful plants flowering in succession all through the Winter and into the early Summer.

SWAINSONA GALEGIFOLIA ALBA is an exceedingly serviceable plant, but it is perhaps more emphatically so to retail florists. This plant thrives well in a moderately warm greenhouse. When grown in pots of any size or when planted out in benches, it flowers freely, even in small pots. The graceful and delicate green foliage of the swainsona along with and in contrast to the pure white flowers makes it very desirable for various florist uses. Cuttings may still be rooted and grown into serviceable plants before much of the Summer is gone. When the plants are in 3-inch pots they may be planted in frames outdoors, where with some little protection from high winds they will yield an abundant supply of flowers until cold weather sets in in the Fall.

BOUGAINVILLEAS are easily propagated and easily grown into very useful stock. They are not at all particular in regard to conditions of soil or temperature. They can be brought into bloom easily and without much preliminary preparation, such as is necessary in the cases of many things of less merit as far as satisfactory results are concerned. Bougainvillea cuttings may be struck in April from half-ripened wood. The wood should be cut up into 6-inch lengths, placed in sand over bottom heat and given a good watering; afterward frequent sprinkling or syringing will afford the necessary moisture. The cuttings should be shaded from the sun during the time of each day when its rays would injuriously affect them. The cuttings will under ordinary conditions have rooted in about three weeks, when they should be taken out of the sand and placed in small pots filled with good loam containing a liberal sprinkling of clear sand. After the first potting it will be well not to give them very much water at the root for a week, but instead, to syringe them twice daily, and protect them from the sun by some shading. When the young plants get established they grow and make roots rapidly, and should therefore be shifted just as frequently as the condition of the roots require it. They should be continually kept in full sunlight, regularly syringed and supplied with abundance of water, and in order that the roots may be always healthy plenty of drainage should be placed in the pots. Plants of every kind placed closely together on benches are benefited by occasionally turning them around, or, to admit every branch or member to get the advantage thereby afforded of light; this is especially the case with bougainvilleas, because of the necessity of having wood of sufficient substance and ripeness for flowering.

Good plants with well ripened wood can be had by the latter end of October; then by a gradual withholding of water they can be rested for a brief period and then started into growth for Winter bloom. The plants may be treated to rest in batches in order to have bloom continuously after a certain time.

STEPHANOTIS FLORIBUNDA.—Like many other beautiful flowering plants which have for years suffered more or less neglect, *Stephanotis floribunda* is now commencing to receive the recognition its merits deserve. This plant is not at all hard to grow, neither is it such a cumbersome addition to the interior of a greenhouse as seemed to be commonly supposed, even when grown in the way in which it thrives most satisfactorily; i. e., on a roof. Guided along on wires attached to a roof it does not obstruct the light greatly, because its characteristics of growth in foliage and stem are such that a great deal of space is not occupied by it.

Stephanotis thrives best when planted in a border and the growth trained along close to the glass, but it will grow and flower freely when planted in a bench, tub, or pot and the wood disposed of as circumstances in the case allow. The really exquisite odor and snowy whiteness of the flowers, along with their attractive shape and large size, will compensate for the labor necessary to produce them.

This plant is quite easily propagated by means of cuttings from last season's growth. When the cuttings are in course of preparation a clean cut should be made just below a pair of leaves, but these leaves should not be removed. Each cutting should then be inserted in a small pot containing sand and leaf mold, or sand and peat in equal proportions. The pots with the cuttings should be plunged in the sand in the propagating bench over a good bottom heat, well watered about the second or third day after they are put in, and kept shaded until they begin to root. A humid atmosphere will keep the cuttings from wilting during the day or two water is withheld. As soon as the pots are fairly well filled with roots a shift into larger pots will be necessary. A good compost at this stage will be one containing good fibrous loam two parts, one part coarse sand and one of charcoal, with the addition of a little bone meal. At all times when repotting the plants it will be well to supply the pots with ample drainage and make the newly added soil quite firm around that in which the roots are already. When the plants are in active growth, after being repotted the points should be pinched in order to induce the plants to push out a few shoots from near their base. Repotting and stopping, as growth warrants, should be continued all through the first Summer, but not later. The second year the plants may be repotted twice—in February and June or July. After the second year one repotting when growth begins in Spring will be sufficient, and then later, when they have increased enough in size, they will remain in a healthy condition indefinitely if given an annual topdressing with matter containing nutriment.

DRACAENAS.—In the early days of Spring young dracaenas make rapid growth, when in addition to the forces of nature they are helped along with the artificial heat in the greenhouses. I do not know of many other plants that respond so readily to the proper degree of bottom heat and a moist atmosphere as dracaenas do, nor do I know of many plants that fail so utterly as the finer colored dracaenas when subjected for an extended period while young to dry atmospheric conditions and a low temperature, especially when bottom heat is lacking.

Young dracaenas should be kept growing and given more pot room when their roots show the need of it until they have attained the stage when a larger size is undesirable for reasons of commercial policy. The plants should be syringed frequently, and to make the work as effective as possible it will be well so to manipulate that the force of the water will reach the foliage from underneath as well as over the top. An occasional sponging is without question of much benefit to the plants at all stages of their growth. D. M.

NEPHROLEPIS AMERPOHLI

PHILADELPHIA LACE FERN

\$12.00 per 100, \$100.00 per 1000. 5% off cash with order.

These are good strong plants that were potted November and December last.

We need the room and must move them.

Also a fine lot of 6½ inch pots at 75 cents each, 25 or more at 70 cents each.

This is the most talked about fern of the lot and has been awarded a great many honors, including a medal by the Royal Horticultural Society of London and the "Kiff Cup" by the Pennsylvania Horticultural Society for the most meritorious new plant introduced in 1907.

Equally as good as green for cut flowers or pot culture.

The stock here offered is in superb condition.

WILLIAM P. CRAIG, 1305 Filbert Street, Philadelphia, Pa.

FERNS

MY SPECIALTY

I have an immense stock of assorted ferns for jardinières, healthy and bushy, none better; in 15 of the best market varieties, including *Cyrtomium Falcatum*, *Aspidium Tsussemense*, *Pteris Wimsettii* and *Mayii*, in good proportion, from 2½ in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.

CENTER PLANTS (Exact Size)

Kentia Belmoreana, 2½ in., \$1.30 per doz., \$10.00 per 100.
Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Cuneatum, fine stock, 2½ in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Farleyense, 5 in., \$8.50 per doz., \$85.00 per 100.
Nephrolepis Scottii, 8 in., \$15.00 per doz., worth the double.
Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, SHORT HILLS, N. J.

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FERNS, Boston and Whitman, 6-in. pots, 50c. each. **AZALEAS**, red, white and variegated pink, \$1.00 to \$1.50 each. **COLTS' Verschaffelii** and **Golden Belder R. Cuttings**, 60c. per 100. **SALVIA Splendens** and **Bontre**, R. Cuttings, 50c. per 100. Write for special price on **Carnation Cuttings**.

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INDEX TO STOCK ADVERTISED

Index listing various types of plants and their prices. Categories include 'Nursery Stock', 'Orchids', 'Palms', 'Pansies', and 'Petunias'.

CARNATIONS

Table listing carnation varieties such as 'Ruffled Cutting', 'Elate Healthy', and 'READY NOW!' with their respective prices.

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Table listing chrysanthemum varieties like 'A. J. Balfour', 'Autumn Glory', and 'Ada Smoulding' with prices.

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Table listing asparagus varieties such as 'Sprengeri' and 'Plumose Nanus' with prices.

VERBENAS

Table listing verbena varieties like 'Best Mammoth' with prices.

WOOD BROTHERS, Fishkill, N. Y.

Contents

Table of contents listing various articles and topics such as 'American Rose Society Proceedings', 'Nursery Department (Illus.)', and 'Retailer's List'.

GERANIUMS

Table listing geranium varieties like 'Ruffled Cuttings', 'TREGO, CASTELLANE', and 'VIAUD, CHARLOTTE'.

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Text for OWN ROOTS section listing various rose varieties and their prices.

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Text for GERANIUMS section mentioning 'Heteranthe', 'Grant', and 'Nutt, strong'.

TAKE NOTICE

Text for TAKE NOTICE section mentioning 'CARNATIONS' and 'NEW YORK, Henry Nungesser'.

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THE NATIONAL FLOWER SHOW, under the auspices of the S. A. F. O. U., will be held at Chicago, November 6 to 15, 1908. William F. Kasting, Buffalo, N. Y., is chairman of the show committee.

Addresses Wanted.

We have on hand a check, dated February 25, 1908, for one dollar on the First National Bank, Mamaroneck, N. Y., signed by Mills & Co. Will the senders of the check kindly communicate with us and state the purpose to which the dollar is to be applied.

We should be pleased to be informed of the present address of A. L. Poundstone, formerly of San Francisco, Cal. He was last heard from in Oakland, Cal.

At the Spring show of the Massachusetts Horticultural Society last week, an expert gardener was in constant attendance to answer questions and furnish information to visitors concerning exhibits. This is an excellent plan, which should be put in operation at all flower shows. Too much indifference along this line has been exhibited in the past, to the disadvantage of all concerned. The seekers after information at our exhibitions are numerous and their requests for knowledge should certainly be satisfied as far as possible. Particularly should the representatives of the daily newspapers receive all consideration in this respect; in many instances these parties are completely ignored, with the result that their efforts as printed are often the subject of adverse criticism by the practical reader, for which flower show authorities and not the press men and women are solely responsible, on account of the inattention the latter receive. Our exhibitions will only reach their highest educational value when those in charge of such exhibitions see to it that the largest amount of a correct information concerning the subjects displayed is cheerfully, willingly and fully given to all who desire it.

The Rose Society's Membership.

In his address before the American Rose Society at its annual convention this week President Robert Simpson of Clifton, N. J., made the following frank statement: "Practically every grower of repute who has had his attention called to the aims and purposes of this organization has become a member of it; and if we give the matter a very little thought we will find that, with a few exceptions, the men who hold aloof are back numbers in the trade. You will find that the brainiest and most progressive men in the business to-day are members of the rose, carnation, chrysanthemum or some other society devoted to their speciality."

There is a good deal of truth in what President Simpson says, but it would be unfortunate for the trade itself, we think, if all the men who hold aloof from becoming members of the special societies were "back numbers." Secretary Hammond's report states that the total annual membership of the Rose Society is 110, the life membership 50 and the associate membership 10. It will thus be seen that a very large number of the rose growers of America are still outside the pale of the American Rose Society. Very many of these men, we venture to remark, are not "back numbers" in the trade; but, unfortunately, they have evidently not seen the advantage of affiliating themselves with what can safely be called the most progressive men in the rose business, and at the same time supporting the society, from the work of which they share in common with those who are accomplishing that work. Any society devoted to the advancement of any branch of horticulture must first demonstrate to those engaged in that particular branch of the business its helpfulness to them, and conclusively its *raison d'être*, before they are likely to become interested in it. We think the American Rose Society has done all this very decidedly, and it is certainly much to be regretted that a large majority of the men engaged in rose growing in America still refrain from joining its ranks. However, we do not think that the words of the president uttered at Chicago are calculated to win new members, but rather to antagonize those who are still outside the fold. His remarks must not be taken altogether in their literal sense, as, no doubt, on reconsideration Mr. Simpson would modify his characterization, which was undoubtedly made in the heat of enthusiasm for the society, of which he has been the honored and able head for the past two years.

We are glad to note that the Rose Society has decided to join the Horticultural Society of New York in giving a show of roses in June of this year at the Bronx Park, New York City, at which certificates, bronze and silver medals for new varieties only will be given by the American Rose Society. Every effort should be made to bring out an extensive exhibition of garden roses at that time, and the nurserymen should aid the Rose Society and the local organization in effecting this. As we have pointed out on several occasions, the American Rose Society can only look most largely for increased membership from the ranks of the amateur rose growers. The association has been long enough in existence now, we believe, to test the interest of the commercial men, both in itself and in its operations. We are, therefore, pleased to observe that Mr. Simpson in his address is in favor of opening wide the door of the society and "seeking the co-operation of every man and woman in this broad land who has roses in his heart and in his garden." To this end, both as regards augmentation of membership and helping toward a complete and representative exhibition of garden roses, the nurserymen could render great assistance, and we hope to see this done. We understand that several very instructive lectures will be delivered in connection with the June exhibition, and if the weather is at all favorable and the necessary effort put forth, there is no reason why a magnificent show of garden roses should not be forthcoming.

In this week's issue we present a partial report of the proceedings of the American Rose Society, as well as of the exhibition at Chicago at which some good work was done and very informative papers submitted. The report will be continued in our next number.

PUBLICATIONS RECEIVED.

TWENTY-FIFTH ANNUAL REPORT OF BOARD OF PARK COMMISSIONERS, Minneapolis, Minn.—An interesting, well printed and handsomely illustrated publication. In the report of President Northrup special reference is made to the extensive rose gardens now building at Lyndale Park, as "marking our first ambitious effort in floriculture." The president also alludes to the meeting of the American Association of Park Superintendents which is to be held in Minneapolis in August of this year. "Probably this organization as represented by its different members, contributes more largely, in the fruits of its labors, to the health and happiness of their fellows, than any other body of men who assemble to promote the interest of their craft." Mr. Northrup also pays the following high tribute to Theodore Wirth: "Of Superintendent Wirth it is impossible to speak too highly; his energy is unbounded, and his work stamps him as one of the foremost park superintendents of this or any other country."

An American Critic on American Roses

Two new (?) roses, named after prominent American ladies, the Mrs. Potter Palmer and Mrs. Marshall Field. It is a pity our growers did not wait until they had really good American kinds to name after American ladies, for the first is simply a color sport from Mme. Abel Chateau, and precisely similar in every respect, while the other is an European variety, picked out from a number of others that reached this side without label or history. But these names have only been bestowed by market growers, and as real American rosarians, such as Mr. E. G. Hill of Richmond, Mr. John Cook of Baltimore, and others are working along legitimate lines, there are great hopes that this re-naming of old roses—so long a feature—will cease.—American Notes in Gardeners' Chronicle, London, Eng., March 14, 1908.

The foregoing article, which is unsigned, appears, as stated, in the Gardeners' Chronicle, London, England, issue of March 14, 1908. It is unfortunate, we think, that the critic did not, in this case, verify his statements before publication; and, in any event, his hyper-criticism is hardly worth notice, save to enlighten him on a few points whereof he appears to be ignorant.

His insinuation is, that both Mrs. Potter Palmer and Mrs. Marshall Field roses have been "renamed"; and are unworthy of the titles that have been bestowed upon them. He is, of course, quite entitled to his opinion as regards the latter phase of the subject; but it is another matter when he unjustly maligns two prominent American firms by accusing them of "renaming old roses."

Granted for the sake of argument (we are unfamiliar with the history) that Mrs. Potter Palmer "is simply a color sport from Mme. Abel Chateau," is it anything unusual to bestow new names on such sports? For instance, Bride and Bridesmaid are color sports of Catherine Mermet; Mrs. Oliver Ames and Mrs. Pierpont Morgan, color sports of Mme. Cusin, and no exception, so far as we know, has ever been taken to the naming of these varieties as such. There are other similar cases that could be cited, but the foregoing will suffice.

With respect to Mrs. Marshall Field, our information is that this variety is the result of a cross between Mme. Abel Chateau and Mme. Caroline Testout, effected in the United States. The critic's statement that this rose is "an European variety, picked out from a number of others that reached this side without label or history," is one, we think, that requires some corroborative proof before it will be accepted by American rosarians, and in justice to the originator of this rose it is to be hoped that such proof will be forthcoming.



W. H. Spooner.

William Heath Spooner, one of the oldest horticulturists in the vicinity of Boston, Mass., died at the Emerson hospital, Jamaica Plain, on Saturday, March 21, 1908, where he was taken to undergo an operation for intestinal trouble. He failed to come out of the other after the operation.

Mr. Spooner was born in Jamaica Plain, Mass., April 2, 1823. His early life was spent on his grandfather's farm, or perhaps more properly a market garden. At the age of seventeen he went to New York City, where he was employed in the wholesale iron and nail business; the close confinement impaired his health so much that at the end of two years he returned to Jamaica Plain, and when his health was renewed, started in the nursery business in which he had since continued. He was for many years a famous rose grower. Garden roses were his specialty and he was one of the first to import varieties extensively into this country and publish a catalogue of the same. He had been an active member of the Massachusetts Horticultural Society, since 1855, was president of the society for two years, 1889 and 1890, had been a member of the board of trustees, served on many of the committees, and only last week he presided at the lecture meeting. He was for several years delegate to the State Board of Agriculture.

Mr. Spooner was a representative in the State Legislature for 1881-5 of the ward in which he lives, was a member of the Committee on Agriculture and House Chairman of that committee in 1885. He was one of the best known men about Horticultural Hall, and was much loved by all who came in contact with him. He is survived by a widow and one daughter, Mrs. B. Bettee of Concord, Mass. Funeral services were held Tuesday afternoon at his late residence, the body being cremated at Forest Hills.

J. W. D.

E. D. Darlington.

At the moment of going to press we hear with profound regret of the death of E. D. Darlington, superintendent of the Fordhook Seed Farms of W. Atlee Burpee & Company, Philadelphia, Pa., which occurred Thursday morning, March 26, 1908, of pneumonia.

March 28, 1908

OUR READERS' VIEWS

The Brazilian Melon Fruit.

Editor Florists' Exchange:

In your issue of February 8, P. B. told us about his "melon fruit" and said he would send me a plant; I should be pleased to have one. By his description, I saw at once it was not the plant the description of which I sent you, which was cut from a catalogue for the year 1897 and which you published in the issue of January 25, 1908. P. D. Barnhart tells of his experience in the number for March 7. It is about the same as my own, although the plant never fruited with me.

Now I must try once more to set P. B. of New York right on the name of his plant. I am inclined to think it is the pawpaw; not the pawpaw of the Western and Southern States, which is a hardwooded deciduous tree (*Asimina triloba*), but the tropical pawpaw (*Carica Papaya*).

With this I am sending you clippings from catalogues that describe, as I understand it, the same plant, although worded a little differently.

Conn. NEWTON J. PECK.

The description of the plant now sent by Mr. Peck is as under:

Carica papaya. Papaw. (Spanish-Papaya.) A magnificent plant, after the style of the well-known castor-bean, having 7-lobed leaves, palmate and terminal like a palm. This plant is dioecious, and it is impossible to select the female from the male seedlings until they bloom. The fruit is from 6 to 12 inches long and 4 or more inches thick, somewhat like a muskmelon. The juice of the fruit, or the macerated leaves, if rubbed on animal flesh, makes it very tender.

The Use of Old Soil.

Editor Florists' Exchange.

In the March 14 number of *The Florists' Exchange*, under the heading of "Club and Society Doings," I note what Patrick O'Mara says about using soil more than one year in the benches. It is just as he says in regard to the soil costing so much.

I have used the soil in one of my houses six years. I have not put one ounce of new earth in with the old, and am cutting Queen Louise carnations to-day with stems 30 inches in length and blooms 3 to 3½ inches in diameter.

The first year's crop was violets; the second year, White Cloud carnation; third year, Queen Louise carnation; fourth year, Boston Market carnation; fifth year, a crop of mignonette and the spikes had stems three feet in length and as thick as one's thumb; the sixth year, that is, now, I have as stated, a crop of Queen Louise carnation and they are very fine. So I don't think the soil has to be changed every year. As to the eel worm, I would say we were never troubled with it.

I think I will let the soil remain in the bed another year, just to see if it will produce good blooms. I never have sterilized the soil.

Poughkeepsie, N. Y. A. RELYEA'S SON.

Dahlla Classification.

Editor Florists' Exchange.

In your issue of March 7, 1908, I notice an article from my friend Nathan A. Miller on the above subject, followed by an editorial note stating that the work of classifying the dahlia was now receiving the attention of the New England Dahlia Society.

In my judgment there should not only be a better classification as to forms and types, but also in the published color descriptions. In common with others I realize that it will be extremely difficult to form rules sufficiently descriptive and at the same time sufficiently elastic to cover all. Nature is not limited in the forms she produces; in fact, forms in the dahlia family are almost as varied as are the tints and colors.

Mr. Miller is quite correct when he states that there will of necessity be more or less overlapping of types. The cactus type will be the hardest to classify properly, as it is so nearly related to the decorative type. Among those justly classed as cactus there are varied forms, some with petals long and very narrow, others with petals broad and yet well pointed, and still others with irregular and curved or twisted petals.

The cactus dahlia is not a separate species as some suppose, but a garden variety, and as such contains a mixture of inherited qualities from several types in modified forms.

So I say it will be difficult to suggest to the average mind in a word all these varied forms. An accurate description as to petal formation is always helpful. Names of types should be suggestive of something well understood. It is to be regretted that the new type lately introduced as "peony-flowered" should have been so named, as the appellation is not descriptive. The blooms do not resemble a peony in the least, unless we are to take the semi-double peony as the standard. To most minds the word "peony-flowered" would suggest a large, fully double symmetrical bloom.

In my judgment no fixed rules should be adopted until published for criticism, with the view of crystallizing public opinion, or the work may be to still further confuse. Of classes or types we already have sufficient to confuse the average buyer.

As to Mr. Miller's suggestion to shorten the number of varieties listed, no argument should be necessary, as the tediously long lists have long since passed the point of being absurd. If we could get no new varieties there might be some excuse for holding on to those we have, or, at least, exercising care in discarding; but such is not the case. New varieties are coming by the score and some of them are really good—and improvements over existing kinds. We now have some 1,500 to 2,000 named varieties; no wonder that stocks and names are so often mixed!

A list of one hundred to one hundred and fifty is amply long to contain all there is of real merit and for all practical purposes, and by far too long for any one garden, as there would be duplicates in both color and form.

Denver, Col.

W. W. WILMORE.

Reflections on Current Topics.

MR. EDITOR.—My thanks are hereby extended to the Ladies' Society of Florists, who through its president and secretary, acknowledged, in a recent issue, my humble efforts in its behalf. It is always a pleasure to me to be of service to the women folk. The advice of the society's officers, that all of the lady members present at the Carnation Society's convention at Washington wear the emblem of the order, displayed, in my opinion, lots of common sense. There is nothing that will draw the attention of the public to a fine body of men, or women, so readily as emblems. And this reminds me that the carnationist delegates to the White House all seem to have been adorned with the badge of the association; how fitting was such a movement, and what a fine appearance they make in that group picture! But where was John Birnie at the time the photograph was taken? I read of the sage having been at Washington, but, evidently, he is too shy and modest either to be seen or heard on public occasions! Pity such a brilliant light should be hid under a bushel—or something else.

Reverting to badges, why has the Carnation Society done away with its little tin (I think it was) emblem? Perhaps the officers are of the same opinion as our old friend John Thorpe, that a tailor does not wear shears on his lapel to proclaim his profession, neither should the gardener affect a gardenia for a similar purpose! Well, the tailor is generally a dapper elf, whose own tozzery "makes the man," and advertises his business; but some distinguishing feature is surely necessary to signalize the ornamental horticulturist. Why not, then, wear flowers on each and every occasion when the craftsmen gather in convention?

Since the foregoing was written I observe that Birnie's light has been shining at the meeting of the New York Florists' Club, where he dilated on soils for carnations, adding that some of the compost used by him contained the non-decomposed hairs of dead dogs. When it comes to the "hairs of dogs" Birnie may, I reckon, be taken as an authority. They seem to be as good for carnations as they are for carnation growers in the "cold gray dawn of the morning after." Clavey soil, containing nigger bones, is, according to Birnie, suitable for the growth of the divine flower. I wonder how the plant would act in an abandoned Scotch cemetery! I guess there would be too much disturbance of the roots there, brought about by an excess of lime created by a superabundance of oatmeal consumed during the lifetime of the departed Scots—the ruling passion for stirring up things, being "bred in the bone," persisting even below ground, as it were.

It must be amusing to others, as it is to me, to read the statements of the various trade papers, each one of which claims to be the "best ever." These claims have been made so often that the claimants no doubt have actually come to believe them themselves. Funnier still are the testimonials supplied by "admirers" of the different journals, and it occasionally happens that the same admirer sends the same laudatory epistle to every one of the trade papers published. This, of course, dis-

counts considerably the value of such "hoost," which, after all, don't amount to much, being only the views of the individuals "hoosting." I have often thought that adverse criticism is more beneficial, though perhaps less encouraging, than wholesale fulsome laudation, and I recently came across a paragraph that seems to substantiate my view on the matter. It was as follows:

"Sugar is fattening, but it is not a tonic. Mere or sheer praise is agreeable, but it is not enlightening. Critics are often better advisers than friends, especially than interested friends. The inspired writer who told unspiced rulers to beware when all men speak well of them, could have said newspapers quite as well as men, had there been newspapers in his day. Indeed, the Scripture distinguishes friends from flatterers, when it declares 'faithful are the wounds of a friend,' such a friend as Nathan was to David, for instance, or as Paul was to Peter, when he withstood him to his face, on the considerable question of whether the Gentiles should have the gospel preached also and equally unto them as well as the Israelites."

I have been "wounded" so often that I know, from experience, the beneficial effects of the stabs.

In common with all horticulturists, ornamental and others, I am always interested in what that talented craftsman, Robert Craig of Philadelphia, has to say. His essay on "The Private Gardener," recently read before the Massachusetts Horticultural Society was a "gem of purest ray serene." I am pleased to observe that Mr. Craig, like myself, is a lover of the classics; this is shown by the many quotations therefrom interspersed throughout his admirable paper. I think, however, he misquotes Emerson, when he attributes to that sage the remark: "If you make shoes better than anyone else you will find a path beaten to your cottage door." If I mistake not, Emerson cited the more humble but none the less useful article, the mousetrap, and not shoes. Of course, Emerson assumed that the maker had advertised his article in a paper having the "largest circulation." However that may be, the application of the saying is apt, only I like correct quotation above everything else; it detracts from one's demonstrated erudition to misquote.

Another matter in which Mr. Craig errs is the parentage of the carnation Mrs. Thomas W. Lawson. This variety was obtained from crossing Daybreak and Van Leeuwen, not Tidal Wave, as he mentions, although the latter was probably one of the parents of Van Leeuwen.

Mr. Craig very wisely recommends good reading to the gardener; but from the suggested list of books he gives he seems to be of Goldsmith's opinion, who said: "I love old times, old friends, old books, old songs, old wine, everything that is old." Most of the books named by Mr. Craig are ancient, and can hardly be considered up-to-date. For instance, Hunt's "How to Grow Cut Flowers," Downing's "Fruits and Fruit Trees," though good in their day, have surely been superseded by "Scott's Manual" for the cut flower grower, and the several works on fruits and fruit trees that have appeared subsequent to Downing. Modern literature, for practical purposes, is mostly to be preferred to ancient writings.

Mr. Craig and myself are at one in being fond of Fra Elbertus. That philosopher furnishes much "food for thought" always, and I am glad Mr. Craig gave quite a quantity of the nourishment for the gardener to digest.

There are a few points which I looked for in vain in Mr. Craig's paper. One of these is the relationship of the private gardener to national and other horticultural societies, particularly to the S. A. F. Pity, it seems to me, he did not take up this theme. Then again, the subject of "gardeners' graft" would have been an interesting one, no doubt.

As regards Mr. Craig's quoted warning: "Folks who never do more than they are paid for, never get paid for more than they do," and the supplemental advice of the other Mr. Craig (W. N.): "His (the gardener's) course should be to think more about the character of his work than the amount of his pay" are all right in theory, but like other fine words that "butter no parsnips" won't work out in practice. I like better the Biblical saw: "The laborer is worthy of his hire." It is more practical and better suits modern and especially American ideas. Mr. Craig omitted to mention one way whereby the gardener could add to his meager income, viz., to become a constant contributor, for pay, to the trade papers. This side line might enable him to think less about what his actual employer pays him, and "more about the character of his work," but the "real reward" that both master and man are looking for in this hard, work-a-day world is dollars and cents, their equivalent in service on the one hand, and the genuine article on the other; and each is trying to get as much out of the other, both as to service and remuneration thereof, as he possibly can. "The more you do, the more you are able to do," is an excellent aphorism, but what's the use of doing, if somebody else only is reaping the benefit from your endeavor? That is something that puzzles

Jon.

The present issue of *The Florists' Exchange* affords, we think, abundant evidence of the confidence in such conditions entertained by our advertisers. We desire the attention of our readers to the various offerings presented, and desire to express our appreciation of this further very tangible proof of the faith of our vendors in the business bringing qualities of our journal.



AMERICAN ROSE SOCIETY

ANNUAL MEETING AND EXHIBITION
AT CHICAGO, ILLINOIS

March 25, 26 and 27, 1908

BUFFALO, N. Y., CHOSEN AS NEXT MEETING PLACE.

Officers elected: President, August F. Poehlmann, Morton Grove, Ill.; Vice-President, William F. Kasting, Buffalo, N. Y.; Secretary, Benjamin Hammond, and Treasurer, Harry O. May, both re-elected.

Beautiful Spring weather ushered in the opening day of the exhibition and convention of the American Rose Society on Wednesday, March 25, 1908, and the broad steps of the Art Institute in Chicago, where the show and meetings were held, early showed a sprinkling of visitors and others all interested in the exhibition. Blackstone Hall in the Art Institute was utilized for the exhibits, and proved to be more than ordinarily well adapted to the purpose. Usually the hall is used for the display of statuary and noted pieces of sculpture and architecture, but the Institute management had early cleared the hall of everything portable, and a wide area was speedily available for the displays of roses. Staging was rapidly proceeded with and by 2 o'clock the immense hall had the semblance of the grand show to be opened at five o'clock.

Those present at the exhibition in Washington last year decided that the show this year in point of number of exhibits eclipsed the Washington exhibition fully 100 per cent. While there were the usual vacancies in various classes, certain of the well-filled classes showed a spirit of competition which was certainly East against West, and the division of honors was at times a difficult task for the judges.

Several novelties were shown, which attracted considerable attention. Rhea Reid, Wyndmoor, Mrs. Jardine, and Kate Moulton were all seen to advantage, and figured in the prize list. The judges had a hard task before them and it was late in the evening before the blue and red tags were affixed to the entry cards.

The exhibition opened at 5 o'clock without ceremony, and long before the judges had completed their work. A first-class orchestra furnished music and until the close of the evening there seemed to be no lack of visitors.

Wednesday Evening Session.

President Robert Simpson called the meeting to order at 8:30 p. m. Without the usual addresses of a local character, the meeting proceeded at once to business.

The president read his address as follows:

President's Address.

Another year has rolled around and we again meet in our annual convention to look and talk over the work of the year that is past, and to plan the policy and work of the society in the future.

The Washington Meeting.

Last year we met in the capital of our country and many of us felt honored by having the privilege of taking the hand of the President of the United States in ours and receiving his kindly greeting and good wishes for ourselves, and noting his appreciation of the work being done by the Rose Society and many of the individual members. It was said by many of our members that the Washington meeting was in many respects more enthusiastic, and gave promise of larger permanent results than any of its predecessors.

This year, through the generous invitation of the Chicago Florists' Club, the American Rose Society plants its banner in the city of Chicago, the great and magic city of the West, where more roses are produced under glass, and distributed from this point over a larger area, than perhaps can be said of any other center in the country, not even excepting the city of New York. It seems, therefore, eminently fitting that this society should honor this city and this rose growing center by holding its exhibition and convention here this year.

Many of you have seen the splendid exhibitions given in the city of Chicago in the past and have felt certain that the rose exhibition this year would be a distinct advance over anything hitherto attempted or seen in this city of big things.

Appreciation of Chicago Endeavors.

I wish most heartily to express my appreciation of the work done by the Chicago Florists' Club and the rose show committee appointed by the club to secure special premiums and arrange the many details incident to an undertaking of this kind. When we remember that the local florists have on their hands and minds the National Flower Show to be given here next November, and that they will have to give much of their time and means to put it through in a manner befitting the occasion, and the scope of the undertaking, we are constrained to take off our hats to the men who have secured such an array of special premiums as our list shows, and have made possible such a splendid exhibition as we have seen to-day.

The meeting of our society here in this Western center, for the first time in its history, is a good augury for the future of the society. I am very sure; we shall miss a good many faces here that have become familiar through meeting them so frequently at the annual gatherings in the East, but we are to make new friends that will join with the old in making this society a tower of strength, and make it truly national in scope and character as well as in name.

The Society's Aims.

In seeking to make recruits to our organization one frequently hears the remark, "What is the use of having so many societies anyway, and what benefit would it be to me if I should join the American Rose Society?" The only answer that I can give is, that practically every grower of repute who has had his attention called to the aims and purposes of this organization has become a member of it, and if we give the matter a very little thought we will find that, with a very few exceptions, the men who hold aloof are lack numbers in the trade. You will find that the brainiest and most progressive men in the business to-day are members of the rose, the carnation, the chrysanthemum, or some other society devoted to their specialty. An orchid society is now being projected as a necessary adjunct to the orchid business. Read the printed matter on the back of the Rose Society's letter paper and you will find its aim is "To increase the general interest in the cultivation and to improve the standard of excellence of the rose for all the people." "To foster, stimulate and increase the production in every possible way of improved varieties of the rose suitable to our American climate and requirements." A very noble aim this, surely, and one that should naturally inure to the benefit of every man engaged in the growing or selling of roses for a living. The annual exhibitions, affording as they do to raisers of new roses the very best opportunity of getting their novelties before a critical tribunal, and the opportunity offered the searchers for novelties to see these and judge of their merit, is a very important feature of the work of such societies, and the man who follows up these exhibitions and has the judgment to discern the good and bad points of both new and old varieties, and will gauge his planting accordingly, discarding the varieties that have become old and common and giving space to newer sorts of undoubted merit, is the man who will have money to build more greenhouses and buy automobiles.

Very few of the visitors to the Washington or Boston exhibition returned home without receiving inspiration to strive for a higher grade of flowers as the product of his skill, with the feeling of satisfaction with his calling, and with a determination to add dignity to it, and to make his business stand for something in the community.

The Rose Society certainly claims a share in the good work of making conditions more favorable for the rose grower of to-day. What has been done up to the present, however, is as nothing compared to the work that lies before it, when, with increased membership and available funds it is in a position to disseminate knowledge that will enable lovers of the rose, and that includes practically every citizen of this country, to plant varieties, and cultivate them in such a way as to give joy and satisfaction to the planter. There will then be sold by the nurseryman and florist for outdoor planting more roses than we can at present conceive of, and the prophecy will be fulfilled, "The desert place shall rejoice and blossom as the rose."

Secretary's Able Work.

More has been done during the term of our present secretary to put the society upon a sound and permanent basis, and to present its claims and benefits to the florists of the entire country, and to many who do not grow roses for a living than most of you are aware of; the volume of correspondence and the amount of clerical work done would stagger most of us, if it should be put upon us, and he certainly deserves the thanks of every member of this body for his painstaking work, done entirely for love of the good cause, and refusing any pecuniary compensation therefor.

During the past year the expenses have been out of proportion to the income, the officers having advanced money to meet obligations and carry on the work, trusting to the receipts of this meeting to balance accounts; failing in this I suggest that a few friends of the so-

ciety meet here in Chicago, and together lift the treasury out of its awkward predicament.

Certificates for new varieties authorized at our last meeting, and life membership certificates have been provided at considerable expense, but we think to the credit of the society.

The Rose Journal.

A resolution was favorably received at the Washington meeting requesting the executive committee to consider the proposition of establishing a Rose Journal. This matter has received considerable thought and discussion during the year at the hands of the committee, and the secretary was authorized to go ahead and issue a prospectus, which has been sent out broadcast and has been commented on very favorably. The secretary will present to you a fuller report on this proposition; I would ask for your careful and thoughtful consideration. If the members will support it in sufficient numbers it can be put through, otherwise it must be dropped.

An Exhibition of Outdoor Roses.

A committee was appointed to confer with the American Association of Nurserymen relative to the holding of an exhibition of outdoor roses in June, under the joint auspices of the two organizations. Mr. Hill, as chairman, will report on the work of this committee. Through the good offices of our ex-president, Mr. Newbold, an invitation has been extended to the American Rose Society by the Horticultural Society of New York City to hold a June show this year in Bronx Park, New York City, the latter society to furnish the money and take care of all the details, and our society to offer certificates, medals, etc., and assist in arranging the schedule. The offer was accepted and the exhibition is assured, but the executive committee of the Rose Society authorized the offering of certificates, bronze and silver medals for new varieties only.

It is the wish and desire of the members of the committee that the nurserymen, and all others who grow outdoor roses extensively will keep this exhibition in mind and arrange to make extensive displays of roses in Bronx Park next June.

The educational features of such an exhibition that is free to all should be very great, and as an advertising medium it is not to be despised.

The Present Program.

In arranging the program for this meeting the commercial rose grower has perhaps been brought to the front more than the amateur, which probably is as it should be at the present stage, but it will not do at all I think to allow this society, now or in the future, to drift into a trade organization and have its work restricted to the holding of exhibitions and exploiting of new varieties; that would be praiseworthy work, but it can do that and a great deal more by opening wide its doors, and seeking the co-operation of every man and woman in this broad land who has roses in his heart or in his garden. We should have in our ranks every authority on roses in the country, and the secretary should have a list of these authorities to whom he could refer questions that are too difficult for him to handle.

Finally, gentlemen, let us take a wide outlook; let us be broad in our views, and in our discussions at this meeting let us be considerate of each other's feelings, remembering that we have but one object in view, the placing of the rose on the pedestal where she rightfully belongs, and the ennobling of our calling and profession.

Secretary Hammond then read his report as follows:

Secretary's Report.

The secretary first and foremost desires to acknowledge publicly the value of the service rendered by the four trade papers, American Florist, Florists' Exchange, Florists' Review and Horticulture—named in order of their age, for the courteous consideration which one and all have given to matters pertaining to the American Rose Society. It has been the effort of your secretary to get as much publicity as we could, because this society was founded with the idea of its becoming an extensive popular association to spread the love of the beautiful rose among the people.

Another important fact is that the work of co-operation and patronage incumbent upon a national society cannot be done unless the society is provided with the revenue, and the revenue depends upon membership. The American Rose Society should be able to patronize local societies by the offering of its medals freely; but all this takes revenue. The life membership fund gradually increases, this affords a revenue of 4 per cent on the investment per annum, and the fund is now close to \$3,000. Our life membership stands at 59; the annual membership paid for the year 1907 was 119, the associate membership was 19.

The money awarded by the society at its last show reached the sum of \$509 for stated premiums, besides the specials.

The bulletin of the annual meeting, which was begun under Secretary W. J. Stewart's term of office,

has been continued and 600 were issued last year. These books seem to be highly appreciated, secretaries of kindred societies a king for them, in various instances. To get out these books nearly entail considerable expense, and part of this cost was met by soliciting a half or a full page advertisement, to 60 letters sent out, favorable replies came back from twelve persons.

At the Washington meeting last March the advisability of issuing a certificate of merit for new roses which did not reach the score required for such novelties to win a society medal, was discussed and recommended. The executive committee, acting upon that recommendation, prepared such certificates and issued seven. E. G. Hill Company, Richmond, Ind., for Rhea Red, F. H. Krueger, Washington, D. C., for Queen Beatrice, Myers & Sautman, Wyndmoor, Pa., for Wyndmoor; M. H. Walsh, Woods Hole, Mass., for Paradise, La. F. Pinna, Delight and Juanita. This recognition seemed to please everyone.

Up to last year there had not been any certificate of life membership nor any society seal. A handsome certificate was made, a special seal prepared and adopted, and 54 of these life certificates have been issued to persons who have paid \$50, which is the amount that is creating the permanent fund of the society. The certificate was sent to the families of deceased members.

The American Rose Society has been invited to hold a June show in the Botanical Garden in Bronx Park in New York City in connection with the New York Horticultural Society. Ex-President Frederick R. Newbold attended one of the executive committee meetings, formally extended the invitation, and the same was duly accepted.

The executive committee held five meetings in New York City; these meetings were always attended by some from a distance and such members as were not personally present invariably reported by letter.

Early in the year Vice-President Philip Breitmeyer of Detroit set the pace for a fine special premium list, seconded by Arthur T. Boddington of New York, which, under the fostering care of Messrs. Pochmann, Asmus and others of Chicago, swelled to very satisfactory dimensions.

At the last annual meeting a "Rose Journal" was a topic which grew out of the question propounded by President Simpson: "How to increase the interest and thus the membership." The secretary assumed the responsibility of issuing a prospectus and of mailing the same to all the present membership. The details of the results will be taken up more fully separately.

The record of the year shows that after nine years the American Rose Society lives; it has crossed the Alleghenies, Born in Atlantic City on the ocean shore, holding its earliest exhibition in the Metropolis of America, going to the Garden City of Pennsylvania, then to the scholarly city of Boston, from there to the capital of the Nation, welcomed by President Roosevelt, then accepting the cordial invitation from Chicago. Here we are in this Imperial City of the West, with such a show before our eyes as maketh the heart glad, and our motto is "A Rose for every Home; a Bush for every Garden"; and this if carried out means beauty and grace in the homes of all the people.

BENJAMIN HAMMOND, Secretary.

In the absence of Treasurer Harry O. May, his report was read by E. G. Hill, of which the subjoined is an abstract.

Treasurer's Report.

For year ending March 20, 1908:
Total cash received on general account \$1,330.02
Total disbursements 1,077.97

To balance on hand, \$252.05

In addition to above general account seven new life members have joined the society, making a total of 55 life members to date.

HARRY O. MAY,

Treasurer.

Certain loans appearing in the report were questioned as seeming inadvisable when the society had a balance of \$300 or more. Secretary Hammond explained that when a settlement was sought after the Washington meeting there was not enough money to pay the prize list, hence the loans. Considerable discussion followed, bearing on the question of premiums, and on motion of W. A. Manda the matter was left to the executive committee to report at the next meeting as to the advisability of substituting certificates and medals for money prizes.

J. A. Valentine, Denver, Colo., then read a paper on "Roses in Colorado."

This was followed by W. A. Manda, of South Orange, N. J., with an address on "Rose Gardens," which was discussed.

The next item adjournment, resuming at 10 a. m. Thursday.

The Awards.

Teas and Hybrid Teas—25 Blooms.

Mrs. Abel Chubb, First, Roby Simpson, Clinton, N. J.; Second, A. Farnwald, Hillside, Pa.; Richmond, Second, W. H. Elliott, Brighton, Mass.; Any other named disseminated, First, W. H. Elliott, with Satrape.

Twelve Cut Blooms.

Bride, First, W. G. Bockel, Clifton, N. J.; Ivory, First, J. F. Ammann, Edwardsville, Ill.; Killarney, Second, J. F. Ammann; Richmond, First, J. F. Ammann; Uncle John, Second, J. F. Ammann.

Special Prizes.

Fifty American Beauty (the American Rose Society's prize), Myers & Sautman, Chestnut Hill, Pa.

Display of cut roses, all varieties (the Dorrance Challenge prize, \$250), Pochmann Brothers Company, Morton Grove, Ill., with nine varieties.

One hundred Richmond, E. G. Hill Company prize of \$50 in gold, Pochmann Brothers Company.

Fifty blooms of any variety of American origin now in commerce, Montgomery silver cup, \$25, A. Farnwald, Hillside, Pa.

Largest and most varied collection of cut roses, Manda cup of \$25 in gold, E. G. Hill Company, Richmond, Ind.

One hundred Killarney, President Simpson's prize of \$50, W. H. Elliott, Brighton, Mass.

Fifty Killarney, Dungee & Conard Company prize of \$25, W. H. Elliott.

Fifty Bride, Bentner prize of \$25, Bassett & Washburn, Chicago.

Fifty Liberty, Davis Company prize of \$25, A. Farnwald, Hillside, Pa.

Fifty Ivory, Wilcox prize of \$25, Peter Reinberg, Chicago.

One hundred blooms, best pink roses in the show, any variety, Pochmann Brothers Company prize of \$50—Won by that firm with Killarney.

Fifty blooms red roses (Richmond and American Beauty excluded), Pochmann prize of \$25, E. G. Hill Company, with Rhea Red.

One hundred Uncle John, Wistor Brothers' prize of \$25, Peter Reinberg.

Fifty American Beauty, Mogg Coal Company prize of \$50—Myers & Sautman, Chestnut Hill, Pa.

Twenty-five Bridesmaid exhibited by growers with less than 50,000 square feet of glass, Bassett & Washburn prize of \$25, Albert Lies, Niles Center, Ill.

Twenty-five Bride, under same conditions as the foregoing, Bassett & Washburn prize of \$25, Albert Lies, Niles Center, Ill.

One hundred Mrs. Potter Palmer, S. Freeman & Sons prize of 50—Pochmann Brothers Company.

Best new rose not in commerce and never exhibited before the American Rose Society, Pierson silver cup valued at \$25, W. P. Craig, exhibiting for Robert Scott & Son, Sharon Hill, Pa., with Mrs. Jardine.

Twenty-five blooms pink roses, not disseminated prior to 1908, J. E. Deannud silver cup, valued at \$15—Myers & Sautman, with Wyndmoor.

Twenty-five Killarney, Kroeschell Brothers' prize of \$10, Pochmann Brothers Company.

Fifty American Beauty, Darling & Company prize—Pochmann Brothers Company.

Twenty-five Killarney, Holton & Hankel Company prize of \$10—Pochmann Brothers Company.

Best vase of 100 American Beauty, Crane & Company silver cup, valued at \$100, Bassett & Washburn, Chicago.

Best fifty blooms of a new forcing rose, never before exhibited for competition, Holler Brothers silver loving cup, valued at \$20—Myers & Sautman, with Wyndmoor.

Vaughan's Seed Store, Chicago, took the silver cup for general display of roses in pots, best for six plants in not larger than 8 in. pots, best for six climbers, second for specimen climber.

Two hundred Lily of the valley, First, Pochmann Brothers Company, second, H. N. Bires.

The judges were J. H. Dunlop, Toronto, Ont.; Peter Crowe, Erie, N. Y.; and Emil Eubrecht, Chicago. Special judges, W. H. Elliott, Alex. Montgomery, Jr., and Frank R. Pierson.

The session on Thursday morning opened with the reading of a paper by J. F. Sullivan, Detroit, Mich., on "The Rose in Decorations."

A paper was read by W. H. Elliott, on "Proper Size of a Committee of Rose Judges."

A paper by Mr. Maxmuller on soils followed. In the discussion it was suggested that the water used might have an effect on the propagation of the effect obtained from such.

Rolls were taken at the close of meeting.

The election of officers for the next year was held on August 1, Pochmann of the previous year was unanimously elected to the office. W. P. K. Stiles was elected vice-president, Secretary Hammond and Treasurer Harry O. May were re-elected. Mr. Farnwald was re-elected W. P. K. Stiles to the board of directors for three years more.

Final papers and other concluding business of the convention, Pochmann Brothers, including an address by Farnwald, and W. A. Manda of A. D. K. Co., St. Newburyport, Mass.

Pot Roses for Easter.

BY ROBERT CRAIG, PHILADELPHIA, PA.

It was thought by the officers of the Rose Society that some notes on this subject would prove useful to beginners in the business, and in accordance with that idea I give the results of my observation and experience.

The principal obstacle in the way of having fine specimen roses at Easter lies in the difficulty of obtaining sufficiently strong plants. In roses of the Crimson Rambler and Wichuraiana types, strong canes can be had by planting out in the open ground in heavy soil, well manured and leaving the plants out at least one Winter; when they are left out for two Winters they make extra strong plants, with long, strong canes suitable for training into large specimens.

Magna Charta, which is undoubtedly the best of all the hybrid roses as an Easter pot plant, may be treated in like manner; this also applies to Clothilde Soupert, which is deserving of special mention on account of its freedom of bloom, distinct color and, above all, its good keeping qualities; it may be kept, in a cool house, for two weeks in full bloom, which cannot be said of many of the varieties.

Suitable Varieties.

Among other good Easter hybrids for pots (I know of but few) may be mentioned Mrs. John Laing, Ulrich Brunner (of fine color but a poor keeper), Rhodocanachi; Mlle. Gabriel Luizet, General Jacqueminot and Killarney. If sufficiently strong canes of the latter can be had it is one of the most attractive; but these varieties do not make strong plants on their own roots in the open ground, especially in the Northern States.

For such varieties as cannot be obtained from nurserymen in this country, recourse must be had to importing the strongest plants possible from Europe in the Fall, preferably from England or Ireland, budded *low* on Manetti. Those from Holland are generally budded too high on the stock to make attractive pot plants. Plants which are packed for shipment should have their roots surrounded by damp moss, and should be exposed to the air as little as possible from time of lifting until they are potted; many failures result from lack of this precaution. The plants should not be lifted until they have had some frost to ripen the wood thoroughly; in the latitude of Philadelphia this is usually from the middle to the latter part of November. I have never been able, however, to get plants uniformly strong enough to force them the first season after importing; the plants are not graded into sizes and many sent are too small to make suitable plants the first season after importing. It is our custom to take only the stronger plants and the others are wintered over, as cheaply as possible in cold frames or houses, to be grown in pots the following Summer, which treatment greatly benefits them.

The Crimson Rambler, if carefully handled will make as fine plants the first season from open ground, but the other varieties will bloom more freely if grown in pots one season. The cost of wintering imported plants in frames is about \$50 per thousand, and the cost of growing them through the Summer about \$50 per thousand additional; but the improvement in the character of the plants fully justifies the expense, for Easter purposes. Air should be given during the Winter whenever the weather is mild enough, and every precaution taken to prevent the tops from growing as long as possible; after the young roots have started they should not be allowed to freeze, as they are thus easily killed; the pots should stand on a dry bottom and be packed in leaves, sawdust, ashes or other suitable material.

The Crimson Rambler has been for many years a very popular Easter plant, but its popularity is waning; it will still be grown, but in smaller numbers than formerly, but fortunately there are a number of climbers that may be grown profitably, which have the charm of novelty. Among the very best are Lady Gay, Dorothy Perkins, Tausendschön and Hiawatha. The last named is especially charming; although the bloom looks frail, it is a fine keeper, and I look for it to increase in popularity. The new variety, Newport Fairy, will undoubtedly be largely grown when its merits become known. Another very fine one is Mr. Walsh's Juanita, and no doubt there are other hybrids in the Wichuraiana section which I have not had the opportunity of seeing.

Culture.

The culture of pot roses for Easter is very simple, but there are certain rules as to temperature, airing, and the prevention or destruction of insects, which must be faithfully followed: The soil should be a clay loam enriched with well decom-

posed stable manure, and I like to add a liberal sprinkling of bone dust and fine sheep manure; the latter gives the foliage a rich dark color. The plants should be carefully and *very firmly* potted, using a potting stick to pack the soil about the roots. It is well to shade the house either with slats or by whitewashing the glass with whiting and coal oil; and sprinkle frequently with water to keep the wood plump until the young roots start; they should never be allowed to shrivel. Keep for five or six weeks in a night temperature of 40 to 45 degrees; the plants should by this time be well rooted and the temperature may be gradually increased, if necessary, to 60 or 65 degrees at night. When we have a late Easter, as this year, it may be at no time necessary to exceed 60 degrees; the lower the temperature at which they can be flowered in time, the better.

Crimson Rambler and Wichuraiana roses may be trained in various shapes—globular, oval, or in the form of fans, etc.—or they may be cut back to about one foot from the pots and grown without any staking. In these severely cut back plants the clusters of flowers will be larger than where more of the wood is retained and the lighter branches allowed to bloom. Use tobacco stems between the pots to keep down insects, cleaning out and removing about



Philip Breitmeyer
Vice-President A. R. S. for 1908

once a month. Give always *plenty of air* if weather permits; if this is regularly attended to, mildew is not likely to appear, and when the buds are set an occasional watering, say once in two weeks, with manure water is beneficial. Soot water is also excellent to improve the foliage and the color of the blooms and serves also to destroy worms.

To recapitulate, I should say the principal points to be observed are: Lift carefully, pot promptly and firmly, start at low temperature, give always as much air as possible, and use tobacco stems between the pots, which should have some space between them from the very start.

Rose White Killarney.

This variety originated at the Waban Rose Conservatories, Natick, Mass., and is a sport of the popular Killarney rose. Half of the stock has been purchased by the F. R. Pierson Company, Tarrytown, N. Y., and will be placed on the market next year. Mr. Pierson has this to say of the newcomer:

"I believe White Killarney is going to be the greatest white rose that has ever been introduced, because it is an all season rose, like Killarney, being good both Summer and Winter, and should largely displace both Bride and Kaiserin Augusta Victoria in consequence, neither of which covers the entire season. Killarney has become such a popular rose that I believe White Killarney will prove to be an equally important addition to our limited list of Winter-flowering roses. Both ourselves and the Waban Rose Conservatories will grow a whole house of White Killarney the coming year."

Roses in Colorado.

BY J. A. VALENTINE OF DENVER, COLO.

Topographical.

The State of Colorado, situated a little to the west of the geographical center of the United States, is about 375 miles long from east to west, about 275 miles wide, and has a total population of about 650,000. Denver, the principal city and capital of Colorado, with a population of about 200,000, is situated a little to the east and north of the center of the State. In traveling from Chicago to Denver, your journey would be a little longer than from Chicago to New York.

In going west from here by rail, you reach the Missouri River at Omaha in about five hundred miles. From there for more than five hundred miles you cross an immense plain, with an average rise of about seven feet to the mile, so that by the time you reach Denver you will be a mile above sea level.

You will have traversed the State of Nebraska from east to west, and a large part of this State is now fertile and productive farms, although within the memory of some of those here to-day it was a portion of the Great American Desert, and considered sterile and unproductive. My own personal knowledge of this region only extends back about twenty-five years, but I can very well remember when the meridian of 100 degrees was spoken of as a dead line, beyond which it was absolutely impossible to conduct any farming enterprise without irrigation. To-day the situation is so far changed that a great many people are contending that profitable farming without irrigation is possible even as far west as Denver, and more than that they are showing a good many substantial results to justify the faith within them.

The eastern half of Colorado is part of the immense plain already mentioned, and the western half is mountainous. The main range of the Rockies lies directly west of Denver, with the crest of the range only about fifty miles away, with numerous peaks reaching an elevation of 14,000 feet, and the gaps or passes ranging from ten to twelve thousand feet. Westward from here the whole State is mountainous, with many fertile valleys between the ranges, some of them narrow and some of them wide; but from the eastern to the western boundary of the State the whole region is arid, with a very light rainfall, which averages about 14 inches per annum in the vicinity of Denver; and farming by ordinary methods is not possible without irrigation. Evaporation is at all times very rapid, and dews almost unknown.

Recently a great many experiments have been conducted under what is known as the "Campbell System," which briefly means intensive cultivation and a retention of the moisture in the soil by continually keeping the surface in a pulverized condition, and thereby preventing evaporation. It is too early to speak with entire confidence as to results, though success has been achieved in many cases, and the striking results obtained may well carry a lesson for florists whose carnations are suffering from drought in the field.

Climatic and Soil Conditions.

The whole State is blessed with abundant sunshine both in Summer and in Winter, and except in the mountainous portions, the Winter climate is mild with but little snow. There is a wide daily range of temperature, nights being cool in Summer and cold in Winter. There is also a great difference between the temperature in the sun and in the shade, largely due to the absence of moisture in the atmosphere. Naturally, in a climate so widely different from the climate of the Eastern States, problems arise peculiar to this locality.

In any arid region the vegetation is scanty, and this same condition has existed back during the countless years in which the surface soil was being formed. Consequently the soil contains very little fiber and very little decayed vegetable matter, but the soluble salts are apt to be present in large quantities, because there has been little water to dissolve them and wash them away. Some of these salts are beneficial and some of them are harmful. In many localities alkaline salts are present in such quantities as to make the soil utterly useless, and the water of the streams naturally partakes of the chemical qualities of the soil so that in a great many cases the water is so badly impregnated as to be utterly unfit for use. Many florists in the arid regions have failed because they neglected to investigate the quality of their water supply before deciding upon a location.

It is generally possible to find soil which will produce good roses in the field, but it is difficult to find it heavy enough to be satisfactory and at the same time porous enough to permit of heavy watering in the benches. Our heaviest soil, called adobe, formed from decomposed shale, is certain to contain alkali, and cracks very badly when dry; but by a careful selection of soil most growers are meeting with fairly satisfactory results, although there is still much to be desired and the ideal soil has not yet been obtained.

It is not an expensive or a difficult matter to secure a determination of the soluble salts in a sample of water, and the Department of Agriculture will furnish valuable advice in such cases if requested. When it

comes to an analysis of the soil, the situation is very different, for then the problem becomes very complex, and what with soluble and insoluble food, moisture content, mechanical condition, and nitrifying and denitrifying bacteria in numerous varieties, the layman searching for information becomes confused and is quite ready to agree with a recently published statement of Professor Corbett to the effect that the plant itself must tell you by its action whether the soil is suitable. Yet even the soil sharps quarrel among themselves, and many of them claim that soil analysis is a safe guide. Your Illinois Experiment Station seems to be among the latter, and more than that, they support their claims by results which lead us to hope that the present confusion will some day crystallize into tested and accepted methods whereby the man in the laboratory may give wise counsel to both the man with the hoe and the one with the hose.

Owing to the exceedingly dry atmosphere and the light rainfall, it is very difficult to get good results from the composting of soil in Colorado. If sod is piled up it does not rot but dries out. If manure is mixed with the soil its chemical condition remains unaltered for a long time. Some of our rose growers have on that account absolutely abandoned the use of manure in soil put into the benches, and all growers use it with great caution. When used as a top-dressing it should be mixed with about an equal quantity of soil. It is safe to say that if a rose grower in Denver were to top-dress his benches with such quantities of green manure as are used in the vicinity of Chicago, he would hardly have a leaf left on any of his plants at the end of a week. We Denver growers are simply amazed at the impunity with which manure is used in this vicinity.

Evils Confronting Rose Growers.

Among the ordinary evils which rose growers have to contend with there are none of them which we do not have. The dry air seems to suit the red spider to perfection, but with our continual sunshine we are able to syringe the roses freely without any bad effect. Black spot attacks the American Beauty and hybrid teas to some extent, but is not nearly the scourge that it is in the East. Thrips are like the poor, always with us, though I cannot vouch for as many varieties as your Illinois Experiment Station claims; and the green fly propagates as freely with us as elsewhere, but is eradicated long before we get rid of the thrips.

Mildew has been quite a problem with us in August and September. In the Summer time our houses not infrequently show a temperature of 110 degrees when they are not shaded, although it is very rare indeed that the weather bureau reports any temperature above 95 degrees, and some of our September days are nearly as hot as Midsummer. We frequently get a night temperature in June, July and August of 45 degrees, with 6 or 7 degrees lower than that on rare occasions, and we expect a severe frost about the middle of September. At the place where I have charge, we keep steam in the boilers all through the Summer, believing that it pays to do this as a protection against mildew; and yet last Summer we had a great deal of mildew, while one of our neighbors did not fire at all and his stock was perfectly clean. Owing to the dry air one would naturally expect us to be free from this trouble, and I am not competent to say why we are not.

A number of years ago our tea roses were not producing well, and were not making a good growth. Investigation disclosed the presence of immense numbers of eel worms. Our dry climate and our mild Winters seem to be just suited to the production of nematodes in the open ground. After a very thorough comparative test, we abandoned the growing of tea roses on their own roots, and have now for a number of years grown them only on manetti. For a considerable time we sterilized the soil that we put in the benches, but this process has been abandoned, as the manetti stocks have seemed to be perfectly immune. I believe that a large proportion of the tea roses grown in Colorado are now grown on manetti stocks.

The growing of American Beauty on manetti has been quite extensively tried, but the results have not seemed to be decisive either for or against this method, and the gain, if any, was so slight that all our Beauty roses are now grown on their own roots.

Native Roses as Stocks.

So far as I know, none of our native roses have ever been used as stocks upon which to graft or bud roses for forcing or for garden use, and I presume the probabilities are against securing any good results, but the experiment ought to be worth trying. We have one or two native roses that are quite vigorous in their growth, and they are doubtless resistant to the evil effects of the alkaline salts so generally prevalent in the soil. Probably nothing but an actual test could determine how well they would respond to Winter forcing, though the chances are that they would prove rebellious.

Dormant roses of all kinds are hard for us to handle. They are slow in making roots, and it requires careful handling to keep the wood from shriveling. Such roses as the Crimson Rambler are always in evidence in the stores at Easter time, but plants that are really well done are always scarce, and no grower can be absolutely certain of his results.

Garden Roses.

Our people as a rule are but just beginning to have a proper appreciation of garden roses and shrubbery, and within the last few years business in these lines has largely increased.

Owing to the peculiar climatic conditions already outlined, the growing of roses in the garden presents a great many problems, and it is a difficult matter to get the average householder to understand just what is required in the way of care, so that repeated failures have discouraged a great many. Dormant roses shipped in from the East generally arrive with the roots badly dried, and a large percentage of them die. Reputable concerns, should, for their own sakes, use more care in packing shipments for the arid States so as to prevent this drying out. Shipments are also made by the itinerant peddlers, who care nothing for the interests of their customers, and the buyer is not entitled to much sympathy when he finds his investment a total loss. But such transactions are an injury to the business, for a man is loath to try again if his first purchase proves a failure.

Roses which are hardy in regions where the temperature goes very much lower than it does in Denver, often Winter-kill with us, but it is not the severe cold that kills them. A plant suffering from drought will not endure the same degree of cold that it would if the soil were in a reasonably moist condition. Since the first of November we have had a total rainfall of less than 1 1/2 inches up to the 15th of March, and during that time we have only had three storms where the precipitation was one-quarter inch. Then again we have a great many warm Winter days, and especially warm days in February, March and April, which make the buds swell, only to be severely frozen later on.

During this same period the nights are generally about 25 degrees colder than the days, but this difference sometimes reaches to more than 50 degrees, and on rare occasions to nearly 60 degrees. It is obvious that a day temperature of 70 degrees, followed by a night temperature of 20 degrees in April, is more than any rose plant can well withstand.

The drying winds and the bright sunshine also work a great deal of harm, and with us it is more essential to provide protection from the sun than it is from the cold. We find that plants on the north side of a tight board fence generally come through the Winter in pretty good shape, while those on the south side of the same fence are very apt to die. Tea roses do not seem to have vitality enough to withstand our Winters even when protected, but the hybrid teas do very nicely and are planted quite largely. Climbing roses are apt to have the wood badly killed back unless they are in a position where they are sheltered from the sun.

Owing to our dry Winters, few hardy roses are planted in the Fall, and Spring planting of field-grown stock often meets with failure unless the planting is done very early. In our establishment we have advocated the planting of young roses from Finch pots in preference to field-grown stock, the results being much more satisfactory. By Fall these roses are vigorous bushes and in good condition to endure the hardships of Winter. Roses on their own roots are much to be preferred to budded stock for the garden, because if the tops are badly killed back they are likely to make good growth again from the bottom.

Colorado versus Eastern Methods.

I find that in many quarters the idea prevails that an apprentice who has served a year or two in the East can come to Colorado and rank as a first-class florist. In other words, it is thought that our methods are crude; our growers ignorant and unskillful, and our structures of an obsolete type. We are apt to be a little resentful of such an assumption, for it is erroneous, and while I do not wish to appear boastful, it is due the florists of our section to say that they are an intelligent lot of men, whose character and methods will not suffer by comparison with the florists of any other section. While our houses are not as expensive or as extensive as some in other parts of the country, they are in the main well suited to the purposes for which they are intended. Our rose growers do not cut a large number of flowers on extra long stems that would grade as "specials" in this market, because our market does not demand much stock of that grade, and also because our climate tends to produce a more slender growth and a more early setting of the buds; but the stock averages well, is well colored unless faded by too much sun, and would sell well in any market.

Nothing which I have said should be construed as implying that the problems with which we contend are more difficult than those encountered in the Eastern States, but they are different. Our ranks are constantly being augmented by accessions from the East, and any florist who has succeeded there may confidently expect to succeed anywhere; but he will make a great mistake if he allows his previous success to blind him to the fact that a strange country means strange conditions, and that those who have gone before him are in all probability able to aid him by a recital of their own mistakes. Whether they will aid him will depend largely upon his own attitude.

The people of the West speak of a newcomer as a "tenderfoot," and until he has become acclimated he

will find it polite to assume a cock and bull demeanor. If he does he will receive a cordial welcome, and find his fellow florists a lot of good fellows; but as he begins by commenting adversely on what he sees, and sins still further by predicting the thing he proposes to accomplish, he cannot wonder if the natives stand back and prepare to laugh, when he proves the truth of the adage that "Pride goeth before a fall."

Most rose growers who come to our climate from the East come with a feeling that the dry air and continual sunshine are all they need to insure success, and there is no disguising the fact that we are free from troubles that are so serious a matter to our Eastern brethren during the dark days of Winter; but dry air and sunshine are not the only essentials. The regions where vegetation grows luxuriantly are regions that have a humid atmosphere and the cloudy days which necessarily come with such an atmosphere. Many a rose grower has come to Colorado, and starting advice has attempted to dry off his roses in the Summer for the purpose of starting them up later, as he had been accustomed to do. The drying is easy, but the subsequent starting is a problem. We frequently carry over roses to the second and even the third year, but we do not attempt to stop them, and we keep them practically in full growth, even if we propose to transfer the bushes from one house to another.

The Cut Flower Supply.

Just at present in Denver the supply of cut flowers is decidedly in excess of the demand. This is apt to be true with us for a short time in the Fall and again in the Spring, but during the rest of the year the supply and demand seem pretty well balanced. There was a time when a great many roses were shipped to Colorado by Eastern growers, but I believe that practically none are shipped in now.

The people of Colorado as a class are what would be termed "good spenders," but not in the way that seems to be generally imagined. There are very few instances of the lucky miner with more money than he knows what to do with. They generally buy what they have use for, and are willing to pay a fair price for it, but it is a mistake to suppose that they are disposed to throw away their money. On the other hand, what is commonly known as "shopping" or "haggling" for the sake of getting a small reduction in the price is not very much practiced.

Prices.

The prices which are obtainable in the Denver market are never as high as the highest prices obtainable in the Chicago market, especially at Christmas, but prices are more even the year through, and a considerable part of the retail trade is supplied under contract, where the prices are fixed in advance. No one has ever made a success of a wholesale commission house in Denver, and it looks as though such an enterprise could not be a success until there is room for two such concerns, for it is hard to get the growers to place confidence in a man who has no competition.

As nearly as I can determine, the forcing of roses in Colorado dates back only to 1873, when Gus, Opitz grew a dozen plants or so. The following year Rushmore & Son planted Hermosa, Isabella Sprunt, Safrano and Lamarque, all in a house about fifty feet long.

The Varieties Grown.

I have sent out numerous inquiries, and using the replies received as a basis, I estimate that the florists of the State are at present forcing about 35,000 American Beauty, 30,000 Bride, 20,000 each of Bridesmaid, Mme. Abel Chatenay and Richmond, and 10,000 other roses, including Alice Roosevelt, Killarney, Perle de Jardins, Kaiserin Augusta Victoria, and Kate Moulton. It is interesting to note that not a single concern reported any Liberty, and that rose seems to have been completely supplanted by Richmond.

The Retail Business.

The retail business in the State probably approximates \$650,000 per annum, or \$1 for each inhabitant. I would not like to venture an estimate of the amount of wholesale business done with adjoining States, but it is considerable. These figures must seem absurdly small to Chicago florists who are accustomed to place with a million feet of glass under one management; but some day the men who have grown rich in Chicago will make their homes in Colorado, where Summer and Winter are alike delightful, and we in our turn will build large places and get rich catering to their wants.

The Prospect.

Just at present there does not seem to be any opening for increased areas of glass in the vicinity of Denver, but there are doubtless a number of small towns in the State where a florist could start in a modest way and gradually build up a business which would be fairly remunerative. Such a man would do well to work a year for some established concern where he could observe the methods practiced, and he could then start for himself with less risk of costly mistakes. If success came slowly he would find some compensation in the joy of living among a warmhearted and good-natured people in a glorious climate with noble mountains in view, whose charm would over-weigh. Who better can any country offer than moderate financial success in such an environment?

The Adaptation of Soils to Varieties and its Application to Indoor Cultivation.

Read before the American Rose Society at Chicago, March, 1908, by Gustavus B. Magnadier, Bureau of Soils, United States Department of Agriculture.

The whole work of the Department of Agriculture is apportioned, according to the character of the problem, among the various bureaus of which the Department is made up, one of these being the Bureau of Soils.

This bureau has allotted to it the duty of surveying and mapping the soils of the United States and of making all investigations concerning them. The problems with which it deals are by no means the simple affairs that many who fail to appreciate what the soil is, what it does and how it does it, are inclined to think. To them the soil is so much dirt. It is to them a lifeless, inert mass. It is necessary, to be sure, and therefore to be tolerated.

We who take a deeper interest, however, know the soil as it really is. Whether we are accustomed to study it in the laboratory or to use in the field the garden or the greenhouse we know that far from being just so much dirt it is a highly complex body. Far from being an inert lifeless mass, it is most emphatically a thing of life. For every living thing, bush, tree or shrub that we see upon its surface, myriads exist within the soil itself. One of the duties of this bureau is to study these soil organisms and to find out what functions they perform.

Soils also vary in composition, and there may be present substances actually harmful to plants, or some of the essentials for plant growth may be wanting, hence

In the work of the Bureau of Soils in the field one of the most striking soil characteristics observed is the special adaptation or fitness of certain soils for certain classes of crops.

That certain classes of soils are peculiarly adapted to the growth and production of certain crops has been recognized by agriculturists of all lands, and in the writings of some of the highest authorities on agricultural topics such expressions as good "corn soil" or "wheat soil" are frequently to be met with.

Not only is this adaptation for certain crops observed, but in addition a special adaptation for certain varieties of the same crop.

While it is no doubt true that there are other factors which perhaps are to be considered in field practice, yet we feel assured from our observations in this direction that no single factor is of as great importance as the soil.

Adaptation of Soil to Varieties.

In regions where uniform soil and climate abound there is frequently to be found one particular variety of a crop that gives far better results than any other variety, though it is agreed on all sides that the soil is a good one for the crop, generally speaking. Moreover, when two sections are situated so as to be embraced within the same climatological zone, it frequently happens that the predominating soils are quite different. In such a case it is usually observed that the successful planters upon each soil type are growing the same or closely related varieties. There will, however, be found a considerable difference between the varieties grown on the different soil types. Not alone with field crops is this mutual agreement of soils and specific varieties to be observed but with fruits and with vegetables.

The sandy and gravelly soil in Steuben County, New York, is especially adapted to the Carman potato, while on the light loams of the southwestern section of New Jersey, Irish Cobbler and Green Mountain produce the best crops. On the clay loams in northwestern Ohio we find such late varieties as Iona and Rural New Yorker best suited to prevailing conditions, while Bliss' Triumph is especially adapted to the black prairie soils.

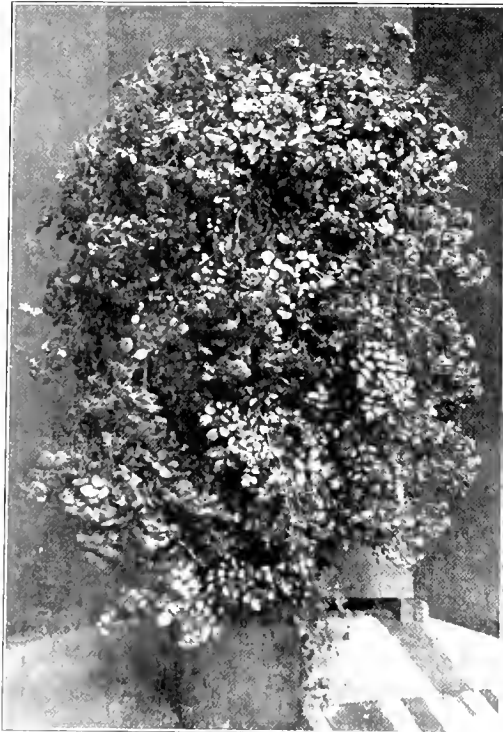
In those localities where truck growing is carried on commercial success depends very largely on the proper observance of this intimate and important mutual inter-relationship.

In a majority of the cases observed it was found that varieties not only were better suited to certain soils, but that the class of soils specially adapted for their growth was similar to that upon which the variety was developed.

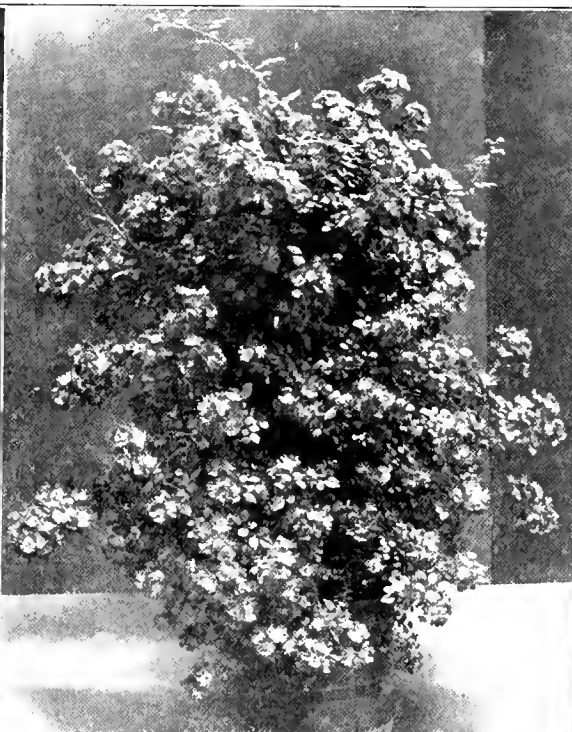
This is because the plant is in no sense a fixed unchangeable organism restricted to a definite form. On the contrary, it is highly plastic, capable of being changed or modified in all of its parts. We can by cultural methods alone effect many changes, and it is just as certain that as many more will occur through natural agencies. The effect of climate, the character of the soil, whether dry or moist, sandy or clay, all exert an influence tending to change or modify the existing plant characters.

Effect of Soil on Development of Varieties.

We see then that in the development of varieties the effect of soil is manifested, and that to keep a variety pure by freedom from cross-fertilization, is not always sufficient to maintain its varied characteristics. To keep it up to the ideal established by the originator it is necessary to provide an environment quite similar to that



Arcadia



Hiawatha



Delight

Roses Exhibited by M. H. Walsh, Woods Hole, Mass., at Boston Spring Show

they must be studied from the chemical standpoint.

Soils possess also certain physical properties such as weight, fineness of division, arrangement of particles. They bear certain relations to heat and to moisture. In the physical laboratory of this bureau is determined the influence of these attributes upon the soil and their effect upon its productivity.

The causes of infertility in certain soils, the restoration of the so-called worn out soils, the presence of poisonous substances in the soil as the result of excretion from the roots of living plants, all these demand special lines of investigation, each line being in the hands of specially trained men.

Following these strictly scientific technical investigations of the soil comes the study of soil utilization and management. This comprises the application of these laboratory results to conditions as they exist, dealing with problems of drainage, methods of tillage, the effect of fertilizers and special adaptation of soils to certain crops.

For you may rest assured that field operations must be based on correct scientific principles or they will be of no avail. However frequently existing conditions demand that these principles be modified, yet they can never be disregarded or opposed or disaster will surely follow.

As specific instances I may mention a few of the many cases that have been observed in the field and garden crops, fruits, etc.

The "Drake Cluster," a very high grade and highly productive variety of cotton, has been grown and kept pure on the upland soils of Alabama where it is noted for its superior qualities. This variety when grown on the bottom lands produces but little lint, the plant "going to weed" as it is called.

With some varieties of tobacco, while it is possible to grow on the sandy soils of certain localities cigar wrappers of the highest quality, when the same varieties are grown on the clay soils the product is suitable only for fillers, the quality of which is none too good. With fruits we find much additional evidence of the adaptation of soils to varieties, and in those sections where orange growing is carried on it is now recognized that it is absolutely necessary to select the particular variety to which the soil is most adapted.

With the apple this adaptation is well illustrated by the Newtown Pippin which reaches its highest state of perfection only when grown on the same class of soils, whether in New York or in Virginia. Again, the Baldwin, which also ranks high as a commercial apple in this same eastern region, is especially adapted to a much lighter class of soils.

in which it was developed. For it is now thoroughly understood that a change in environment is accompanied with an attempt on the part of the plant to readjust itself to meet the new conditions. If the change is within the limits of such readjustment the plant responds by changing its physical structure sufficiently to meet the new conditions. If the change is too great the plant dies. Originators of new varieties seldom think it necessary to mention the class of soils upon which the varieties were produced, never perhaps considering the influence that it may exert upon the future of the plants. And I believe that many new varieties which are introduced only to be as suddenly cast aside, disappear from cultivation because their habit is such that there are but few soils really well adapted to their culture.

By environment is meant those conditions that surround the growing plant, and may be considered under two heads—climate and soil.

In climate we include the combined effects of light, heat, moisture, etc. In the field these conditions are always subject to variation, and it is quite impossible for a single growing season to pass without the plants being subjected to climatic conditions more or less hindering their development.

In the soil we have not only the supply of mineral plant food, but seemingly there are in it also forces, not

yet understood, that exert a powerful influence on the habits of the plant, controlling to a great extent its thrift, characteristics and fruitfulness. And the effect of this influence appears whether the plant is cultivated for its foliage, its flowers or its seed.

Indeed I have seen it stated that you can change the nature of a plant only by changing its environment. I do not know whether it is the only way or not, but I do know that there is no surer way.

In a change of environment may or may not be included a change of climatic conditions. A change of soil type alone has been shown to be quite sufficient to bring about changes in the plant that in many instances are so marked as to greatly affect many varietal characteristics.

Soil in Indoor Culture.

If with our field and garden crops where the climatic influences have necessarily such a wide variation the soil proves itself to be so important in maintaining varietal characteristics and habits, is it not reasonable to suppose that with indoor conditions where these factors are under control the relative influence of the soil is increased?

From my own observations and from the testimony of others I believe this to be the case.

It is this phase of soil adaptation that concerns the indoor grower and which is now being investigated, particularly in regard to the soils used in the production of the different varieties of carnations and roses.

In our modern greenhouses we have eliminated climatic variations. We control the temperature by the turn of a valve. Rainfall is displaced by the hose. Ventilation is accomplished without subjecting our plants to damaging winds. In short, it is our business to provide the most suitable climatic conditions for the development of our plants.

general appearance of the plant was comparable in every way with that of the other varieties grown.

Fertilizer Experiments.

A recent experiment carried on to determine the effect of various fertilizers on carnations is particularly interesting when viewed from the standpoint of soil adaptation.

In this experiment two soils were used, various fertilizers being applied to each, comparison being with the soils to which stable manure alone was added. As it is no part of my present purpose to discuss the relative efficiency of fertilizers I will consider only the results obtained from the use of stable manure. These soils were planted to four varieties of carnations of undoubted merit; and were grown in a range of three even-span houses without interior walls, making it practically one house. Particular attention was paid to the maintenance of favorable conditions, so that the only point of difference was in the soil in which the plants were grown, the same number of plants of each variety being grown in each of the soils used.

Eachantress gave only eighty-five per cent, as many blooms on soil No. 2 as on soil No. 1; Mrs. T. W. Lawson eighty-seven per cent, and Robert Craig but seventy-eight per cent, on the corresponding soils. Lieutenant Peary somewhat reversed conditions and on soil No. 2 produced four per cent, more blooms than on soil No. 1.

We have then three varieties out of four that showed a very decided falling off accompanied with a difference in soil only all other conditions being the same. In one case the results are to all intents equal in each soil. Now I take it that such results are not due to chance. There must be a reason. And I do not think it too much to offer the difference in soil as this reason.

Mrs. Lawson, Eachantress and Robert Craig found

The group of climbing roses from M. H. Walsh Woods Hole, was one of the features of the exhibition. It contained very well finished plants, especially of the varieties Delight and Haywatha, two of the most pleasing of Mr. Walsh's productions.

First-class certificates of merit were awarded to E. A. Wood for carnation Mrs. Geo. A. Frost; to M. H. Walsh for new rose, Exotic, and to William Sim for new sweet pea, W. W. Smalley and Mrs. Alexander Wallace. The exhibit of sweet peas from Mr. Sim was extensive and fine, showing the high quality of these flowers which he can produce.

Cultural certificates were awarded to J. L. Smith for an excellent plant of Nephrolepis Barrowsii, and to William Downs for vase of yellow anthurium.

Honorable mention was given to W. A. Manda, South Orange, N. J., for Asparagus elongatus; F. C. Green for Roman hyacinth Excelstor; W. W. Rawson & Company for Lobelia Kathleen Mollard and for Anchusa italica, Dropmore variety; H. A. Drier for Marguerite Blush Queen Alexandra and to M. H. Walsh for new Rambler rose Celeste.

The W. W. Rawson silver cup, for the largest and best display of narcissi, was won by W. A. Riggs. The displays of bulbous plants were very fine.

Orchids were quite a feature of the show, the collections from Mr. S. A. Borden (E. Varden, gardener) and from Mr. J. E. Rothwell (E. Johansson, gardener), being extensive and attractive.

The cut rose exhibits were also very fine. W. H. Elliott was first for Bridesmaid, for Liberty and for Safrano, and second for Bride and for Killarney. E. Holmes of the Montrose greenhouses took first for Bride, second for Bridesmaid and third for Richmond. The Waban Conservatories won first for Killarney and second for Richmond.



Gold Medal Group of Amaryllis

Boston Spring Flower Show

General View

Exhibitor, T. D. Hatfield.

It is clear then that the only change in environment given the plants in a house where a light loamy soil is used, compared with one in which the benches are filled with a clay soil, is the soil itself.

Yet with this difference in soil only, we frequently observe that there is a considerable variation in the size, brilliancy of color, and other characters of the bloom of the same variety. A visit to the flower markets of our large cities affords many illustrations of these differences, when the products of the various establishments are seen side by side.

It is not to be expected that the soil adaptation is equally well defined with all varieties. Some being more fixed offer a greater resistance to change than others, nor should we expect to find the modifications that arise to be always in the same direction.

Not only in the character of the bloom may the influence of the soil appear, but in many cases it will be found to affect the habit of the plant itself. It does so in the field with outdoor crops, and it is reasonable to think that it exerts a similar influence on plants grown under glass.

A partial examination of the soils used by a few of our rose growers has already been made, and it discloses the great variety of soil types that are being used in the production of this crop alone. Ranging in texture from dense clay loams to porous sandy loams practically all intermediate grades are represented. Yet in many instances two very widely differing soil types are being used for the production of the same variety, resulting perhaps in a depreciation of the quality or quantity of bloom of one variety or the other.

I recently visited a rose house where I found one of the most popular varieties, a rose of great merit, giving such poor results that its cultivation is to be abandoned after this season. In this instance the size of the blooms was materially affected, though in other respects the

one of the soils far more adapted to their special requirements. With Lieutenant Peary the reverse was true though the adaptation was not so marked. Nor is this illustrative of adaptation of soils to a whole race of plants but to specific varieties.

It shows also the impropriety of attempting to draw definite conclusions as to the relative merits of different varieties, unless it can be shown that the soil type is equally well adapted to all of the varieties grown. It is, however, in determining the varieties that will likely prove most remunerative to the individual grower that such tests have their real value. For with a single bench, in one season, information of vast importance for his future guidance is readily obtained.

(To be continued)

Boston Spring Flower Show.

The Spring show of the Massachusetts Horticultural Society, which was held on Friday, Saturday, Sunday and Monday, was in many respects the best of its kind seen in Boston for many years. The quality of the exhibits was very fine and there were many of them of special interest. The arrangements were very artistic, and the attendance all that could be wished for.

As usual, the main hall was devoted to plants, the cyclamens, cinerarias, etc., being in the center, with groups of foliage and flowering plants on the sides. R & J. Paraphar & Company had an extensive group of flowering, bulbous and foliage plants, the general arrangement and harmony of color of which was so effective that the society's gold medal was awarded. Another group of plants that received a gold medal was an extensive exhibit of seedling amaryllis from Walter Hunnewell (T. D. Hatfield, gardener). Silver medals were awarded to M. H. Walsh for new rose Arendia; to A. Roper for carnation Bay State; and to William Nicholson for carnation Afterglow.

Non-commercial growers of roses were William Rust, gardener to Dr. C. G. Weld, and Mr. Pembroke, gardener to Mrs. J. C. Phillips.

In the carnation classes for 100 blooms S. J. Goddard won first with a superb vase of Helen Goddard. For crimson S. J. Goddard was first with Harry Fenn; Patten & Company, second with the same variety; and Mr. Goddard, third, with Octoroon. For scarlet Mr. Goddard was first, with Victory; Patten & Company, second, and C. S. Strout, third, with same variety. For white Mr. Goddard was again first, with Lady Bountiful; C. S. Strout, second, with White Perfection; and S. J. Goddard, third, with White Perfection. For light pink Backer & Company took first, with Rose Pink Eachantress; S. J. Goddard, second, with Winsor; Patten & Company, third, with Winsor. For Daybreak shade of pink, C. S. Strout won first, with Eachantress; S. J. Goddard, second, and Mrs. J. E. Phillips, third, with same variety. In dark pink, Mrs. Mansfield was first, with Mrs. Lawson; Wm. Whitman, second, with same variety, and Patten & Company, third, with Helen Goddard. In the variegated class Backer & Company took first, with Mrs. M. A. Patten; and Patten & Company, second, with Variegated Lawson.

The violet displays were good. H. F. Woods was first, and H. F. Calder, second, for doubles; and for singles, William Sim took first, with Boston, and Estey Brothers, second, with Princess of Wales.

Other groups of plants of special note were the collections of Edward MacMulkin, Harvard Botanic Gardens; Thomas Roland, Mrs. J. L. Gardner and of General S. M. Weld.

Among the competitors in the private garden class, the principal exhibitors were Wm. Rust, W. A. Riggs, Martin Sullivan, E. Johansson, T. D. Hatfield, Thomas Cotes, Wm. Thatcher, J. L. Smith, George Pezalla and J. Lawson. J. W. D. SEAN.

Proper Size of Commercial Rose House.

BY WILLIAM H. ELLIOTT, NEW BRIGHTON, MASS.

What is the proper size of a greenhouse to grow roses for commercial purposes? is the question assigned to me. What I think is really wanted in this case is to know how large one really thinks a greenhouse should be built. My answer will be more on this line.

First, I wish to apologize for coming as an Eastern man to the city of Chicago to answer a question of this kind, for, if there is anyone who knows how large greenhouses should be, it is the Chicago man. I can, however, give you an answer in very few words. A greenhouse, for commercial purposes, should be as large as a man has money to build. That is, whatever money he is going to invest in commercial houses might best be put in one house. I would not hesitate to put 150,000 feet under one roof. In fact, one could build a greenhouse to good advantage as long as it can be heated from one central station. One can heat 1,000 feet each way with a gravity system, provided he had fall of 10 feet from the radiating pipes to the water line of the boiler. With a vacuum system I presume they might be carried a great deal farther. Just how much I could not say, as I have not used that system.

Wide Single Roof Houses.

The continuous ridge and furrow houses need only be limited by the money to be laid out, as the heat could be carried 1,000 feet each way. Much can be said in answer to the question of the advantages of the ridge and furrow houses as compared with the wide single roof. I shall speak in favor of the wide single roof, although I must admit that the well constructed ridge and furrow ranges around Chicago are as fine houses as I would expect to see anywhere and I expect a strong argument in favor of that style from those using them. What influences me most in favor of the single roof is the snow. A roof that will clear itself of snow in Midwinter, at a time when the days are short, and prices high, is certainly to be desired. Another advantage of the single house is that it is easier to fill and empty; also that high houses are less expensive to heat. The variation of heat in the daytime is not so great. The houses should be easier ventilated and handled. Larger amount of air space inside the greenhouse has proved to be an advantage rather than the disadvantage most growers supposed it would be. Mr. Holmes, in his address on "Rose Culture" before the Gardeners and Florists' Club of Boston, stated as his opinion, that 40 per cent. of the improvement in rose growing in the past twenty years was due to the up-to-date greenhouse, and I think he was right. It is one of the facts that we must accept, that better stock can be grown in a large greenhouse than in a small one.

Width of House.

In regard to the width; it is hard to predict how wide greenhouses will be built in the next twenty-five years. Of course, with the ridge and furrow plan, the width



Single Bloom of Rose Mrs. Jardine.

Courtesy Robert Scott & Son.

is really unlimited, as the ventilation is taken care of as you go along; but how wide do you suppose greenhouses will be built and depend upon a single run of ventilators to ventilate them? We have already seen them built up to 150 feet in width. Unfortunately, this wide house was not well constructed and is not considered a success, but it is really not the width; it is the question of construction. If a house was thoroughly and properly constructed could a house of this size be handled to advantage? I have not seen this wide house during the Winter season; have no idea how the stock is growing. I looked this house over thoroughly at the time of the convention last Summer. It seemed to be considered an impracticable house, but the only reason given was the construction of the house. The question really is, if the house was strong and securely built would a house of that kind grow good stock? I would say that in that house at the time I saw it was growing as nice a lot of American Beauty as I could find anywhere. If the house will grow the stock, then what is really the vital question?

The next question is, can a house of that size be constructed and run as cheaply as a narrower house? There are a good many questions there that would need more knowledge and experience than I have had to answer. I cannot recommend the construction of houses of any such remarkable width. Sixty feet wide, with a pitch of six inches to the foot, I find to be thoroughly satisfactory. I would not hesitate very much to increase that width considerably, but as soon as I increase that width, I must splice my bars, which I have not done on any of my large houses. Ventilation seems to be good. The air in these large high houses always seems better than in the small ones. I do not quite understand why we need to ventilate greenhouses except to reduce the heat.

Would the air in a greenhouse keep pure and good without being renewed? If not, what is it that spoils it and would it not be much more serious in houses with much less air space?

Some Construction Drawbacks.

I think it only fair that I should state what seems to be the most serious drawbacks in the construction of these large houses. In the first place, the unequal expansion of ridge, purlins, plates and sills. It is also a long distance to drive around them with a cartload of

soil; leakage is increased if roofs are not kept in the best of repair. There is also great danger from the wind in houses of this size. The movement of so large a body of air as is contained in these houses strains the glass much more from the inside than in the smaller houses. They need to be built strong and glazed thoroughly. I have made up my mind to double nail the glass at the end of these houses.

Horticultural builders charge more to cover the same ground with houses of this kind than they do with a number of smaller houses. They are right in this, for they need stronger and more thorough construction. I do not like the iron frame with heavy rafters for this construction. We must guard carefully against the enlarging of our houses without properly strengthening all parts. My first large houses were weak in the outside walls. Thorough and permanent construction is what is needed, for many reasons; not alone on account of wind and weather, but because this business has grown to be permanent and important enough to have a place of its own and is not built up with the idea that it will some day be torn down and the land used for building purposes. A man building a factory does not have any such idea and our establishment should be just as permanent, or more so, than any factory. A proper location should be selected with great care; then get the best to do with and build thoroughly enough that the place can be inherited by your children and grandchildren. The fact that the growing of cut roses as a business was born inside of the last fifty years is no reason to suppose it will die out inside of the same time.

While I am wandering away from the question, allow me to impress on you the importance of taking the best of care of your house when built, especially in regard to painting.

Godfrey Aschmann, Philadelphia.

Among the wholesale growing establishments in the city of Philadelphia there is perhaps none that has a wider distributed shipping trade than that of Godfrey Aschmann. Mr. Aschmann has been making a specialty of flowering and decorative plants for the trade for quite a number of years, and has been eminently successful in the undertaking. Almost yearly some additions have been made to his greenhouses, but it seems however large a stock he prepares for the oncoming holidays, the demand is always equal, and he has no difficulty in effecting satisfactory clearances. For the coming Easter his lilies are in superb condition, and while there has been a large percentage of bulbs that had to be thrown away on account of disease, he still has a very large supply, and the stock was never finer than it is at this time.

He is a very large importer and grower of azaleas. He makes personal visits to Europe, selecting the varieties most suitable for commercial purposes, and this season his stock is in superb condition and is seen in all sizes almost. Spirea Gladstone has been forced in large numbers, and the plants are in excellent form, showing a profusion of blooms. There is a large collection of hydrangeas which will be in flower nicely for Easter; also a stock of Cineraria hybrida. Hyacinths, tulips and daffodils are grown extensively, but, with the lateness of Easter this year, no forcing will be required for most of this stock.

Mr. Aschmann is a firm believer in printers' ink, and has gained a shipping trade into every State in the Union through the means of his liberal advertising.

CLUB AND SOCIETY DOINGS

NASSAU COUNTY (N. Y.) HORTICULTURAL SOCIETY.—The regular monthly meeting was held at Glen Cove, March 11. President Jenicke in the chair. In the competition for points, cyclamen, shown by S. J. Trepass, scored 76; mixed carnations, H. F. Meyer, 82; mixed carnations, Mr. Cleves, 77. William Eccles showed a fine vase of a pink sport of Enchantress, also one of Beacon. H. F. Meyer received honorable mention for his vase of carnation Aristocrat; Mr. Mense honorable mention for vase of mixed flowers. Charles Bertanzel was awarded a silver medal for his fine exhibit of carnations at the annual show of the society.

The May meeting will be held at Roslyn, L. I.

G. M. K.



Rose White Killarney.

Courtesy F. R. Pierson, Co.

FINE ROSE STOCK

MRS. POTTER PALMER and CARDINAL. AMERICAN BEAUTY. Rooted cuttings, \$3.00 per 100; \$8.00 per 100; \$60.00 per 1000. 100; \$27.50 per 1000. 2 in. or 2½ in., \$6.00 per 100; \$15.00 per 100, \$125.00 per 1000.
 KILLARNEY. Rooted cuttings, \$1.00 per 100; RICHMOND. Rooted cuttings, \$2.50 per 100; \$18.50 per 1000.
 MAID, BRIDE, PERLE, CHATENAY, KAISERIN, UNCLE JOHN, SUNRISE and RICHMOND. 2½ in., \$4.50 per 100; \$10.00 per 1000. 3½ in., June delivery, \$6.00 per 100; \$55.00 per 1000.

CHRYSANTHEMUMS

WHITE				YELLOW				PINK						
R. C. per 100		2 1/2-in. per 1000		R. C. per 100		2 1/2-in. per 1000		R. C. per 100		2 1/2-in. per 1000				
Virginia Pochlmann	\$10.00	\$80.00	\$12.00	\$100.00	Col. Appleton	2.50	22.00	3.00	27.50	McNiece	2.50	22.50	3.50	30.00
Robinson	2.00	17.50	2.50	22.00	Major Bonaffon	2.00	17.50	2.50	22.50	Maud Dean	2.50	22.50	3.50	30.00
Kalb	2.00	17.50	2.50	22.00	Golden Wedding	3.00	25.00	4.00	35.00	Dr. Enguehard	2.50	22.50	3.50	30.00
Eaton, Timothy	2.50	22.00	3.00	27.50	Yellow Eaton	2.50	22.00	3.00	27.50	Rosier	2.50	22.50	3.50	30.00
Alice Byron	2.50	22.00	3.00	27.50	Halliday	2.50	22.00	3.00	27.50					
Clementine Touse	3.00	25.00	4.00	35.00	Golden Chadwick	3.00	25.00	4.00	35.00					
Chadwick	3.00	25.00	4.00	35.00	Monrovia	3.00	—	4.00	—					
White Bonaffon	2.50	22.00	3.00	27.50										
Merry Christmas	2.50	20.00	2.50	22.00										
October Frost	5.00	—	6.00	—										

CARNATIONS ROOTED CUTTINGS

Per 100		Per 1000		Per 100		Per 1000		
White Lawson	\$2.00	\$20.00	Victory	3.00	25.00	Enchantress	3.00	25.00
Pink Lawson	2.00	20.00	Beacon	5.00	45.00	White Enchantress	5.00	45.00
Variegated Lawson	2.20	20.00	Winsor	5.00	45.00	Aristocrat	5.00	45.00
			Rose Pink Enchantress	3.00	25.00	White Perfection	4.00	35.00

FOR EASTER

LILIES, in pots and cut—fine, well hardened stock
 Roses, Carnations, Bulbous Flowers, Asparagus and Adiantum and everything seasonable

1,000,000 sq. ft of glass devoted to Cut Flowers

POEHLMANN BROTHERS CO.,

CUT FLOWER DEPARTMENT
 33-37 Randolph St., Chicago

MORTON GROVE, ILL.

THE WEEK'S WORK

Timme's Timely Teachings.

Bedding Begonias.

All the varieties of Begonia semperflorens are excellent for Summer bedding and as such are in ever-increasing demand. Although true florists' stock, since only the professional greenhouse man is enabled to furnish these plants in proper shape at the proper time, yet they are as easily raised as the humblest of garden annuals. They are, in truth, less resentful of unavoidable neglect than asters, for instance, and at the same time more grateful of any extra effort in their rearing than many other of the more common things florists find it to their interest to grow in quantity. All this goes to prove that begonias of this class are well worth being grown by every local florist and also deserving of that degree of good care which results in the best of stock. Early started seedlings, soon becoming crowded for room in their trays, should by this time be in thumb pots or in their second trays.

Centareas.

Early April is the best time to start the seeds of Centaurea cyanus, the Emperor cornflower. This variety may be planted out after being raised in a frame or very mild hotbed, if early flowers for the market are wanted; or the seeds may at once be sown in rows where the plants are to bloom, a succession of crops during the Summer being desirable if grown for the wholesale market. This is still one of the easiest grown and best paying outdoor crops for cutting. A far better article, though, is obtained by growing the newer kinds of sweet sultans, especially if a greenhouse bench, or several of them, can be spared for their culture. The varieties producing the finest flowers under careful indoor culture are Centaurea americana, C. margaritae and C. imperialis, all of them easily worked into flowering plants by Midsummer from seeds started now. They require good light, lots of ventilation and caution in watering. They can be had in several separate colors, all of the flowers being of peculiarly attractive form and delicate shade, the pure white

strains, however, faring best at the cut flower market. While they last any length of time after being cut, it is advisable to change the water quite often and to let the stems be out of it for hours at a time before again placing them back into water, lest they become slimy and unfit for handling—a serious drawback to their keeping. Not so much raised as formerly are Centaurea candidissima and C. gymnocarpa, the dusty millers of old; still they made attractive edgings around flower beds and borders, and for that purpose they are not to be despised even now. The seeds of these may still be sown and fairly good stock be had in good season for a time when the making of foliage beds is in full swing.

Primula obconica.

Another sowing of Primula obconica, the most useful of greenhouse primroses, is now in order. The highly improved strains not only produce the finest, largest flowers, but are also the least exacting in their cultural wants and should therefore have the preference every time when ordering seeds. A light, porous kind of soil for the seeds and something a trifle richer and heavier at every subsequent transplanting suits these primulas perfectly. Not by any means over-tender or fragile, they, after all, enjoy a treatment usually afforded plants of that nature; at least a much finer quality of flowers for cutting is obtained by adopting cultural methods calculated to encourage luxuriance and exceptional vigor of leafage and florescence. The seedlings, for example, will more quickly attain size without loss of health or vital strength in a fairly warm and moist greenhouse than in the most closely watched outdoor frame, the plants to be shifted before they become rootbound into pots just a size larger, with probably but one or two longer shifts at the end of their course. This will be in August for the earliest started and as late as December for some of the last lots. Soon after this final transplanting and during the time buds are pushing and flowers opening they are as liberally and as regularly treated to liquid stimulants as the greediest of feeders. Thus Primula obconica is made to furnish splendid material for cutting and this, too, at a time when due appreciation of its value is least likely to be

withheld, despite its ill repute of being dangerous to handle, which with ordinary care it is not. As a flowering potted plant it also sells well, has done so for years, requiring no extra amount of caretaking in its raising.

Cyclamens.

It is well to approach Easter with a goodly number of nicely finished cyclamens in readiness for the coming rush of business in potted flowering plants. It is not nearly as difficult to hold back and keep in presentable shape any of these plants apparently ahead of time than most other things intended to figure as Easter stock. A quite cool and judiciously ventilated house, one where superfluous fire heat can be turned off at any time, is probably at every grower's command, and that is the place where cyclamens, not too far gone or actually beyond their prime, will remain for weeks in the very pink of condition. Cleanliness, the absence of soot, dust and insects, protection against sunlight, the discontinuance of fumigation and liquid feeding, plenty of free space between plants and regular but careful watering and spraying for the good of roots and leaves but not a drop to touch any of the opening flowers, are points to be heeded in retarding cyclamens of flowering size. The small plants, young cyclamens started last Fall, on the other hand, are among the slowest of seedlings, need a deal of pushing, and this should be freely accorded at this time of year by having recourse to about the same method of apparently high culture as advised for the small seedlings of Primula obconica, i. e., warm quarters, generous spacing, frequent transplanting, the full light, care in watering and cleanliness throughout.

Field, Garden and Lawn.

Very much of the outdoor work planned for the ensuing season must be done early to be worth doing at all. The planting of deciduous trees and shrubs, including hardy climbers, hedge rows and garden roses should be attended to first of all. All other operations involving the handling and preparing of the ground for cultural purposes, as the sowing of seeds, the setting out of plants, the dividing and replanting of perennials, plowing, digging, raking, etc., should not be undertaken before the ground is in fit condition to be worked, as is so often

done. Heavy clay soils in particular, if it can possibly be avoided, should not be trampled or driven over, stirred or in any way handled while yet in a cold, soggy condition. After the frost is out of the ground, the standing pools from melting snow have disappeared, it takes the enlivening breath and constantly increasing sun heat of Spring often but a single day to put things in field and garden in proper shape, the soil in good condition for the work contemplated. It is then time to go at it with a will, to make sure of what is most pressing, to take advantage of the kindly spell of smiling Spring weather while it lasts, remembering its proverbial April fickleness. The first two weeks of the month have always proved the most propitious for the sowing of lawn grass and all seeds of hardy and half-hardy annuals that bear no transplanting or such as will do better if started where they are to remain. Among operations in the open that should now not be needlessly delayed, if not already seen to, are the pruning of hardy outdoor roses and shrubs, trees and vines in general, excluding, however, all such shrubs as flower early, then the removal in part or all of any sort of Winter protective covering, and an all-around tidying up as a matter of course.

Ardisia crenulata.

With so much to attend to at this season and with Easter now so close at hand, the grower is apt to forget that preparations for far away Christmas are now as much in order as for the nearby Spring holiday. Berried plants among Christmas stock play an important role, and among these again ardisias are by far the prettiest, the least plebeian at any rate. While still bottom heat comes to our assistance in the raising of fine little plants from seeds sown now, we take advantage of this circumstance and, if luck, as every year, favors the attempt, splendid little bushes by next Fall will be the issue. Ardisias are much slower in their growth, needing greater heat and care in starting than do Jerusalem cherries and celestial peppers; hence a good and early beginning signifies quite a gain in their culture. Most of these seedlings will only be first-class plants after being carried over for two Summers, a few being said to stock next Winter. FRED. W. TIMME.

THE FLORIST'S EXCHANGE

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants, also of Greenhouse, Land, Second-Hand Materials, etc. For Sale or Rent.

Four charge is in etc. per line 17 words to the line, set solid, without display. No advt. accepted for less than thirty cents. Display advertisements, in these columns, 15 cents per line, count 12 lines agate to the inch.

If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding. Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care of Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—By single man as rose grower, aged 21. Address, V. S., care The Florists' Exchange.

SITUATION WANTED—As assistant rose grower, German, aged 31, European and American experience. References. Address, E. K., care The Florists' Exchange.

SITUATION WANTED—By Swede, experienced gardener and florist, private place; can take full charge. Twenty years' experience, married, aged 35. Address, J. F., 17 Hazell Street, Stamford, Conn.

SITUATION WANTED—As gardener on private place, married, one child, 18 years experience. Best of references. Address, E. R., care The Florists' Exchange.

SITUATION WANTED—As foreman where first-class stock is required. Thoroughly proficient, long experience, satisfactory references. Address, Practice, care The Florists' Exchange.

SITUATION WANTED—As working foreman by experienced rose, carnation, chrysanthemum and bulb grower, married. Only first-class place. Address, E. Z., care The Florists' Exchange.

SITUATION WANTED—By an up-to-date gardener to take charge of greenhouses, vegetables, lawns. Married. Best of references, state wages and particulars. J. N., 27 East 19th Street, New York City.

SITUATION WANTED—Foreman, wants position in the South. Practical grower of good stock. Married; life experience, references. Please state terms. Address, S. A. G., care The Florists' Exchange.

SITUATION WANTED—In a good export-orient man in all branches, as assistant. Aged 25, steady, good worker. State wages etc. Address, E. G., care The Florists' Exchange.

SITUATION WANTED—By foreman grower of roses, carnations and chrysanthemums, where only high quality flowers are wanted; roses a specialty. Address, E. H., care The Florists' Exchange.

SITUATION WANTED—First-class grower, thoroughly experienced, wholesale or retail, as foreman or section man on up-to-date place. Best references, married. Address, E. M., care The Florists' Exchange.

SITUATION WANTED—By a No. 1 nurseryman and landscape gardener, best of references from Ireland, English and American nurserymen. I feel to handle help. Address, E. J. Tinea, care G. V. Hudson, 46 Hudson Street, New York City.

SITUATION WANTED—As foreman on up-to-date place. A No. 1 grower and propagator of roses, evergreens and all kinds of greenhouse and nursery stock. Used to handle men to best advantage. Address, O. N., care The Florists' Exchange.

SITUATION WANTED—As foreman by an experienced, all-around grower, 22 years of age, first-class rose, chrysanthemum, geranium, best references. Good reason for changing. State wages. C. G. Bapske, care Hugo Pladok, Elmhurst, N. Y.

SITUATION WANTED—By European gardener, first-class, commercial place, opportunity to learn American cultivation of roses and carnations. One year's experience in America. Ability. References. Address, E. R., P. O. Box 122, Elmwood, N. J.

SITUATION WANTED—By German gardener, married, 12 years' experience in cultivation of all kinds of greenhouses, work on private place as foreman on first-class stock, also on commercial place. Address, J. F., care The Florists' Exchange.

SITUATION WANTED—By an up-to-date commercial place, head gardener, by a man of steady, good grower of roses, carnations, geranium, chrysanthemum, also good landscape gardener. Write. Terms ready. Address, E. Y., care The Florists' Exchange.

SITUATIONS WANTED

SITUATION WANTED—On commercial or private place as section or foreman, aged 22, 16 years' experience in all branches of horticulture and gardening, excellent references. Eastern or Southern States preferred. Address, E. E., care The Florists' Exchange.

SITUATION WANTED—As head gardener on private place, 18 years' experience outside and under glass, including fruit under glass. Best references from first-class places in this country and Europe. Aged 31, married, no children. Address, W. E., care The Florists' Exchange.

SITUATION WANTED—As head gardener, assistant on private place where choice plants, ferns, orchids, foliage plants, etc., are grown; outside plants also. Single, aged 31, best of references. State full particulars in letter. Address, Gardener, care The Florists' Exchange.

SITUATION WANTED—As foreman where first-class stock is wanted. A No. 1 propagator of roses, evergreens and all kinds of shrubs and plants. Capable manager of any sized private greenhouses and outside. Address, O. W., care The Florists' Exchange.

SITUATION WANTED—First-class grower of orchids, stove plants, landscape gardener, 24 years' experience. Take position as foreman on private or commercial place. Married, no children. Ask for ability and references. Address, F. J., General Delivery, Morris Plains, N. J.

SITUATION WANTED—As superintendent of park, cemetery or estate, preferably new, open for engagement April 1. At present superintendent planting and maintaining park in New Jersey. American, aged 30, single; anywhere. Address, W. R. S., care The Florists' Exchange.

SITUATION WANTED—As foreman, grower, wholesale or retail, private or commercial, married, small family, twenty years' experience, roses a specialty. Best of references, up-to-date producer of first-class stock. Strictly sober, honest and trustworthy, desirous April 1 or sooner. State full particulars, wages, etc. in first letter. Address, M. M., care Box 17, Madison, N. J.

By competent all-around man as foreman of first-class place where full charge is given. A No. 1 grower of chrysanthemums, carnations, roses, pot plants and nursery stock for high-class retail trade. Long experience in handling men to best advantage. A hustler, American, no drinker. Permanent position, fair treatment and good wages expected. State wages, Address, HORTICULTURIST, FAIRFIELD, CONN.

HELP WANTED

WANTED—At once, first assistant for greenhouses on private place. Wages \$5.00 per month. Address, T. Bell, Philadelphia, Penn.

WANTED—Thoroughly experienced in growing and handling single and double violets. Apply to E. Buchanan, Pine Street, Dedham, Mass.

WANTED—Two men, one as grower of roses, carnations, chrysanthemums, etc., and one is all-around man who is good potter. Address, B. N., care The Florists' Exchange.

WANTED—Competent hands with experience in the seed business to put up orders and wait on customers. Also potter, one who knows how to pack. Address, E. S., care The Florists' Exchange.

WANTED—Two greenhouse men, experienced in roses and carnations, steady position. State wages expected and experience. Suburb of Boston. Address, E. F., care The Florists' Exchange.

WANTED—A grower of roses, carnations and general stock. Must be honest, sober and a hustler. State wages expected and see in the last letter. Address, E. X., care The Florists' Exchange.

WANTED—At once, a good grower of ornamental nursery stock, also ferns, etc. References. Broadway Nursery Company, 1717 Railway Exchange Building, Chicago, Ill.

WANTED—Experienced grower of geraniums and chrysanthemums, must be able to take charge. Wages \$7.00 per month and board. Address, J. J. E., care The Florists' Exchange.

WANTED—At once, a man capable of potting, bedding out and assisting in retail store when necessary. Salary \$12.00 per week. Full particulars and copies of letter cards to first letter. John Beck & Son, Philadelphia, Penn.

WANTED—Good, reliable greenhouse man for position in rose houses. Must have good references and some experience. Wages \$7.00, room and board. Address with particulars. H. care The Florists' Exchange.

HELP WANTED

WANTED—Young man of good habits for greenhouse work on private place, must produce best references, quick at potting, etc. Must also be total abstainer, state age and experience. Address, P. O. Box 322, Morristown, N. J.

WANTED—At once, live man for greenhouse and vegetable as second man on private place \$5.00 per month, without board or potting. No dead ones or drinkers. Need apply. Address, J. D. Knickman, care E. L. Madison, Perthchester, N. Y.

WANTED—A man who has some experience in potting and foliage plants, a good willing worker, strictly work to the right man. State wages wanted. Address, A. Leathy & Company, Perkins Street, Rosindale, Mass.

WANTED—Honest, industrious, temperate, single, English-speaking German to grow first-class greenhouse stock for retail trade. State wages expected. Place up-to-date. None but neat and good worker need apply. Address, A. J. C., care The Florists' Exchange.

WANTED—At once, an assistant on commercial place, one with some experience. Must be willing, sober and industrious, \$2.00 per month to start with, board and room. Full of address, West Philadelphia Floral, 5th and Gibson Avenue, Philadelphia, Pa.

WANTED—Young man for greenhouses as assistant on private place. Must know how to grow roses, chrysanthemums, carnations and bedding plants. Wages \$8.00 per month, with board and room, one hour from New York. Apply with copy of references to E. B., care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—About 5000 clean, box lots of Imperial Violet runners. Write stating price and condition. Horace Williams, Silver Lake, Conn.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Disinfect and removed at once. Terms cash. Address, F. N., care The Florists' Exchange.

MISCELLANEOUS

FOR SALE—Having two lots, will sell one. Exchange with America in Boston. 1000 sq. ft. V. L. H. Bond, care G. V. Hudson, care 46 Hudson Street, New York City. John Van Aart, Newburgh, N. Y.

FOR SALE OR RENT

FOR SALE—Greenhouse property consisting of one and a half acre, 3000 square feet of growing space. Also all needed for complete business. Address, B. D., care The Florists' Exchange.

FOR SALE—A piece of 2 1/2 lots, good soil, six greenhouses, well stocked and a two-story house, located in a good locality. Good home trade. Must sell on account of health. Jacob Van Der Grinten Avenue, Tonawanda, N. Y.

FOR RENT—A greenhouse property, six rose bushes, 100 feet long, requiring no work, sheds, etc. Plenty of good soil, near R. R. station. Write to Shuster, Jr., Lansdowne, Pa.

GREENHOUSES FOR SALE OR RENT—With apartments (five rooms), two houses, 18 x 150 each, one 20 x 150, 3 1/2 span, two No. 55 Hibernian hoppers all in good condition, vacant, city water. Near station, desirable. A. C. Reynolds, Madison, N. J.

FOR SALE—Florist and seed business, store well furnished with ice-box, counters, show cases, seed drawers, etc. Will sell at a reasonable price. Write for particulars to M. Stead, Florist, Broadway & Walker Avenue, Woudhagen, L. I., N. Y.

FOR SALE—Well established florists' stand, situated centrally, elevated, subway and surface cars stop at door. Prompt action will enable you to secure good Easter trade. Suitable for other lines of business. Estate of John Morris, 47 Jefferson Market, 6th Avenue opp 9th Street, New York City.

FOR SALE NEAR PHILADELPHIA

Nursery and florist business, convenient railroad facilities, very desirable location, greenhouses 8,000 feet of glass, nine-roomed house with all modern conveniences; stable and all outbuildings new and complete, 30 acres of land, 6 planted to ornamental shrubbery, etc.; the greenhouses are stocked with roses and other stock. Price \$12,500. A rare chance for the right party. Trifler need not apply. Address

NURSERY R. F. D. No. 5, Box 64, Norristown, Pa.

FOR SALE OR RENT

FOR SALE OR RENT—Five greenhouses in A No. 1 condition; ample barn and shed room together with eight-roomed cottage, all improvements, and about five acres of land fronting on two streets, 25 miles from New York. Purchaser can have immediate possession or will rent from May 1. Greenhouses now stocked with roses and carnations. Address, Key 1195, care The Florists' Exchange.

FOR SALE—Chance of a lifetime. On account of my husband's death, I desire to sell the business and property which consists of eight hothouses filled with different plants as the market here requires. Also cottage with eight rooms and barn, five acres of land in good condition, besides hothouses and two hot-water boilers in good condition. If interested, please address, Mrs. Hugo Book, 10 College Street, Worcester, Mass.

FOR SALE—A greenhouse establishment consisting of four houses, each 20x100 feet, two houses 20x60 feet, with storage house, store 18x60 feet, stable, barn and dwelling house, all in good condition. Houses well stocked with miscellaneous plants for a retail trade, which consumes the entire output, as well as all nursery stock grown on the place. Situated on a plot of 1 1/2 acres, in the finest part of a thriving suburban town. Possession after May 1, 1928. Good will, stock and accessories, \$5,000; property, \$13,000. Terms, \$5,000 cash, balance on mortgage. Address, H. N. Y., care The Florists' Exchange.

STOCK FOR SALE

PRINCESS OF WALES VIOLET CLUMPS, \$5.00 per 100. Joy Floral Company, Nashville, Tenn.

GERANIUM MME SALLEROL, strong, 2 in., ready for 3 in., \$2.00 per 100. Cash, Ellis Brother & Company, Keene, N. H.

IRENA HLEXENSIS GLABIOLUS, first size, \$8.00 per 1000; Isaac Buchanan, \$25.00 per 1000. Cash with order. Estate of Louis S. Buchanan, Floral Park, N. Y.

SALVIA ZERUHL, 2 in., \$3.00 per 100; \$25.00 per 1000; \$1.75 per 100; \$15.00 per 1000. Now ready. The Krueger Brothers Company, Toledo, O.

GLANT PANSY PLANTS (Rupp's Glant selected), strong, from open ground, 7 to 8 in., 100, postpaid; per 1000, \$3.00, by express. Miss Ada J. Brooks, Sorrento, Fla.

DAHLIA ROOTS—Undivided field clumps, Lyndhurst, Maid of Kent, William Agnew, White Swan, Kreimhilde, John Walker, Catherine Dyer and A. D. Livonia. Write for low prices. Wood & Healey, Hammonton, N. J.

STRONG stocky plants of Salvia Bonfire and Scarlet Dragon, 50¢ per 100; \$4.00 per 1000. Transplanted seedlings of English Polyanthas \$1.00 per 100, 550 well-rooted Salber geraniums for \$5.00. Cash with order. R. Powell, Florist, White Plains, N. Y.

SANDROOTED CARNATION CUTTINGS, A No. 1 stock, express paid, Victory, \$22.00; Pink Lawson, \$18.00; White Enchantress, \$18.00; Rose Pink Enchantress, \$30.00; Winner, \$18.00; Enchantress, \$20.00 per 1000. A. Lamb & Son, Hutchinsonville, Dutchess County, N. Y.

SEEDS—SEEDS—SEEDS

Bucklee's Famous "Full of Life" pedigreed strains of the newest and best varieties vegetable and flower seeds, etc. If you have failed to receive a copy of Spring Trade List write for it to-day. H. W. Bucklee, Rockford, Illinois.

Rockford Seed Farms—Forest City Greenhouses, 12,000 CALIFORNIA PRIVET for sale, in three sizes, 2 1/2 to 3 feet, strong and stocky, 7 to 9 branches, \$4.50 per 100; \$2.50 per 1000; 2 to 2 1/2 feet, 5 to 7 branches, \$3.50 per 100; \$22.50 per 1000; 20 to 24 inches, light, \$2.50 per 100; \$22.50 per 1000. Price includes parking and delivery to express company, or L. I. R. R. A. Schlegel, 118 Kingshighway, corner East 14th Street, Brooklyn, N. Y.

AMERICAN BEECH, 6 to 12 in., \$2.00; 12 to 18 in., \$4.00; 18 to 24 in., \$6.00 per 1000. Black Malberry native, 18 to 24 in., \$5.00; Russian, 12 to 18 in., \$3.00 per 1000. Collected seedlings of Moss Locust, 12 to 18 in., \$5.00; Viburnum Aesculifolium, 2 to 3 feet, \$5.00; Euconymia Americana, 2 to 3 feet, \$4.00 per 1000. Nursery stock, to close out, Hamamths, Witch Hazel, 6 to 12 in., \$4.00; 1 to 2 feet, \$6.00 per 1000. Red Elm, 6 to 12 in., \$2.00; 1 to 2 feet, \$4.00 per 1000. Sweet Gum, 6 to 12 in., \$3.00 per 1000. Ozier, Forsythia, 1 to 2 feet, \$2.00; 2 to 3 feet, \$3.00; 3 to 5 feet, \$5.00 per 1000. Tump Free, seedlings, 6 to 12 in., \$2.50; transplanted, 2 to 3 feet, \$15.00; 2 to 4 feet, \$20.00; 4 to 6 feet, \$30.00 per 1000. Althea Rosea, single, 6 to 12 in., \$1.25; 1 to 2 feet, \$2.00; 2 to 3 feet, \$5.00. Box Elder, 6 to 12 in., \$2.00 per 1000. Privet Iota, 6 to 18 in., \$1.00 per 1000. Fine stock to close out, 500 at 1000 rates. Several hundred thousand to offer. Boxed free. J. H. H. Boyd, McMinnville, Tenn.

Thirty cents is the minimum charge for advertisements on this page.

FOR SALE

FOR SALE—A large consignment of 16x21 double thick American glass, A and B quality. For further information write Parshelsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Relch, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE Ice-box, new, full glass front, side entrance, double glasses, best make. Size, 33x18 feet; used only few months. Just what you need for Summer use. Price, \$150. C. B. Stamford, Le Page Brothers, Stamford, Conn.

FOR SALE—Second-hand boilers. One No. 6 Weathered, capacity 1,000 feet, 4 inch pipe; one No. 5 Hitchings, capacity 900 feet, 4 inch pipe; one No. 57 Hitchings, sectional, capacity 2,600 feet, two eight-sectional Weathered boilers. Write for information and prices. Wm. H. Lutton, Opp. West Side Avenue Station (C. R. R. of N. J.), Jersey City, N. J. Telephone 412 Bergen.

FOR SALE

One No. 64 Niagara Boiler, round fire pot sectional type, capacity 1200 sq. ft. hot water. Boiler in perfect condition guaranteed. Bargain \$60.00. JOHN A. SCOLLAY, 74-76 Myrtle Avenue, Borough of Brooklyn, New York.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 2 1/2 c.; 1 1/4 in. 3 1/2 c.; 1 1/2 in. 4 1/2 c.; 2 in. 5 1/2 c.; 2 1/2 in. 10 c.; 3 in. 14 c.; 4 in. 18 c. per ft. New 2 in. Standard steam, 11 c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

STOCKS AND DIES New Economy, easy working, No. 1 cuts 1/2-3/4-1 in. \$3.00. No. 2 cuts 1 1/4-1 1/2-2 ins. \$4.00; Armstrong Adjustable No. 2 cuts 1/2-1 in. \$4.00; No. 3 cuts 1 1/4-1 1/2-2 ins. \$6.50. Second-hand Armstrong, No. 3, \$5.00; No. 2, \$3.00.

BOILERS one 12 in. grate, new round boiler, \$30.00; one 16 in. grate, new round boiler, heating 900 sq. ft. of glass, \$40.00. 1 American Radiator Ideal, eight section water boiler, grate 67 by 49, heat about 15,000 sq. ft. of glass, price \$225.00. The above boilers are guaranteed to be in good condition. We have other sizes and makes; write for prices.

PIPE CUTTERS Saunders, No. 1 cuts to 1 in. 90 c.; No. 2 cuts to 2 in. \$1.35.

STILLSON WRENCHES Guaranteed, 11 in., grips 1 1/2 in., \$1.05; 13 in., grips 2 in., \$1.40; 24 in., grips 2 1/2 in., \$2.10; 36 in., grips 3 1/2 in., \$4.20. Chain wrench grips, 6 in., \$3.75.

PIPE VISES Reed's Best Hinged Vise, No. 1 grips 2 in. \$1.75; No. 2 grips 3 1/2 in. \$3.50.

GARDEN HOSE 50 ft. lengths 3/4 in. guaranteed, 5 1/2 c.; for heavy work, guaranteed, 12 1/2 c.

HOT-BED SASH New; Gulf Cypress, 3 ft x 6 ft, 8 c.; glazed complete \$1.50 up. Second hand sash glazed, \$1.25, good condition.

GLASS "In lots of 10 boxes" New American, 50 ft. to the box, 10x12 single at \$1.80 per box, 10x12, 12x12, B double, \$2.20 per box, 12x14 to 12x20 and 14x14 to 14x20, 16x16 and 16x18, B double, \$2.40 per box, 16x20 to 16x24, 12x24, B double, \$2.52 per box. Discount in large quantities.

PECKY CYPRESS \$25.00 per 1000. We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO. Greenhouse Wreckers 1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

MAMMOTH VERBENAS Large plants, from soil, 60c. per 100, by mail; \$4.00 per 1000, by express. **PANSIES**, Giant Trimarcean, best mixed, transplanted plants, 50c. per 100; \$3.00 per 1000. **PANSIES**, extra large plants coming in bud, \$1.00 per 100. **SALVIA Splendens**, from soil, \$1.00 per 100. **GERANIUMS**, in bud and bloom, 4 in., Nutt, Double Grand, Poitevine, Mauud, Janin and White, \$5.00 per 100. **HILL TOP GREENHOUSES**, 15-16 Gray Ave., UTICA, N. Y.

FELTHOUSEN'S GERANIUMS

None better if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$1.80 per 100.
Beaute Poitevine, S. A. Nutt, La Favorite, John Doyle, Richard Brett, Ricard, Brant, general Grant, M. Canoyas, Jean Abund, Pasternak, Landy and several others.
FUCHSIAS, rooted cuttings, \$1.00 per 100, 2 1/2 in. pots, \$2.00 per 100.
HELLIOFROPLA, rooted cuttings, \$1.00 per 100, 2 1/2 in. pots, \$2.00 per 100.
COLEUS, rooted cuttings, 60c. per 100, \$5.00 per 1000.
AGERATUM, Stella Gurney, 60c. per 100 R. C. C. in. pots, \$1.00 per 100.
PERIWINKLE, 7 in., \$2.00; fine 4 in., 1.00 per 100.
LOREALIA, in. 1.00.
ALYSSUM, Carpet of Snow and others, 2 in., 1.00 per 100.
ENGLISH IVY, R. C. strong, \$2.00 per 100.
FEATHERFERN, in. about, \$7.00 per 100. Cash with order.

J. E. FELTHOUSEN, Schenectady, N. Y.

A FEW GOOD THINGS YOU WANT

Cash with Order.
Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.
Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.
ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.
Dracaena indivisa, 2 in., \$3.00 per 100.
FERNS, Scottii, 5 in., 30c. each.
GERANIUMS, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., \$1.25 per 100; Pot plants, 2 in., \$2.00; 3 in., \$4.00 per 100.
Trego, Castellane, Mauud, Janin, Poitevine, R. C., \$1.50 per 100; Pot plants 2 in., \$2.50; 3 in., \$5.00 per 100.
VINCA VAR., 2 in., \$2.00 per 100.
Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.
GLADIOLUS BULBS, mostly light colors, \$1.00 per 100.
REX BEGONIAS, 2 in., \$5.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

GERANIUMS 2 in. S. A. Nutt, \$2.00 per 100; rooted cuttings, \$12.00 per 1000; \$1.25 per 100. **VARIATED VINCA**, rooted cuttings, \$1.00 per 1000. Cash with order.

S. N. PENTECOST 1790-1810 East 101st St., CLEVELAND, O.

ROOTED CARNATION CUTTINGS

WINSOR, PINK IMPERIAL, 1.00
ENCHANTRESS, 1.00
BEACON, WHITE ENCHANTRESS, 1.00
VICTORY, WHITE PERFECTION, 1.00

COLEUS

VERSCHAELLETH and GOLDEN BEDDER, 1.00
FERNS
Scottii and Whitmanii, 1.00 per doz.
6 in., \$1.00 per doz.; 8 in., 1.00 each.

LARCHMONT NURSERIES, Larchmont, N. Y.

150 Norway Maples, 1.00
150 Norway Maples, 1.00
100 Rock Maples, 1.00
150 Arborvitae, 1.00
Norway Spruce, 1.00
Blue Spruce, 1.00

A. L. GILBERT,
40 Homer St., Springfield, MASS.
Your Money is well spent when you advertise in **THE FLORISTS' EXCHANGE**

SURPLUS LIST OF SHRUBS

for immediate effect. Shrubs must be sold this Spring on account of cleaning ground, and they are also too large to hold over. They are in excellent condition, clean, healthy and have good fibrous roots, strong and bushy.

	Height Feet	Each Whole Sale Price		Height Feet	Each Whole Sale Price
100 Dentzia crenata	2-3	25c.	50 Forsythia viridissima	3-4	25c.
300 " " "	3-4	30c.	475 " " "	4-5	30c.
235 " " "	4-5	35c.	100 Ligustrum Iboia	3-4	35c.
260 " " "	5-6	40c.	30 " " "	1-5	40c.
45 Dentzia gracilis	1-1 1/2	15c.	10 " " "	6-7	50c.
147 " " "	1 1/2-2	20c.	200 Lonicera Morrowii	3-4	35c.
298 " " "	2-2 1/2	25c.	175 Philadelphus coronarius	4-5	40c.
210 " " "	2 1/2-3	30c.	25 " grandiflorus	4-5	40c.
30 Diervilla (Weigelia) rosea	3-4	30c.	137 Spirea opulifolia	5-6	35c.
95 " " "	5-6	40c.	288 " " "	6-7	40c.
100 Forsythia Fortunei	4-5	30c.	327 " " aurea	5-6	35c.
150 " " "	5-6	35c.	177 " " "	6-7	40c.
94 " " "	6-7	40c.	200 Symphoricarpos Vulgaris	3-4	30c.

Prices F. O. B. Greenwich. Cash with order.

GREENWICH NURSERIES, Greenwich, Conn.
DEHN @ BERTOLF, Props.

Do Not Order Your Easter Advertising Matter Until You Have Examined Our Original

EASTER Announcements

SUCCESSFUL BUSINESS cannot be obtained without special endeavor. One's own personal efforts need backing and the most helpful backer is **WELL-DIRECTED ADVERTISING**, carefully selected and freely used.

For those florists who cater to the **EASTERTIDE TRADE**, we have prepared six graceful and attractive designs which we offer at a price that appeals to the user of good printing. We furnish **THESE EASTER ADVERTISING ATTRACTIONS** in the shape of small oblong four page folders, printed in the finest style and on the best heavy enamel paper, with the engraving covering the front page and the advertisement on the third page. A fine quality baronial envelope is included in the price.

Delivery is F. O. B. New York at the following prices:

100 Folders and 100 Envelopes	\$3.50
250 Folders and 250 Envelopes	6.00
500 Folders and 500 Envelopes	10.00
1000 Folders and 1000 Envelopes	18.00
Each additional 1000, at same order	15.00

Our orders for 500 or over customer may select two or more styles without extra charge. If interested and at once for a sample set of these Announcements. They are original designs, made expressly for the season of 1908, and will interest you. It only costs one cent to look them over.

We expect lots of orders for these Announcements, so would advise you to act promptly if you wish yours filled in good time. Address

A. T. De La Mare Ptg. & Pub. Co. Ltd. Post Office Box 1697
NEW YORK CITY, N. Y.

This is Design No. 2

Special Easter Advertising literature made to order. Let us know what you want and we will be glad to quote you. Time is passing; write now.

Publishers The Florists' Exchange

AMONG THE GROWERS

Anton Schultheis, College Point, N. Y.

A recent call at the establishment of Anton Schultheis, College Point, N. Y., revealed the fact that the preparation of flowering plants for Easter has been this year, as it has been in many years past, eminently successful, and a grand lot of stock awaits the oncoming rush which never fails to materialize at the Easter holidays.

Among the many good things seen here are several new roses, which give great promise for commercial purposes. Particularly would we refer to a variety named Flower of Fairfield; this is really an everblooming Crimson Rambler, and the trials so far have proved beyond a doubt that the word "everblooming" describes its character correctly. Another new rose is Apple Blossom, a variety of the polyantha type, with beautiful light pink flowers, carrying the fragrance of the apple blossom, which is a splendid grower and extremely floriferous. Hiawatha and Anny Müller are also offered, but, of course, the greater stock of plants prepared for Easter are of the better known sorts, such as Dorothy Perkins, Crimson Rambler, Lady Gay, Baby Rambler and others.

The way the roses have budded this year is something remarkable. Growers will remember that in 1907 a great many plants of the Rambler type came blind, probably due to the Autumn previous which was unfavorable for ripening the wood. No fault can be found with the way the plants have budded this year, however. Every shoot carries its cluster of buds, and the plants are as near perfection as it is possible to get them. Various methods of training have been used—some are in standard form, some in bush form; several in basket shape are very beautiful, and perhaps the most taking form of all are those which are trained into the shape of a spreading umbrella. Only a few of these were made as a trial, but the demand for them has proven that it is a popular shape, and more of them will be grown another year.

Lilies, as usual, are a prominent feature, and there are four houses of nice plants, with a good average of blooms per plant, and of a nice suitable height for any purpose desired. Azaleas have not been grown in quite as large numbers as has been usual for Easter sales. There is an excellent collection of plants in all sizes, however, among them being both pyramids and standards in addition to the regular commercial shaped plants. We noticed a new color among the azaleas—a variety labeled Emperence. The flowers of this plant are of a bluish-lilac, and to us it would seem that this color would become a favorite in the trade; it is very distinct from anything else, and still delicate enough in its tone to be very pleasing. Especially under artificial light do we think that the color will be effective. Other varieties in nice shape are Charles Encke, Firefly and VanderCruyssen.

The well-known yellow flowering plant, *Genista racemosus*, has been grown rather extensively, it being one of the subjects that always clear out well at Easter. These plants are in all sizes, from those in 5-inch pots upward, many fine specimens being seen among them. A nice collection of *Acacia paradoxa*, in specimen sizes, gives promise of being in nice shape for Easter, as also does a collection of the Spring favorite, *Boronia elatior*. *Ericas* are always a strong feature with Mr. Schultheis, and a splendid collection of the yellow variety *E. Cavendishiana* is in evidence. The pink varieties, *E. trauslucens* and *E. cupressina*, are grown in large numbers, and are in particularly fine condition—full of buds and just right for time. There is also a nice batch of the well-known favorite, *Erica melanthera*. *Rhododendrons* are not grown so extensively; still, there is quite a large collection of medium-sized plants of the best varieties. *Hydrangeas*, in both pink and blue-colored sorts, are coming along nicely, though the numbers grown are not equal to those used last year. A nice batch of orange plants of marketable sizes—some in full bloom, others carrying ripened fruit—are in evidence. *Spiræas*, principally of the Gladstone variety, are also a feature.

In bulbous flowers thousands of pots and pans of hyacinths in the best varieties, tulips, narcissus and lily of the valley are being brought in so as to be at their best at Easter. In decorative plants, palms, ferns and dracaenas in several varieties are grown quite extensively.

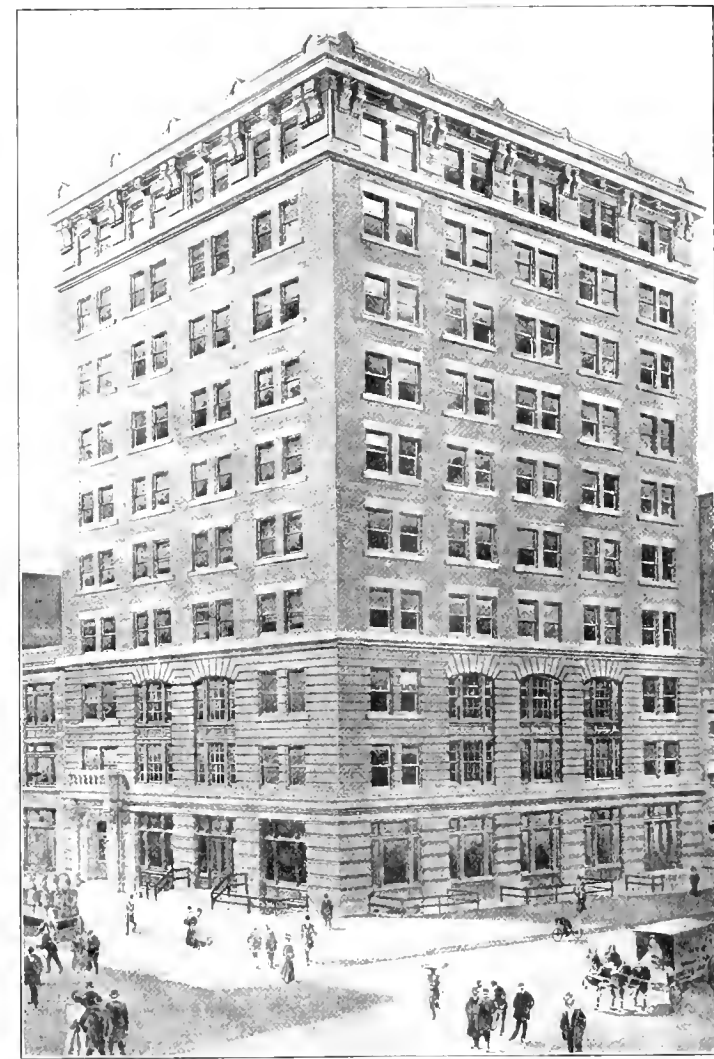
Mr. Schultheis added one new house last Fall, and believes for the present that he has glass enough. He is ably assisted by his son, Anton, who has now

become competent enough to act as foreman. It is twenty-two years since Mr. Schultheis established himself at this place, and every year has seen some addition to the plant, until at the present time he has one of the largest and best-known establishments in the vicinity of New York, with a shipping trade that reaches all over the country.

John Scott, Flatbush, N. Y.

John Scott at his establishment in Flatbush, N. Y., has again a very choice lot of lilies for Easter. Six houses in all are devoted to them, and in height, average of buds per plant and general thrifty appearance, they are indeed a grand lot. Whether Easter comes early or late, one will always at that time find a good collection of lilies in Mr. Scott's greenhouses. He has become an expert in this line, and it would seem that a failure with him is out of the question.

In addition to lilies he has coming along a nice collection of azaleas, also several benches of potted spiræas and genistas. Pot roses are grown only in moderate



The Fruit Auction Company Building, New York.

numbers; but big plants of the new Marguerite Queen Alexandra are quite numerous, and many of them should prove good sellers for Easter. There is quite a collection of hydrangeas that will be in good shape, which are nicely furnished plants of a ready selling size. *Gardenias*, as is well known, are grown very largely at this establishment, and there is an immense crop of buds coming along which will be just right for Easter. These should prove quite a hit, as it is not often that gardenias can be had in quantity at that time.

In decorative plants, which are also grown quite extensively here, there is a nice collection of aralias, which should prove quite desirable, with their dark and finely cut foliage. In variegated foliage plants, crotons in several varieties are grown quite largely, and many nice plants of the broad-leaved dracaenas are in evidence.

Nephrolepis Scottii continues as good a seller as ever, and an elegant line of plants of this well-known fern has been brought to perfection. Mr. Scott is also growing quite a collection of medium and large-sized palms, principally kentias, and a number of well-grown araucarias in suitable sizes for decorative work.

The Fruit Auction Company's Building, N. Y.

The building of which an illustration is herewith given, occupies the northwest corner of Franklin and Washington streets, New York City, about 90 feet on Washington street and some 87 feet on Franklin street. The main floor is devoted to exhibition purposes, and a smaller salesroom seating about 250. This arrangement provides an area of 67x90 feet for display purposes, being admirably adapted for plants.

The room is well lighted by numerous large windows of French plate glass, being lighted on three sides, and is provided with two entrances, one on either street, each with a five-foot stoop, thus allowing for the loading of four wagons at once. The lower floor is of precisely the same size and has four outlets to the street. It is well lighted and has a concrete floor, thus allowing for all watering necessary.

The main salesroom occupies the greater part of the second and third floors, being two stories in height. The seating capacity of this room (said to be the finest of its kind ever constructed) is about four hundred. The seats are each provided with writing desk attachment, and rise in tiers almost to the ceiling.

Three large high speed electric elevators are used to show samples, these being in full view of the entire audience, placed as they are directly in front of the auctioneer's rostrum. This room, too, is excellently lighted and on dark days large clusters of powerful incandescent lamps immediately over the elevators assure perfect illumination.

The display and salesrooms are finished in hard wood artistically trimmed with ash and are equipped with every modern labor-saving appliance.

It is the company's intention to make prompt delivery, and all the facilities afforded are calculated to be of the greatest value to buyers, as they can have their goods, if necessary, within a few minutes after buying.

The company renders a report of sales immediately after the auction, and that this will be of appreciable benefit to the growers and consignors is beyond question, as he or they will always be kept in close touch with the prevailing market conditions. On the day following remittance is made, together with complete account sales and full information regarding the sale.

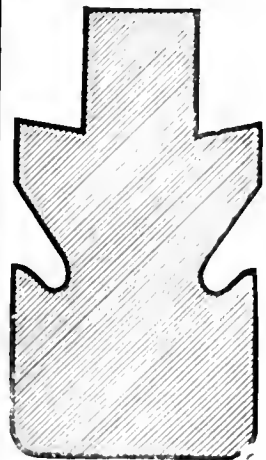
A seat for the consignor is provided on the rostrum, and from this point of vantage he can feel the pulse of the trade and note its tone generally.

The company will advertise thoroughly and sell at such hours as the trade demands, due notice being given. For the present, 8 a. m. will be the hour for beginning and it is one of the company's rules to begin all sales on time, so buyers may know that 8 o'clock means just 8 o'clock.

The location is most convenient for out-of-town buyers as well as those from local points. The landings of all the Hudson River boats are within a few blocks, as are many of the New England lines, and only a short distance away are the receiving stations of all the railroads.

The company, employing a large staff of courteous gentlemen and giving every consideration to the right of both buyer and seller, is convinced that upon these lines of fair dealing an important business in the horticultural field can be established, and is willing and anxious to receive suggestions from those most interested with the object of providing a permanent institution for the betterment of the business. Visitors are always welcome and, as there is much to interest and instruct, a call upon the firm is advised.

A KNOCKDOWN PLANT BOX.—The Scientific American describes this receptacle, invented by N. Hight, Wolfboro, N. H., as follows: "The body portion of the box is in sections separable from each other and from the bottom, means being provided for holding the parts closely assembled while the plants are growing in the box, which locking means can be cast off to provide for separation of parts and exposure of earth in which the roots are contained, enabling the plants to be removed and transplanted with their mother earth intact."



ORDER NOW

Everything at lowest prices.

Send for ours. Plans and information furnished upon request.

1781

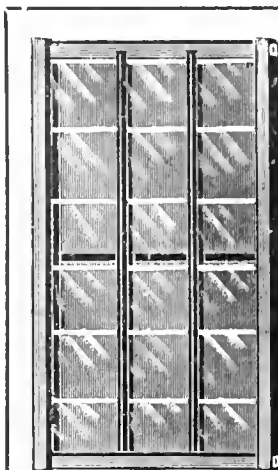
S. Jacobs & Sons
MANUFACTURERS OF GULF CYPRESS
GREENHOUSE MATERIAL
HOTBED SASH AND PUTTY
1365-1379 Flushing Avenue, BROOKLYN, N. Y.

1908

We Always Carry a Large Stock of

Glass, Boilers, Pipe, Fittings, Etc.

CATALOGUES ON APPLICATION



STOCK YOU NEED NOW.

DAHLIAS. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphaea, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty, \$5.00 per 100, Grand Duke Alexis and Kriemhilde, \$7.00 per 100.
BOSTON FERNS. Plants well established in 2 1/2-inch pots, \$4.00 per 100; \$30.00 per 1000.

BEGONIAS

Marjorie Dew, Thurstonl, Metallica, Rubra and Argentea Guttata, \$4.00 per 100.

BOUGAINVILLEA GLABRA SANDERIANA. 2 1/2-inch, \$4.00 per 100.

CALADIUM ESCULENTUM. 5 to 7 in., \$2.00; 7 to 9 in., \$3.00; 9 to 11 in., \$6.00.

ROSES for outdoor planting or growing in pots, strong 2 1/2 in. pot plants: Clothilde Soupert, Hermosa, Baby Rambler, Maman Cochet, White Maman Cochet, \$3.00 per 100; \$25.00 per 1000.

THE STORRS & HARRISON CO., Painesville, Ohio

ROBERT CRAIG & CO. ROSES, PALMS, CROTONS

CARNATIONS and Novelties in DECORATIVE PLANTS

Market and 49th Sts. PHILADELPHIA, PA.

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS' EXCHANGE.

CHRYSANTHEMUMS. Early flowering varieties, ready now, from 2 in. pots: William Simpson, Glory of Pacific, Polly Rose, Monrovia, Omega, \$2.50 per 100, Rosiere, \$3.00 per 100.
VIOLETS. Princess of Wales, thrifty plants from 2 1/2 inch pots, \$3.00 per 100. Hardy English (double purple), \$3.00 per 100.
PANDANUS UTILIS. Fine young stock for immediate sale or growing on, 2 1/2-inch, \$6.00 per 100; 3-inch, \$8.00 per 100; 4-inch, \$12.00 per 100.
KENTIA BELMOREANA. 2 1/2-inch pots, \$3.00 per 100; \$80.00 per 1000. 3-inch pots, \$14.00 per 100; 4-inch pots, \$30.00 per 100; 5-inch pots, \$50.00 per 100. Clean, cool-grown. Extra Value.
LATANIA BORBONICA. 3-inch pots, \$6.50 per 100; 6-inch pots, 5 to 6 leaves, 15 to 18 inches high, 60c. each.
GERANIUMS
Standard Geraniums, our choice of varieties, in red, pink, and white, \$2.00 per 100.
CANNAS
Strong 2 and 3 eye divisions, as follows: Allemania, Austria, Chas. Henderson, Fair Hope, Progression, Shenandoah, \$2.00 per 100; \$17.00 per 1000. Beate Poltevine, Crimson Bedder, Egandale, Florence Vaughan, Papa Nardy, \$3.00 per 100; \$25.00 per 1000. King Humbert, \$10.00 per 100.

ASPARAGUS Plumosus and Sprengeri, strong plants, 2 in. pots, \$2.25 per 100.
STOCKS, double white, in bloom, 6 in., 20c. each.
ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100.
GERANIUMS, double scarlet and red, \$1.75 per 100.
ARAUCARIAS, 20 in., four tiers, \$1.00.
HYDRANGEA Paniculata Grandiflora, 10 in., \$3.00; 18 in. to 24 in., \$6.00; 2 to 3 feet, \$8.00 per 100.
FERNS, Scottii, 4 in., 10c.; 5 in., 15c.
CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Huron, Italia, America, \$2.00 per 100.

J. H. DANN & SON WESTFIELD, N. Y.

HARDY FRUIT AND ORNAMENTAL TREES
Shrubs, Roses, Vines and Perennial Plants

MAY'S SEEDS For the NORTHWEST
FOR FLORISTS' TRADE. Write for price list.

We make a specialty of furnishing nursery stock to Florists for planting or supplying their trade, also seeds put up in packets or in bulk.

"MOST NORTHERN NURSERIES IN AMERICA"
L. L. MAY & CO., ST. PAUL, MINN.

ORCHIDS

We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices. Write us for information as to kinds and prices.
We have just received the following orchids: *Oncidium Tigrionum*, *O. Sarcoides*, *O. Forbesii*, *Sophronitis grandiflora* and *coccinea*.

LAGER & HURRELL, Summit, N. J.

ORCHIDS

We shall receive this Spring large quantities of imported ORCHIDS, namely: *Cattleyas*, *Dendrobiums*, *Oncidiums*, *Laelias*, *Vandas*, etc. Our facilities for handling large consignments are second to none. We have four collectors, including our Mr. Carrillo, who collect exclusively for us. Our quality and price are too well known to need further comment—a trial order will prove it.

Carrillo & Baldwin, Secaucus, N. J.

ORCHIDS

From **STANLEY & CO., Southgate, England**

The live people in this line and the largest importers in the Kingdom. Stock about 100,000 growing; importations constantly coming. Cut flower growers can do well with us. **WRITE.**

PANSIES

Giant flowering, none better, \$2.50 per 1000.
PAISIES, Bellis, in bloom, \$1.25 per 100, \$10.00 per 1000. Plants that will bloom soon, \$2.50 per 1000.
Stocks, *Verbenas*, *Salvias*, *Dusty Miller*, *Missouri*, single and double, fine plants, out of 2 1/2 in. pots, \$2.00 per 100; \$15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.
Sander, St. Albans, England
and
235 Broadway, Room 1, New York City

Imported ORCHIDS Just to Hand

LAELIA PURPURATA, CATTLEYA INTERMEDIA, CATTLEYA MOSSIAE

JULIUS ROEHRS CO.
The Orchid Nurseries, RUTHERFORD, N. J.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIERTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLOREST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLOREST CO., 1706 Broadway, J. A. Valentina, Preat. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 6297 Plaza.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

Preparing for Easter.

Holiday trade has often been called a gamble, and there is invariably much speculation as to what amount of business will be done; but it has been my experience for the last ten years that in spite of gloomy predictions and inclement weather conditions, the retailer has usually done better than he expected and every one has been satisfied. The present outlook is certainly not encouraging, to say the least; but neither was Christmas and many florists reported for that occasion an unusually large business. Easter may prove just as big a surprise, and whether or not we must prepare for the best.

From all indications stock will be better than ever before, with an abundant supply of everything, including the elusive lily. According to the New York Evening Journal the latter are to be especially abundant this season; the following notice appeared in the "pink tenth news edition":

"Fine Crop of Easter Lilies.—The news was brought from Bermuda to-day that the Easter lily crop, which failed last year and sent prices soaring, is this year a big success. The work of gathering the buds has begun, and the steamship Bermudian of the Quebec line will bring up on her next trip 10,000 boxes, each containing 125 buds." A million and a quarter lilies ought to "help some"; and if they have already started to gather them, the Bermudians must have the art of "pickling" down to a science, if the buds are to be in condition for Easter. We have still to hear from Japan.

The difficulty of creating novelties for the holiday trade seems to increase with every season. Baskets, pot covers, hampers in all their varying shapes and shades have been done, and done again, until every one is tired of them. There seems to be a general tendency to drift back to nature, and many customers prefer a plain pot, or the simplest kind of basket or pot cover. One of the leading florists' supply men in New York is making a specialty of rustic pot covers and hampers. The only materials being used are birch bark, willow in the green state, and a bark obtained from the far West, which is particularly adaptable to the making of rustic knock-knocks.

Specimen plants form a large percentage of the Easter trade nowadays, possibly because they are found to keep better than made-up pieces, where it is usually necessary to disturb the plants; but in spite of this, combinations of plants in attractive hampers and baskets are always popular with many of our customers. Color effects should be carefully studied in made-up pieces, and great care used in the selection of ribbon, and the color scheme of the basket. Gaudy baskets or hampers should be avoided, as they invariably detract from the plants and general effect, whereas carefully selected shades of ribbon will enhance rather than detract from the general effect. A green basket is always safe, but the shade of green is important; a dark color will give the



Japanese Air Moss in Swan Receptacle.



Japanese Air Moss as a Hanging Plant.

best results. Gilt baskets go very well with most plants, while white is always desirable for Easter. But, I think, the most pleasing effects are obtained with receptacles of the natural woods and various barks.

Made-Up Pieces.

The advantage of made-up pieces is that, while the plants may not be perfect specimens, if they are cleverly arranged and good taste displayed in the selection of the plants used better results may be obtained than with individual or specimen plants. It is not necessary, either, to utilize the most expensive plants for this work, as the clever use of cheaper or imperfect subjects will give just as good results.

The value of mixed ferns such as *Pteris tremula*, *P. cretica albo-lineata*, *P. cretica cristata*, *Adiantum cucullatum*, *A. Farleyense*, *Asparagus plumosus*, and *A. Sprengeri*, have been fully demonstrated, and they are becoming more popular every season; they help wonderfully to fill in bare spaces and to cover up the soil.

A good supply of sphagnum moss is indispensable for hamper work; it acts like a sponge, and will retain the moisture for a long while. Another great advantage is its lightness and cleanliness.

Most up-to-date florists use a metal lining for their hampers and baskets; this saves the baskets and plants and, incidentally, our customers' carpets.

A birch bark box, thirty inches long by ten wide, may be filled as follows: *Erica Cavendishiana* occupies the center, with lily of the valley in clumps on either side, with a fringe of *Nephrolepis Amerophili* around the edge; this may be tied with yellow or dark green ribbon. Low oval baskets are quite popular and make up well; these may be filled with low pink azaleas, dwarf hydrangeas, etc. *Azalea Vervaeckiana* by itself, with *Asparagus Sprengeri* or *plumosus* to fill in with, makes a fine effect. One of the handsomest pieces I have seen this season was a low gilt oval basket filled with the blue hydrangea, with a border of *Adiantum Farleyense* and lily of the valley; a more exquisite combination could not be imagined.

Crimson Rambler roses still hold a prominent place in the Easter business and always prove popular with the stronger sex. These plants are usually sufficient by themselves, but if you have some straggly plants they will look extremely well combined with Easter lilies or tall plants of spirea. The latter also look well with pink azaleas, or the pink Rambler roses.

Violets still retain their popularity; they appear to their best advantage in rustic willow baskets, and if you can obtain the baskets with the catkins still on them, it will add greatly to their appearance.

Gardenia plants are greatly in demand for Easter and some very fine pot plants are grown for this purpose. Several low gardenias planted in a basket, with violets below, tied with broad green ribbon, is very rich.

Flowering oranges will be seen a great deal for Easter, and should prove good sellers; the plants available are good specimens, full of flower, and their fragrance alone should be sufficient to commend them.

The leading stores will find it necessary to have a selection of orchid plants for fastidious customers, who are "tired of everything." Some nice plants of *Cattleya Schroedera*, *C. Trianae*, *Dendrobium Wardianum*, *Oncidium sarcoodes*, and a few other orchids in flower now, make a variety and add an air of superiority to the store.

D. RAYBUN.

SCOTT'S LILIES

Just as good as ever, and plenty of them.

Also a good line of other

Easter Flowering and Decorative Plants

JOHN SCOTT

E. 45th St. and Rutland Road

Flatbush

BROOKLYN, N. Y.

PREPARE FOR EASTER

Have lilies, the best in the land. The best in the land, the best in the land. Azaleas the finest colors to beat the land. To beat the land, to beat the land.



Prof. Walters, Empress of India (double variegated) Apollo (red) and about 4 more varieties. Prices: 60c. 75c. \$1.00 \$1.25 \$1.50 \$1.75 and \$2.00 each. Only large sizes of Bernard Andrew alba, at \$1.00, \$1.25, \$1.50 and \$2.00 each. In 6 in. pots and upward we can only supply Van der Cruyssen Verveneana, Deutsche Perle and Simon Mardner; other varieties 75c. \$1.00 \$1.25 \$1.50 to \$2.00. Easter Lilies, Japan Multiflorum, of our own importation, raised from best 19 in. bulbs obtainable. Have the best for this year we ever had any season; showing buds now, just right for Easter. Medium sizes 12 in. to 30 in., 10c. per bud for plants over five buds, and 12c. per bud for plants under five buds. About 5000 good plants to offer. Owing to fact that demand every year exceeds supply, kindly send order early as possible.

If you would know the fairest sight your eyes can ever see, Where the most perfect plants are grown, to Aachmann come with me; Why, ne'er since flowers began to bloom was such a glorious show. Of all the best that florists need, grand in one place to grow. The lilies are the very best yet seen on Easter Day; Azaleas are whole sheets of flowers, perfect in every way. The araucarias matchless are; so are the ferns all green. With bulbs and plumed spreas, the best you've ever seen. And Aschmann gives a challenge, let every florist bear. For flowers or prices either, no rival does he fear. If you wish to gather dollars, like violets in the Spring. Then send your largest order—his plants the cash will bring.

On account of their being so many diseased bulbs among those obtained from Japan, which have to be thrown out the cultivation of lilies is no longer profitable, therefore we ask our customers to order a reasonable amount of azaleas and other stock when ordering lilies.

Cineraria Hyb. Grandiflora, best improved strain, 5 in. \$2.00 per 100; 6 in., \$3.00-\$1.00-\$5.00 per doz.; right for Easter, in bud, partly in bloom now.

Hyacinths of my own importation, raised from first-class bulbs only. King of the Blues, dark blue; Giant Maitre, lavender blue, Gertrude, pink; La Grandis, white, 4 in. pots, \$12.00 per 100. My hyacinths cannot be compared with those raised from poor, cheap bulbs flooding the market.

Tourneal Tulips. This variety is the best double red and yellow variegated, and sells at sight. It is valuable because it will remain open in good condition for 10 days. Price, 3 bulbs planted in a 4 in. pot, \$1.50 per doz., or \$12.00 per 100 pots.

Von Zion Daffodils. This is the best double yellow narcissus on the market; good seller. 3 double-nosed bulbs planted in a pot, 5, 5 1/2 to 6 in. pots, price, \$2.00, \$2.50 to \$3.00 per dozen pots.

Moon Vines, or the well-known Ipomoea Multiflora, which produces flowers as big as a saucer, free bloomer, very fragrant, and for which I have a reputation as grower and shipper all over the country for the last twenty years, now ready, 2 1/2 in., \$5.00 per 100.

Araucarias Robusta, Compacta and Excolaa. A perfect marvel of nature. We are one of the heaviest importers and growers of this beautiful decorative plant, the Araucaria. Prices: 6-7 in. pots, 6-year-old, 4-5-6 tiers, 28 to 40 in. in height, the same in width, only \$3.00; 6-7 in. pots, 6-year-old, 4-5-6 tiers, 25 to 28 in. high, \$2.00 and \$2.50; 6-7 in. pots, 5-year-old, 3-4 tiers, 18 to 25 in. high, \$1.50 to \$1.75. Excolaa, 6 in. pots, 5-year-old, 5 tiers, 22 to 25 in. high, \$1.00; 6 in. pots, 4-5 tiers, 4-5-year-old, 18-20-22 in. high, 75c.; 5 1/2 in. pots, 3 to 4 tiers, 8-10-14 in. high, 50c. each.

Ferns. Raised in pots, not lifted from benches. Nephrolepis Scottii, 6 in. pots, 50c. to 75c.; 7 in. pots, \$1.00 each. Nephrolepis Piersoni, 5-5 1/2-6 in. pots, 35c. 40c., 50c.

Nephrolepis Bostoniensis, 8 in. pots, made up of three plants as big as a wash tub, \$1.25 to \$1.50; 7 in. pots, 75c. to \$1.00; 6 in. pots, 50c.; 5 to 5 1/2 in. pots, 30c., 35c., 40c.

Nephrolepis Whitmani, 8 in. pots as big as a wash tub, \$1.25 to \$1.50; 6 in., 50c. to 75c.; 4 in., 25c.

Ferns for Dishes, 3 in. pots, 7c. each. Amerpohli, the new lace fern, 5 1/2 in. pots, 50c. and 60c.

Kentia Forsteriana and Belmoreana, 4 in. pots, 8 to 20 in. high, 35c. to \$1.00; 5 1/2 in. and 6 in. pots, bushy, stocky plants, 50c., 60c. and 75c.

Lantana Borbonica, 5 in., 30c. Cocos Weddelliana, 3 in. pots, 10-12-15 in. high, 15c.

Ficus Elastica or Rubber Plants, home grown and Belgium stock, 18-20 to 40 in., 5-5 1/2 to 6 in. pots, 35c., 40c., 50c., 60c.; each; 7 in. pots, 75c.

Begonia Flambeau, sells at sight, 5 1/2 in. pots, 25c. Begonia, new improved Erfordi, 4 in. strong, 20c.; 5 1/2 in., 25c. each.

Primula obconica, in bloom, 5 1/2 in. pots, 25c. each. Cyclamen giganteum, in bud and bloom, 4 in. pots, 20c. to 25c. each.

Hydrangea Otakaa. This is the best pink variety, already in bud, just right for Easter, 4 to 7 in. pots, 25c., 50c., 75c., \$1.00 each.

Spiraea Gladstone. We offer only large stock. Our own importation, 6-7 in. pots, in bud now, just right for Easter, 50c. to 75c. each.

To save express charges, please mention if plants are to be shipped in or out of pots. Cash with order, please. Strictly no references can be investigated in such busy shipping seasons.

An immense stock of choice Easter Plants, blooming Easter week or earlier if desired, are now ready for immediate shipment.

Never mind about that nonsense hard time talk. Everybody wants plants for Easter. Wake up; open your eyes; success sure to come. Come and see our activity in shipping azaleas and other plants. Will you follow? Now is the time to order while our stock is large. All get served alike—the man who comes right here to the spot or the party who buys by mail. Don't forget, we have the best Azaleas and Lilies this year in the market, and no joke about it. Our reputation for Atlantic to Pacific in shipping Easter plants for the wholesale market the last twenty years is sufficient ground that we mean business, and have what we advertise.

Have Azalea indica to beat the hand. We take the lead in the American market for them. We never so nice as this year—good foliage well budded. We make a specialty of importing every year an immense stock of the choicest varieties, popular in America, grown under contract for us by an azalea specialist in Ghent, Belgium. If you need azaleas, do not look in vain around the country for bargains, but come or write direct to us. We will be able to supply you with the best obtainable for the American market, in medium sizes, full of buds, in good healthy condition, right for Easter.

All our azaleas are planted in 6 and 7 in. pots as soon as they arrive in October from Belgium. In justice to all our azalea buyers, we do not sell any in the Fall (having the best picked out for Fall trade), but keep them all for Christmas and Easter orders. We have a whole house full of Mme. Van der Cruyssen (best double pink) that makes you mouth water, all as round as an apple, covered with buds, 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75 and \$2.00 each. Next we have Simon Mardner (double pink), Vervaneana (rose variegated double), Deutsche Perle (white), Niobe (double white), Bernard Andrew alba (double white).

All goods must travel at purchaser's risk plants are to be shipped in or out of pots. Cash with order, please. Strictly no references can be investigated in such busy shipping seasons.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants.

1012 W. ONTARIO ST.

PHILADELPHIA, PA.

ASPARAGUS PLUMOSUS

CASH OFFER TO MAKE ROOM.

3 in. \$4.00 per 100, \$35.00 per 1000; 2 in. \$2.50 per 100, \$20.00 per 1000.

Cash With Order.

HUGH GRAHAM COMPANY, York Road & Loudon St., PHILADELPHIA PA.

THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

BULBS AND AZALEAS

In the best of shape for Easter. Order now; will ship when you want them. AZALEAS, 50c., 75c., \$1.00 each. TULIPS, all first size bulbs, in the best condition. La Reine, white shaded with rose; Arius, deep scarlet, very fine; Yellow Priocce, yellow; Cottage Maid, pink striped with white, at 3c. a flower. Kalserkroon, red and golden, bordered extra large, at 4c. The tulips run from 4 to 8 in. a pot. HYACINTHS, rose, white, blue, pink and purple, first size, 12c. each; second size, 10c. each. Von Sion, 3c. per flower. Cash.

All of the above bulbs were potted in the Fall and not boxed.

S.A. PINKSTONE, 20-22 Philip St., UTICA, N. Y.

BLOOMING PLANTS FOR EASTER

10,000 AZALEAS, just right. Never were better. Niobe, Van der Cruyssen, Empress of India, Verveneana, Fire Fly, etc., 50c., 75c., \$1.00, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00, \$3.50, \$4.00 and \$5.00 each. RHODODENDRONS, \$1.50 to \$3.00 each. SPIREAS, 25c., 35c., 50c. each. HYDRANGEAS, 50c. and up. BABY RAMBLERS, 5 and 6 in., 40c. and 50c. each. CINERARIAS, 25c. and 35c. each. GENISTAS, 35c. and up. HYACINTHS, \$1.00 per 100. HYACINTHS, first size, select, \$15.00 per 100. LILJUM GIGANTEUM, in pots, 15c. each. NARCISSUS, \$4.00 per 100, in pots and pans. TULIPS, \$5.00 per 100, in pots and pans. LILY OF THE VALLEY, \$3.00 per 100, in pots and pans. LILACS, \$1.50 each. Mount Troy, JOHN BADER ALLEGHENY, PA.

A RECORD TO BE PROUD OF

The Florists' Hall Association has paid 1,040 losses amounting to \$102,000.00 For particulars address

JOHN C. ESLER Saddle River N. J.

Plants for Easter

PRIMULA OBCONICA, 4 in.	Doz. 100	\$0.75 \$5.00
HYACINTHS, 4 in.		10.00
DOUBLE-NOSED DAFFODILS, 4 in., (3 bulbs to a pot)		12.00
ASPARAGUS Sprenger, 5 in.	1.50	
ASPARAGUS Sprenger, 3 in.	4.00	
CINERARIAS, 6 in.	2.00	
CINERARIAS, 4 in.	1.00	
SPIREA Compacta, 7 in.	4.00	
SPIREA Gladstone, 6 in.	5.00	
DAISY, Alexandra, 6 in.	3.00	
DAISY, Giant White, 6 in.	2.00	
DAISY, Giant White, 4 in.	1.00	
GERANIUMS, white and red, 5 in.	1.20	

J.S. BLOOM, Riegelsville, PA.

EASTER PLANTS

My Easter stock is in the best of shape. EASTER LILIES, 10c. a bud. HYDRANGEAS, 4 to 8 in. pots, 15c. to \$1.00. DAFFODILS, 6 in. pots, three double-nosed bulbs, 15c. TULIPS, 4 in. pots, Tournesol, red and pink, 12c. HYACINTHS, 4 in. pots, 12c. CRIMSON RAMBLER, American Beauty, La France, Frau Karl Druschki, Jacqueminot, Cochet rose plants, 4 to 6 in. pots, 25c. to \$2.00 per plant. GENISTA, 4 to 6 in. pots, 15c. to 30c. AZALEAS, 10 to 20 in. heads, 60c. to \$1.50 each. SPIREA, 6 in. pots, 35c. to 75c. per pot. Send in orders early and get first selection. Cash, please.

FRANK B. RINE, Lewisburg, Pa.

ROOTED CUTTINGS Prepaid per 100. Heliotrope, blue; German Ivy, 75c. Alternanthera best red and yellow, also Paronychoides Major, 5 c. \$4.50 per 1000. Fuchsia five best kinds, \$1.00, \$9.00 per 1000. Double Alyssum, 85c. Ageratum, Gurney and Pauline. Celosia, best bedders Verbena, four colors 80c. Salvia, Bonita and Spindlers, 85c. Verbena Seedlings Mammoth Mixed, 35c. per 100, \$3.00 per 1000. Forget-Me-Not blue, strong, wintered over plants, \$2.00 per 1000. Sweet Williams, double and single, wintered over, \$2.00 per 1000. Geraniums - var. dit., nice stock wintered over, \$3.50 per 1000. Cash. Shippensburg Floral Co., Shippensburg, Pa.

Prices Advertised in these Columns are for

THE FLORISTS' EXCHANGE

Easter Baskets.

In the making of baskets of flowers for Easter the chief aim of the florist should be simplicity of arrangement, combined with strict harmony in shades of color. The man who can give the true harmony of shading along with the free setting of the flowers is an artist. Of course, the predominating colors for Easter work are of the white shades, but they may be very properly combined with soft pink and deeper shades of such high-class flowers as cattleyas or other orchids. I have too often seen what would otherwise have been artistic designs spoiled by too many flowers being used and crowded so much together that no individuality was shown. It should be the aim of the florist to place every flower so that it will have a distinctiveness of its own. The accompanying illustrations from designs by Edward MacMulkim, Boston, Mass., show a simplicity of arrangement with so pleasing harmony of colors that stamps them at once as artistic and elegant.



No. 1.—The Easter Egg, half open. This design is practically all white and is tied with white ribbon at the top. The flowers are Roman hyacinths, about two dozen sprays being used, with a little stevia intermixed to give a greenish effect in order to harmonize with the Asparagus Sprengeri, which is freely used. [Note.—As stevia will not be available, a few spikes of mignonette, or sprays of eupatorium, may be substituted without marring the effect.]



No. 5 is a design of basket as the No. 4 design, although the flowers are of much more choice. About half a dozen white lilies are used together with about a dozen white lily of the valley and a few cattleyas. The ribbon used in this instance are of that soft pink which harmonize with the petals of the cattleyas.



No. 6 is an artistic little square basket opening at one corner; the flowers used are four cattleyas with a few sprays of Roman hyacinths and Asparagus plumosus. The handle of this basket, which is rather high, with square corners, is tied with delicate pink and white and pink ribbons.



No. 2 is a design which may not appeal to many, yet if this sort of design is artistically made there is a select trade which will call for it and it will be found very remunerative to the florist. The main part of the basket is filled with select fruit including apples, oranges, pears, figs, Muscat or other white and Black Hamburg grapes. A dozen white roses are used in this design, the handle of the basket being artistically tied with ribbon and artificial sprays of statice and wistaria to give a little coloring effect.



No. 4 This is a simple design, indeed, yet is it not elegant? It is a small basket containing a dozen and a half La Reine tulips, with a few sprays of stevia and asparagus. Nothing is put on the handle of this basket but the ribbon bows, which have a little green coloring in them to give effect. In place of the stevia, lily of the valley may be used with equally good results.



No. 3. This is a medium-sized basket containing extra choice flowers, white lilac, with a few sprays of stevia being used as the groundwork. Six or eight cattleyas, with their delicate pink color, are very imposing among the dozen and a half cypripediums used to give the peculiar greenish hue; a few La Reine tulips soften out the effect of the deeper-colored cattleyas. The handle is tied with soft pink and white ribbons, and a few artificial sprays of wistaria and green. No green is used in the basket except the foliage of the lilacs and tulips. Mignonette may be substituted for stevia and will produce an equally charming effect.

It will be seen that these baskets described contain comparatively few flowers yet they are neat and artistic, and so pleasing to the eye that they may at once be a charm to deliver to some friend in remembrance of Easter morning.

J. W. DUNCAN.

Japanese Air Moss.

The A. L. Randall Company, 19-21 Randolph street, Chicago, is handling large quantities of Japanese air moss, a pretty green fern-like moss which has been prepared for long keeping. The moss is used by retailers

very largely for filling vases, flower bowls, bric-a-brac, and other odds and ends entering into florists' window and store decoration. The company is exhibiting in its showrooms a fine line of small fancy baskets, swan bowls, and other pieces especially adapted for use with the moss.

Easter Lilies \$12.50 per 100
Superb Lily of the Valley
\$4.00 per 100

American Beauties,
Richmonds,
Killarneys,
Brides and
Bridesmaids

Violets,
Carnations,
Daffodils,
Tulips, Narcis-
sus, Hyacinths,
Sweet Peas,
and all seasonable flowers.
For Easter Decorations.

Southern Wild Smilax,
Laurel Festooning, Leu-
cothoe Sprays, Hardy Cut
Dagger and Fancy Ferns,
Bronze and Green Galax

ALL ORDERS RECEIVE PROMPT AND
PERSONAL ATTENTION

HENRY M. ROBINSON & CO.
Wholesale Commission Florists
15 FOWING STREET, 9 CHAPMAN PLACE
BOSTON, MASS.
Telephone Main
2017-2018

FLOWERING PLANTS

My stock was never finer; order quick

ACACIA PARADOXA, nice speci-
mens, \$5.00 to \$8.00 each.
AZALEAS, \$6.00, \$9.00, \$12.00,
\$15.00, \$18.00, \$21.00, \$30.00
and \$36.00 per dozen; larger
plants, \$5.00 to \$15.00 each.
Pyramids, \$1.00, \$5.00, \$6.00 and
\$8.00 each.
BORONIA ELATIOR, 4½ in.
pots, \$1.00 per dozen; 5½ in. pots,
\$12.00 per dozen; 6 in. pots,
\$18.00 per dozen; 6½ in. pots,
\$24.00 per dozen.
ERICA Cypressina, 4 in. pots,
\$4.00 per dozen.
Cavendishiana, 5½ and 6 in.
pots, \$18.00 per dozen.
Alba, 4 in. pots, \$2.00 per dozen.
GENISTA RACEMOSUS, 5½ in.
pots, \$6.00 per dozen, 6 and 6½ in.
pots, \$12.00 per dozen. Larger,
\$1.50 to \$2.50 each.
HYACINTHS, single, \$2.00 per
dozen; in pans, \$6.00, \$9.00, \$12.00,
\$18.00 and \$24.00 per dozen.
HYDRANGEAS, \$12.00, \$18.00
and \$24.00 per dozen, blue and
pink.
LILIES, \$12.00 per 100, flowers or
buds.
LILY OF THE VALLEY, in pans,
50c., 75c. and \$1.00 each.
ORANGES, fruited, \$18.00, \$24.00
and \$30.00 per dozen; large, \$5.00
and \$6.00 each.
ORANGE PLANTS, in bloom,
\$2.00, \$3.00 and \$4.00 each.
RHODODENDRONS, \$2.00 to
\$5.00 each.
ROSES, *Anny Muller*, \$9.00 to
\$12.00 per dozen.
Baby Ramblers, 5½ and 6 in.
pots, \$4.00, \$6.00, \$9.00, and
\$12.00 per dozen.
Crimson Ramblers, crowns,
\$2.50 to \$10.00 each.
Fan-shaped, \$2.00 to \$4.00 each.
Baskets, \$3.00 to \$6.00 each.
Umbrella-shaped, \$8.00 each.
SPIREA, \$6.00, \$9.00 and \$12.00 per
dozen.
Price list may be had on applica-
tion for **PALMS, DRACÆNAS,**
PANDANUS, FERNS, ARAU-
CARIAS, ASPARAGUS, AS-
PIDISTRAS, COCOS, CIBOTI-
UMS, BOXWOOD, BAY TREES,
CYCAS, FICUS ELASTICA,
LIVISTONAS, PHENIX, RA-
PHIS, etc.

ANTON SCHULTHEIS

COLLEGE POINT, N. Y.

GRAFTED ROSES

NOVELTIES

**MRS. JARDINE, RHEA REID, QUEEN BEA-
TRICE**,
The above, \$6.00 per doz., 50 plants for
\$18.00, \$35.00 per 100.
MY MARYLAND, 50c. each, \$5.00 per doz.,
\$5.00 per 100.
On own roots, 2½ in. pots, \$25.00 per 100,
\$2.00 per 10; 3 in. pots, \$5.00 per doz.
MRS. POTTER PALMER, \$3.00 per doz., \$17.50
per 100, \$125.00 per 1000.
NEW RAMBLER "NEWPORT FAIRY," For
delivery Spring, 1908. Well rooted plants
in 2½ inch pots \$1.00 each, \$9.00 per dozen,
\$50.00 per 100.

STANDARD VARIETIES

*Aurora, Betty, Boe Silene, Bride, Bridesmaid,
Enchanter, Etoile de France, Franz Deegen,
Gen. McArthur, Golden Gate, Hermosa, Ivory,
Kaiserin Augusta Victoria, Kate Moulton, Killar-
ney, La Detroit, Maman Cochet, Marechal
Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs.
Pierpont Morgan, Pape Gontier, Rosalind Orr
English, Richmond, Souv. du President Carnot,
Souv. de Wootton, Uncle John, Wellesley, White
Cochet.*

GRAFTED, 2½ inch pots, 20c. each, \$2.00
per doz., \$15.00 per 100, \$120.00 per 1000.

AMERICAN BEAUTY

Own root, 2½ inch pots \$8.00 per 100, \$75.00
per 1000, 3 inch pots \$12.00 per 100, \$100.00
per 1000. April, May and June delivery.

OWN ROOT ROSES

From 2½ inch pots, repotted from 2-inch.
*Kaiserin Augusta Victoria, Killarney, Bride,
Bridesmaid, Ivory, Golden Gate, Uncle John,
Richmond, Mme. Abel Chatenay, Aurora, \$1.00
per doz., \$6.00 per 100, \$50.00 per 1000.
From 2 inch pots ready for shipment, \$3.50
per 100, \$30.00 per 1000.*

CARNATIONS—Rooted Cuttings.

Windsor	100	1000
Rose Pink Enchantress	3.50	30.00
Enchantress	2.50	20.00
Queen Louise	2.50	20.00

From 2½ inch pots, add \$1.00 per 100.
White Enchantress, 3 in. pots \$7.00 per 100,
\$60.00 per 1000.

MISCELLANEOUS PLANTS

AGERATUM, *Stella Gurney, Princess Pauline.*
SALVIA *Splendens, S. Bonfire.*
HELIOTROPE.

Rooted cuttings 75c. per 100, \$6.00 per 1000.

A. N. PIERSON, - CROMWELL, CONN.
Commercial Violet Culture \$1.50
The Florists' Exchange, 2 to 8 Duane St., N. Y.

COLEUS

*Verschaffeltii, Golden Queen, Fire Brand, Lord
Palmerston, Queen Victoria, Beckwith's Gem.*
Prices of Rooted Cuttings by express, 50c.
per 100; \$5.00 per 1000. Less than 250 of a
variety will be charged at the 100 rate.
Golden Bedder, Hero, Messey, Pearl of Orange,
75c. per 100, \$6.00 per 1000. Less than 250
of a variety will be charged at the 100 rate.
Fancy Varieties. A very fine assortment of
twelve kinds not listed above; 75c. per 100,
\$6.00 per 1000. 250, in assortment, our selection,
at the 1000 rate.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS

From flats, \$10.00 per 1000.

CHRYSANTHEMUMS

Ready for Shipment.

*Virginia Poehlmann, Angele Laurent, Golden
Dome, Mile. Jeanne Rosette, Money Maker,*
From 2½ in. pots \$2.00 per doz.; \$10.00 per
100.

Mrs. Clay Frick, Zimmers Yellow, Mary Mann,
From 2½ in. pots \$1.00 per doz.; \$6.00 per
100.

Rooted Cuttings, \$5.00 per 100.
CHOICE POMPONS, *Klondyke, Quinola.*
CHOICE SINGLE VARIETIES, *Kitty Bourne,*
Mrs. Roberts, Amorita.
From 2½ in. pots, \$1.00 per doz.

STANDARD VARIETIES

WHITE—Early: *George S. Kalb, Polly Rose,*
Early Snow, October Frost. Mid-Season:
Clementine Tanset, White Shaw, Mrs. H.
Robinson, Beatrice May, Merza, Niveus,
Queen, Alice Byron, Eureka, Miss Minnie
Wanamaker, Adella. Late: *Mrs. McArthur,*
Timothy Eaton, W. H. Chadwick, Merry
Christmas.

PINK—Early: *Gloria of the Pacific, Rosiere,*
Mid-Season: J. K. Shaw, Adela, A. J. Ruffour,
William H. Duckham, Dr. Enguehard, Morton
F. Plant, Late: Mand Deno, The Harriott,
Mayor Weaver, Mrs. James Marshall.

YELLOW—Early: *Monrovia.* Mid-Season: *G.*
Pitchee, Col. D. Appleton. Late: *Major*
Bonneffon, Golden Wedding, H. W. Reiman,
Yellow Eaton.

RED—*Cullingford, Mersthom Red, Matchless.*
BRONZE YELLOW—*Mrs. William Duckham,*
Old Gold.

POMPONS—*Baby (Yellow), Lula (White),*
Trilolas (Pink).
From 2½ inch pots; 5c. each, 50c. per dozen,
\$3.00 per 100, \$25.00 per 1000.

Rooted Cuttings: \$2.00 per 100, \$15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.
CABBAGE PLANTS
Jersey Wakefield, ready for field, \$1.25 per
1000. Tomato, all kinds, \$1.50 per 1000.

The Superiority of

THE BOSTON VIOLET

Over all other varieties has been demonstrated by the facts
that it has been awarded

A First Class Certificate of Merit by the Massa-
chusetts Horticultural Society.

A Report of Superior Merit by the Gardeners and
Florists' Club of Boston.

A Silver Cup by the Boston Co-operative Flower Grow-
ers' Association.

THE REASON

It is the **largest**, the most **fragrant**, it has a **pleasing
color**, is the **strongest grower**. It is **easily grown**
and is in crop from September to May.

Distribution will commence in April. **Order now.**

Prices, \$2.00 per 12; \$12.00 per 100; \$100.00 per 1000.

WILLIAM SIM, Cliffondale, Mass.

ASPARAGUS, BOSTONS, AZALEAS

Plumous Nanus, 2½ in., \$3.50 per 100,
\$30.00 per 1000; 3 in., 6c.; 3½ in., 10c.; 4
in., 12c.; 5 in., 20c.; 6 in., 30c. **Comorensis**,
2 in., 2c.; 2½ in., 3c.; 3½ in., 6c.
Sprengerii, 2½ in., 3c.; 3½ in., 8c.; 4 in.,
10c.

Bostons, 2½ in., 4c., 3 in., 8c., 6 in., 40c.;
7 in., 65c.; 8 in., \$1.00 to \$1.50; 10 in.,
\$1.50 to \$2.00.

Azaleas. We are now booking orders for
delivery. Our stock is the best in the West.

Phones: Bell, Forest 1453. Kueloch, Delmar 474 L.

Greenhouses at Clayton, Mo. **J. W. DUNFORD, Kings Highway and Page Bld., St. Louis, Mo.**

VIOLETS

VIOLETS—VIOLETS

Marie Louise, ready August 1st, clean and
healthy in every particular, 3 in. pots \$6.00
per 100. Cash with order.

W. M. J. CHINNICK, TRENTON, N. J.

Princess of Wales, the only single vi-
violet growing. My necessity is your
opportunity. To move immediately my
if well rooted divisions will sell at a
gain. Write for cash prices at once.
ALBION D. EMERSON,
R. F. D., WESTVILLE, N. H.



D. F. Simonds.

D. F. Simonds.

D. F. Simonds, a Chicago florist, senior member of the Ogden Floral Company, was born in Buffalo, N. Y., November 12, 1848, and is accordingly now in his sixtieth year. He entered the florist business at the early age of eight years, at a two dollars a month consideration, which was gradually increased to four times that amount. In the early sixties, at the age of fourteen he enlisted as a drummer boy in the Seventy-fourth Regiment, N. Y. S. Infantry. In 1869 he drifted into Chicago as a deck hand on the old steamer Pittsburg, and shortly afterward entered the employ of the late Justice Calvin De Wolf as a gardener, later going into the theatrical business and acting as advertising agent for Powers' theater and subsequently traveled with several combinations, including Collier's, Bailey's, Annie Pixley's and Maggie Mitchell's. In 1892-3 during the World's Fair in Chicago he had charge of the decorations on the Wooded Island and of the State buildings. After a few years in politics he re-entered the florist business at 848 Harrison street under the firm name of the Ogden Floral Company, where he has built up a successful business.

Mr. Simonds is prominent in fraternal organizations being a member of Lodge No. 643 Corinthian Chapter R. A. M., No. 69 Columbia Commandery, No. 63 K. T., Tyrian Council, No. 78 R. and S. M.

Aryan Grotto No. 18 M. O. V. P. E. R. Illinois Masonic Veterans' Association, Order of Owls, Medina Temple, A. A. O. U. M. S. Mystic Shrine, Red Men, Chicago Lodge of Elks, and several other orders.

The accompanying beautiful Mystic Shrine design was recently made by Mr. Simonds's firm.

A Popular Boston Flower Store.

The store of Henry Penn on Bromfield street, Boston, Mass., is one of the most popular in the downtown district. It is now seven years since Mr. Penn established himself at the present location having previously been located on Province street for a number of years. Last Fall Mr. Penn had his store thoroughly overhauled and improved so that the interior decorations and facilities are up-to-date in every way. It is not in the store alone, however, that this florist believes in keeping up with the times, but his delivery wagons speak for themselves, as the one herewith illustrated will show. The establishment at all times is a place of activity, a first-class trade being enjoyed both in Boston and in the surrounding district.

There are two brothers, Henry and William, and they are popular in the trade. They are both members of the Gardeners and Florists' Club and are ever ready to contribute to its welfare.

J. W. DUNCAN.

Planting and Care of Geranium Beds.

(Read before the Grand Rapids Florists and Gardeners' Club by N. B. Storcr.)

The geranium still leads all other plants for bedding. Its period of blooming is from early Spring until the snow flies, and no other variety of plant will stand so much abuse and still grow and send up large clusters of flowers, bidding defiance to their neglected treatment. On the other hand, if in a good location, in a moderately good soil and given fair treatment, geraniums will respond with the greatest profusion of handsome trusses the entire Summer.

There are a great many varieties at the present time which are all splendid bedders. The old single sorts, which were used so successfully from 15 to 25 years ago, such as General Grant, Queen of the West, Rev. Atkinson and General Sheridan, have been superseded by such grand varieties as S. A. Nutt, introduced by the veteran florist, John Thorpe, at Cleveland, O., about 1878; Alphonse Ricard, John Doyle, Marquis de Castellane, Beaute de Poitevine, Jas. Vick, Frances Perkins, Pink Bedder, Double General Grant, and many others.

The first thing to be considered for a geranium bed is the location, which should be the brightest and sunniest spot available. Many times I have been called upon to plant a bed of geraniums, and on arrival found that no preparation whatever had been made to receive the plants; and I will say right here that everyone contemplating setting out any variety of plant should have everything in readiness, beds all spaded and raked a little higher in the center so as to drain off all surplus water; that the plants can be put at once. It is the duty of the florist who is to do the planting to first see that a proper location has been selected and prepared to receive them, for in the height of the bedding season time counts.



Mystic Shrine Design.

Artists, Ogden Floral Co., Chicago.

In cities where a large amount of bedding is done, it is a very good plan to send a man around beforehand to see that the beds are spaded and raked ready to receive the plants.

After the location has been decided upon the next thing to be considered is the soil, which should be a good clay loam and not too rich; say about one-sixth good well-rotted stable manure. If the soil is too rich it will induce a long, spindly growth, and very few flowers; while, on the other hand, with short stocky growth, they will bloom more profusely. As the main object in view is flowers, everything should be done to make these and not growth, and the proper way to do this is to keep the plants at all times a little on the dry side. Never let any water get on the flowers, if possible to avoid it. Watering is one of the most essential things in properly caring for geraniums. As a rule, almost everyone seems to think that in order to get flowers, the plants must be soaked every day; but such is not the case. One or two good waterings a week will be sufficient to induce the plants to throw up flowers instead of long, lanky growth.

If the foregoing brief cultural directions are carried out, the plants will remain healthy and give a profusion of flowers the entire season.



Delivery Wagon of Penn, Boston Florist.



Interior of Store of Penn, Boston Florist.

AT AUCTION!

BEGINNING

Wednesday, April 1, 1908

AT 8 A. M.

AND THEREAFTER EVERY DAY AT THE SAME HOUR UNTIL FURTHER NOTICE.

We will offer at Public Auction (^{Positively}_{Without Reserve}) A Complete Assortment of

PLANTS

Bedding, Decorative,
Hardy, Herbaceous.

PALMS

Including Kentias,
Latanias, Araucarias,
Cycads, Etc.

Special Facilities
assure buyers of
Prompt Delivery.

TERMS CASH.

BULBS

Every Variety for
Spring Planting.

Packing and Cartage at Cost.

The plants to be offered at these sales are the product of many of the leading growers, and will be offered in lots TO SUIT THE WHOLESALE TRADE.

Remember The Day, The Date and The Place

THE FRUIT AUCTION CO.

P. O. Box 640. Cor. Franklin and Washington Sts., New York

Are You Interested in the New Single 'Mums?

My list gives you a choice of 70 varieties. Varieties now ready are **KATIE COVELL, ROB ROY, HELEN TOTTY, HAROLD BISHOP, MRS. UNTERMEYER**, etc., all at **\$2.00 per dozen; \$15.00 per 100**, 2 1/4 in. pots. Buy now and increase your stock.

Chas. H. Totty, Madison, N. J.

Chrysanthemum Rooted Cuttings

MONROVIA, MAUD DEAN and J. NO-NIN. Rooted Cuttings for March delivery. \$1.50 per 100.

ANTON C. ZVOLANEK,
BOUND BROOK, N. J.

Rooted Chrysanthemum Cuttings

GLORY OF THE PACIFIC, POLLY ROSE, ADA BYRON, KALB, HALLIDAY, HARRY SINCLAIR, BONNAFFON, \$1.50 per 100.

FAIR MAID CARNATION CUTTINGS, \$1.00 per 100; \$5.00 per 1000.
H. F. Littlefield, 552 Main St., Worcester, Mass.

CHRYSANTHEMUMS

White Dackham, White Shaw, White Jones, Ivory, Eaton, Faust, Amorita, Monrovia, John Burton, Helen Frick, October Frost, Yellow Eaton, Yellow Jones, Baby, etc., \$1.50 per 100, rooted; 75c. for unrooted cuttings, to order. Cash please.

Henry Eichholz, Waynesboro, Pa.

CHRYSANTHEMUMS

For Every Purpose. A card will bring our Illustrated 1908 Catalogue.

ELMER D. SMITH & CO., Adrian, Mich.
Successors to Nathan Smith & Son.

CYCLAMEN

Splendens Gigantum Hybrids. Finest strain in the world, perfect flowers of Giant type in five true colors, twice transplanted from flats, \$2.00 per 100, \$25.00 per 1000; plants from 2 1/4 in. pots, \$5.00 per 100, \$45.00 per 1000.

CANNAS

Alphonse Bouvier, Florence Vaughan, Chas. Henderson, Chicago, Papa, Eganade, J. D. Cabos, Queen Charlotte from 3 in. pots, \$4.50 per 100, \$40.00 per 1000; started from sandbed, \$3.00 per 100, \$25.00 per 1000.

GERANIUMS

S. A. Nutt, John Doyle, Castellane, Beante Poitevine, E. G. Hill, Mme. Landrey, Mme. Janlin, La Favorite, etc., first-class grown stock in bud and bloom, from 4 in. pots, \$6.00 per 100.

CINERARIES

Hybrida maxima grandiflora from 2 1/4 in. pots, \$2.50 per 100; from 3 in. pots, \$4.00 per 100.

SATISFACTION GUARANTEED

PAUL MADER, East Stroudsburg, Pa.

PLANTS FOR 2cts.

Asparagus Sprengeri, 2 in., 2c. Swainsona alba, 2 in., 2c. Impatiens, Feverfew, Heliotrope, Cuphea, Coleus, White Ageratum, 2 in., 2c. Rose Geraniums, 2 1/2 in., 2c. FEVERFEW, double white, nice young plants, 75c. per 100.

SINGLE HOLLYHOCKS, field, 2 1/2c. ASTERS, earliest, 3 colors, 49c. per 100.

Rooted Cuttings

Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c. Heliotrope, 3 kinds, \$1.00; Vinca Variegata, 5c. Fuchsia, 5 kinds, \$1.25. Paris Daisy, yellow and white, \$1.00; Flowering Begonias, \$1.25. Coleus, 10 kinds, 50c. Ageratum, lumbiculate, white, 60c. Alternanthera, 3 kinds, 50c. Salvia, Bonfire, 90c. Feverfew, Gem, \$1.00, Impatiens, \$1.00, Parlor Ivy, 75c.

Cash or C. O. D.

BYER BROS., CHAMBERSBURG, PA.

CHRYSANTHEMUMS

Rooted Cuttings Now Ready
WHITE—Timothy Eaton, Mrs. Geo. S. Kolb, fine early; Estelle, White Bonaffon, Alice Byron, Ivory, C. Tonset, Jeanne No-nin, October Frost. PINK—Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere. YELLOW—Major Bonaffon, Yellow Eaton, Cremo, Robt. Halliday, Yellow Jones, "Baby," small yellow, \$2.00 per 100; \$15.00 per 1000. Cash with order.
WILLIAM SWAYNE, P. O. Box 226, Kennett Sq., Pa.

CARNATIONS

From sand April 1st. Net per 100
600 Queen \$1.75
250 Harlowarden 1.75
1200 Genevieve Lord 1.75
From 2 1/4-inch pots early in April.
1800 Genevieve Lord 2.00
(800 ready now)
400 Aristocrat 6.00
3000 The Queen 2.00
500 Harlowarden 2.00
900 Prosperity 2.00

THE H. WEBER & SONS CO., Oakland, Md.

White Enchantress	100	1000
Winsor	6.00	60.00
Beacon	5.00	50.00
Rose Pink Enchantress	3.00	25.00
White Perfection	3.00	25.00
Enchantress	2.60	22.50
Lady Bountiful	2.50	20.00

Healthy Rooted Cuttings.
SCRANTON FLORIST SUPPLY CO., Scranton, Pa.

CARNATION CUTTINGS AND PLANTS

ONLY THE BEST VARIETIES
SEND FOR OUR LIST
Chicago Carnation Co.
A. T. PYFER, Mgr. JOLIET, ILL.

JOHN E. HAINES BETHLEHEM, PA.

Is the place to order rooted cuttings of the following varieties for 1908:
John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000.
Place orders early for December delivery.

CARNATIONS

ROOTED CUTTINGS of all the new and standard market varieties. Send for price list.
WM. SWAYNE
BOX 226 KENNETT SQUARE, PA.

CARNATIONS

White Enchantress, Beacon, Winsor
Now Ready. Strong rooted cuttings. \$6.00 per 100, \$50.00 per 1000.
S. S. SKIDELSKY
1741 No. 18th St., PHILADELPHIA

Carnation Cuttings

At Stock. Must make room. Queen Louise and Harlowarden, \$7.50 per 1000. Cash with order please.
JACOB KOL, Florist, East Nutley, N. J.

THE NEW LIGHT PINK CARNATION MAY

You will find in this variety one which you will want to grow in large quantity after you give it a trial. It is one of the few varieties which come in early and keep continually at it until transplanting time. The color is better than Enchantress and the bloom is better than Fair Maid and it is freer than either of them.

We are now sending out fine, strong, well-rooted cuttings. Let's have your order now. \$12.00 per 100; \$100.00 per 1000.

Also other new and standard sorts. All the best varieties at current prices. Our stock is in prime condition.

BAUR & SMITH

38th St. & Senate Ave., - - - INDIANAPOLIS, IND.

Strong, Well Rooted, Healthy Carnation Cuttings

Imperial Var.	100	1000	The Queen	100	1000
Winsor	\$5.00	\$50.00	Boston Market	1.80	15.00
Aristocrat	6.00	50.00	Abundance	1.80	15.00
Victory	5.00		Lawson Pink	1.80	15.00
Robert Craig	3.00	25.00	Goethe	1.80	15.00
Manley	2.50	20.00			
	1.80	15.00			

If more than 1000 wanted write for reduction.

C. F. BERTANZEL, - Roslyn, L. I.

Strong Well Rooted Carnation Cuttings

Ready for immediate shipment

ENCHANTRESS	Per 100	Per 1000	VICTORY	Per 100	Per 1000
MRS. T. W. LAWSON	\$1.75	\$15.00	ARISTOCRAT	6.00	50.00
BOSTON MARKET	1.50	12.00	WINSOR	6.00	50.00
ROSE PINK ENCHANTRESS	3.00	25.00	WHITE ENCHANTRESS	6.00	50.00

List of novelties and other leading standard varieties sent on application

A. F. LONGREN, - DES PLAINES, ILL.
SATISFACTION GUARANTEED

CARNATIONS ROOTED CUTTINGS GERANIUMS

Ready April 14.	Per 1000	Ready now.	Per 1000
Winsor and Beacon	\$40.00	Nutt, Perkins, Buchner and Doyle	\$10.00
Pink Imperial, Aristocrat	30.00	Vnaud, Poitevine, Castellane and Ricard	12.50
Enchantress, J. Haines	12.50	Good strong well rooted cuttings as good as some pot plants.	
White Perfection	20.00		
Pink Patten	10.00		
Victory	20.00		

ASPARAGUS PLUMOSUS ready for three-inch at \$30.00 per 1000.
SMILAX and Sprengeri ready June 1, at \$15.00 per 1000.
ALBERT M. HERR, - LANCASTER, PA.

Pansy Plants Geraniums

Giant Flowering, \$2.50 per 1000	Per 100	10 Var. 2 1-2 in. pots, \$25.00 per 1000	Per 100
ALTERNANTHERAS, Red, Yellow, April 10	2.00	10 Var. 3 in. pots, April 1	4.00
COLEUS, 10 Var. 2 1-4 in.	2.50	ROSE GERANIUM	2.00
VINCA VARIEGATED, 2 1-4 in.	2.50	DOUBLE PETUNIAS, April 1	3.00
VERBENAS, April 15	2.00	ASPARAGUS PLUMOSUS, April 1	2.00
CANNAS, C. Henderson and eight other varieties, dry bulbs	2.00	ASPARAGUS SPRENGERI, April 1	2.00
		CENTAUREA GYMNOCARPA, Apr. 16	2.00

JOS. H. CUNNINGHAM, Delaware, Ohio

CARNATIONS HEADQUARTERS

In Western New York

WINONA. The true pink.	\$12.00 per 100; \$100.00 per 1000.
Red Chief	100 1000 \$5.00 \$40.00
Aristocrat	6.00 50.00
Winsor	6.00 50.00
Beacon	6.00 50.00
White Perfection	3.00 25.00
Rose Pink Enchantress	3.00 25.00
Enchantress	3.00 25.00
Lady Bountiful	3.00 25.00

F. DORNER & SONS CO. LAFAYETTE, IND.

VIOLET CULTURE
Price, \$1 50 Postpaid
A. T. De La Mare Ptg. & Co. Ltd., New York

WHITE BROS. GASPORT, N. Y.

Rooted CARNATION Cuttings

CUTTINGS are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

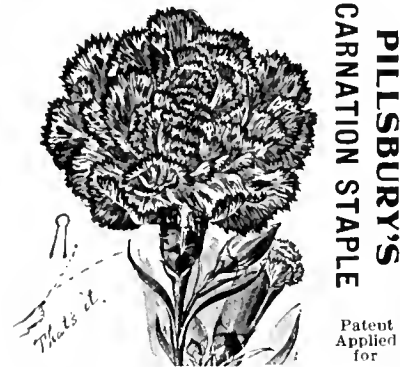
WHITE:	100	1000
WHITE PERFECTION	\$3.00	\$25.00
WHITE LAWSON	2.00	18.00
QUEEN LOUISE	2.00	18.00
PINK:		
WINSOR	6.00	50.00
ARISTOCRAT	6.00	50.00
PINK IMPERIAL	6.00	50.00
ROSE PINK ENCHANTRESS	3.50	30.00
ENCHANTRESS	2.50	20.00
HELEN GODDARD	2.50	20.00
LAWSON	2.00	18.00
RED:		
BEACON	6.00	50.00
VICTORY	3.00	25.00
ROBT. CRAIG	3.00	25.00
CRIMSON:		
HARLOWARDEN	2.00	18.00
VARIEGATED:		
MRS. PATTEN	2.50	20.00

Add \$1.00 per 100, \$10.00 per 1000, to above prices for 2-in. pot plants.

RECENT INTRODUCTIONS

AFTERGLOW \$12.00 per 100
 LLOYD (from 2-in. pots)
 "SPLENDOR" (Stevenson Bros.), a very promising variety, \$10.00 per 100; \$75.00 per 1000. Prompt delivery.

S. J. REUTER & SON, Inc., Westerly, R. I.



The best, cheapest, quickest, simplest and easiest way to fix your Split Carnations. No tools required.

Only 50c. per 1000, postpaid

I. L. Pillsbury
 Florist GALESBURG, ILL.

GERANIUMS

2 in. pots. S. A. Nutt, John Doyle, A. Kleard, Buchner, Castellane, Jean Viaud, and Beaute Poltevine, \$15.00 per 1000.

COLEUS

Golden Medler, Crimson Verschaffeltii and fifteen other variettes, R. C., 50c. per 100; \$5.00 per 1000.

AGERATUM, Stella Garney	\$0.50	\$1.00
SALVIA Bonfire	1.00	2.00
SWEET ALYSSUM	1.00	2.00
HELIOTROPE, dark	.75	2.00
FUCHSIAS	.75	2.00
PEPEREW, double white		2.00
ASPARAGUS PLUMOSUS Naana and Sprengerl, 3 in. pots, \$4.00 per 100, and Cash with order.		

ERNEST HARRIS, Delanson, N. Y.

CARNATIONS

White Enchantress	100	1000
Rose Pink Enchantress	\$5.00	\$45.00
Enchantress	2.50	22.50
Victory	2.00	18.00
Harlowarden	2.25	20.00
Harlowarden	1.50	15.00

Prosperly and Gaethe, rooted, to order. Strong, undivided DAHLIA CLUMPS.

White Swan	Per 100	\$5.00
Prince Blamarek		6.00
Clifford Brutia		5.00
Glawag Coal		5.00

KRAMER BROS, FARMINGDALE, L. I., N. Y.

CARNATIONS ROOTED CUTTINGS

The Queen, Best com. white	10	100	\$1.50	\$12.50
Harlowarden, Best crimson	1.50	12.50		
Mrs. Patten, Best Var.	2.00	18.00		
Lady Bountiful	3.00	25.00		
Enchantress	2.50	20.00		

S. G. BENJAMIN, FISHKILL, N. Y.

THE NEW CARNATION Afterglow

Winner of the following prizes at the Washington Exhibition of the A. C. S. held last week:

The A. C. S. Silver Medal.
 The S. A. F. Bronze Medal, for best 100 blooms of Law-son shade of pink. Also awarded
GOLD MEDAL by the Rhode Island Horticultural Society at Providence, Nov., 1907. (Exhibited by Wm. Nicholson)
FIRST PRIZE by the St. Louis Horticultural Society at St. Louis, Mo., Nov., 1907. (Exhibited by E. G. Hill Co.)
SCORED the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S., Jan., 1907, after arriving 24 hours late from Framingham, Mass.
ASIDE from these honors, the fact that it has been grown successfully wherever it has been tried, is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation, for well grown, well rooted cuttings at **\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000.**
WILLIAM NICHOLSON, THE E. G. HILL CO., Framingham, Mass. Richmond, Ind.
DAILLEDOUZE BROS., R. WITTERSTAETTER, Flatbush, Brooklyn, N. Y. Originator, Sta. F. Cincinnati, O.
CRAIG SILVER CUP by the Pennsylvania Horticultural Society at Philadelphia, Nov., 1907. (Exhibited by Dailledouze Bros.)
FIRST PRIZE by the State Florists' Association of Indiana at Indianapolis, Nov., 1907. (Exhibited by the Originator)

DEFIANCE

JENSEN & DEKEMA,
 674 W. Foster Ave., CHICAGO

The only scarlet to grow for both quality and quantity. Let us have your order at once so as to secure early delivery.
\$12.00 per 100. \$100.00 per 1000.

W. N. RUDD,
 MORGAN PARK, ILL.

ROOTED Carnation Cuttings

PINK	100	1000
ARISTOCRAT	\$6.00	\$50.00
WINSOR	6.00	50.00
ROSE PK. ENCHANTRESS	3.50	30.00
ENCHANTRESS	3.00	25.00
LAWSON	2.50	20.00
JOOST	2.00	15.00
WHITE		
WHITE PERFECTION	3.00	25.00
LAWSON	3.00	25.00
QUEEN	2.00	18.00
BOSTON MARKET	2.00	18.00
LOUISE	2.00	18.00
LT. PEARY	3.00	25.00
BOUNTIFUL	2.50	20.00

RED		
BEACON	6.00	50.00
VICTORY	3.00	25.00
ROBERT CRAIG	3.00	25.00
FLAMINGO	2.50	20.00

MISCELLANEOUS		
PATTEN	2.50	20.00
HARRY FENN	2.50	20.00
HARLOWARDEN	2.50	20.00

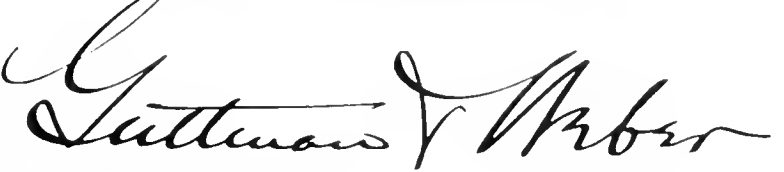
Stock guaranteed. Prompt deliveries.
THE LEO NIESSEN CO.
 Wholesale Florists,
 1209 Arch St., Philadelphia, Pa.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.
 White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000.
 Queen, Boston Market, Pink Lawson, H. Goddard, \$1.50 per 100; \$15.00 per 1000.
 Victory, \$3.00 per 100; \$25.00 per 1000.
 Craig, \$2.50 per 100; \$20.00 per 1000.
 Cardinal, \$2.00 per 100; \$17.50 per 1000.
 Harlowarden, \$1.50 per 100; \$15 per 1000.
 Enchantress, \$2.00 per 100; \$18 per 1000.
 White Perfection, \$2.50 per 100; \$22.50 per 1000.
 Cash with order or satisfactory references
SMITH & GANNETT, Geneva, N. Y.

CARNATION CUTTINGS DEPEND

on receiving only STRONG and HEALTHY cuttings when you order from US
 We have only the NICEST and BEST variettes
 Write for further information and prices



The Wholesale Florist of New York
 43 West 28th Street
 Grower
 Lyndbrook, L. I.
 Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, Etc.

The Test what Tells The Story

When growers, who buy by the hundred the first season, order thousands the next **IT MEANS MERIT**
BEACON CARNATION
 Occupies this enviable position. As an all Winter Blooming Scarlet

IT HAS NO EQUAL
 Strong, vigorous, healthy cuttings ready now, per 100 \$6.00, per 1000 \$50.00

WINSOR	100	1000	ROSE ENCHANTRESS	100	1000
WHITE PERFECTION	\$6.00	\$50.00	ENCHANTRESS	\$4.00	\$25.00
	4.00	35.00		5.00	25.00

Make all Money Orders payable on NORWOOD, MASS.
PETER FISHER, - - Ellis, Mass.

NEW CRIMSON CARNATION HARVARD

The color is a very rich crimson. The habit is free and continuous, every shoot producing a flower. Blooms borne on long, wiry stems from 24 to 35 inches and over. Price \$12.00 per 100, \$100.00 per 1000. Usual discount on large quantities.
New Carnation FAUST (Brilliant Scarlet) This novelty very fine for Christmas duty, all that can be desired. Price \$6.00 per 100, \$50.00 per 1000. Usual discount on large orders.
 Mr. J. D. COCKCROFT, Northport, N. Y.
 NEW YORK, January 16th, 1908.
 Dear Sir:—We desire to congratulate you on the two varieties of Carnations, GEORGIA, and HARVARD, which you have been sending us. Georgia we consider to be the best white carnation that comes to New York, and can easily sell from 50 per cent to 100 per cent, more than regular white. Harvard we think to be the best dark red coming here, easier to sell at double the price of any other dark red. With kindest regards, we remain, Yours truly,
TRAENBLY & SCHENCK, Wholesale Florists
 Address: **JAMES D. COCKCROFT, Northport, L. I., N. Y.**
 Remember we guarantee satisfaction

STANDARD VARIETIES
 Strong, Healthy, Rooted Cuttings

Winsor	100	1000
Rose Pink Enchantress	\$5.00	\$50.00
Enchantress	3.00	25.00
Lawson	2.50	20.00
Queen	2.00	15.00
Victory	2.50	20.00
Queen Louise	2.00	15.00
Red Sport	2.00	15.00
Pink Patten	1.00	7.50

A. L. YOUNG & CO.

WHOLESALE FLORISTS
64 WEST 28th STREET, NEW YORK
Telephone: 3559 Madison Square
CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—The cut flower market seemed to experience a little spurt on Saturday last, and it was thought perhaps that the dull season was at an end. With Monday came a nasty, rainy day, yet stock cleared out better than has been usual; but Tuesday morning the old conditions returned, and it was practically impossible to clear out stock without making a great sacrifice in the prices. American Beauty, Bride and Bridesmaid roses are all more than plentiful enough for what demand there is, and slips of the teas are cleared out at 1½c. or 2c. each, whenever a speculator can be persuaded to handle the stock in bulk. Special American Beauty are sold at any price from 10c. to 20c. each, an occasional small lot bringing \$3 per dozen, but these sales are few and far between compared with the amount of stock that reaches the city every day. Carnations, perhaps, are not quite so plentiful, and early in the week a little better average was realized, \$3 per 100 being asked for some of the good varieties. A fair supply of Cattleya Mossiae is coming into the market, realizing anywhere from 40c. to 60c. each, according to quality. Gardenias are in heavier supply, but do not clear out satisfactorily.

There are plenty of lilies coming in, and of these there are several grades, so that there is a long range in the prices asked. Lily of the valley has been almost a glut at times, and much good stock has been cleared out at \$1 per 100. Bulbous flowers are suffering from the competition caused by the Southern crop, and prices are anything but firm. Violets do not seem to be handled any more by the good stores; the only customers who seem willing to deal in these flowers are the street merchants, which means that the bulk of the supply goes at anywhere from \$1.50 to \$2 per 1000.

CHICAGO.—While there is some improvement noted in the market it is not strong in character, the demand at best being intermittent, one day good and the next poor. The carnation situation is very much better, and prices again show some basis. There is an absence of sacrificial deals, and a dollar a hundred appears to be the minimum. Arrivals are much lighter than a week ago, and movement is fairly satisfactory within the range of prices. The continued dwindling of the supply augurs for a rather short crop for Easter. Roses are moving somewhat better, but short stock drags considerably; long-stemmed American Beauty are arriving in plenty, and the stock must be especially fine to bring maximum prices. Consignments of bulbous stock are not quite so heavy, consequently there is a better movement, but without increased prices. Outdoor grown stock is coming in in large quantities, and interferes very much with the disposal of the forced products. Single violets are not so plentiful, but doubles more than offset the shortage, so there is little opportunity for prices to soar. Lilies continue abundant and cheap. Asparagus in the two varieties, is in good demand, and moves lively. Adiantum is in somewhat short supply, and the market could take considerably more. J. H. P.

INDIANAPOLIS, IND.—Relief has arrived from the heavy cut of flowers at this time in a generous allowance of funeral work and decorating. Counter trade is also improving. Much stock goes to waste, of course, as the production is far too great for even prosperous times.

Prices on bulbous stock are away below what they should be. Carnations are harvested by the thousands and wholesaled at \$1.50 to \$3 per hundred. Violets are not blooming so profusely, they sell at 40c. to 75c. per hundred. Callas and Hybrid lilies in great vases indicate that Easter is but a short way off. Roses are not all taken by the local store men and many are shipped. Kaiserin Augusta Victoria, Richmond and Killarney are the best selling sorts at present. Select Bride and Bridesmaid are offered at \$1 to \$5 per hundred. American Beauty are improving in quality at \$5 to \$35 per hundred. The local supply of sweet peas is generally taken up at 50c. per hundred; it is an indisputable fact that these flowers are quoted at the same price in the large cities and are often charged

for at the rate of \$1.50 to out-of-town trade. Violets are quoted at 40c. per hundred for the best quality but 75c. to 80c. is requested from those at a distance. No doubt remains but that the out-of-town trade is the only salvation for the big cities at this season.

Fancy rhododendrons, azaleas, hydrangeas, lilacs and cinerarias tempt many to select plants when ordering. The hail storm has been the chief topic at Tomlinson Hall market last week; many of the growers are unable to attend because of their losses. The remainder report a very fair business. I. B.

ST. LOUIS.—The past week has brought a decided change in both retail and wholesale circles. While there is still plenty of first-class stock in the market, there is no actual glut as there was two weeks previous. Prices, too, have gone up a little on the first grade. From reports by most of the retailers, last week was surprisingly good in funeral work and trade in blooming plants. Violets are going to the had and will be all over by Easter. Carnations and roses are coming in fine, but are not nearly so numerous as two weeks ago. Fancy blooms are again up to \$3, firsts to \$2 and common grades to \$1 per 100. Roses sell at from \$2 to \$6 per 100; American Beauty, \$3 per dozen for long fancy. There are plenty of short grades at cheap prices. Bulbous stock is pretty well cut out; still, plenty is in the market. Asparagus and smilax are selling well; other greens are in plenty. ST. PATRICK.

BOSTON.—Business has improved somewhat over the conditions of the past few weeks. Prices have not stiffened a great deal. Some excellent flowers are now on the market. The grades of American Beauty, Richmond and Killarney roses are exceedingly fine. Carnations are selling fairly well. Bulbous stock is plentiful and cheap; the good prices of last year have not been equaled this season. Lilies are plentiful enough, the demand as yet not being heavy. Lily of the valley has been bringing better prices. Violets have been very abundant but have sold well. Sweet peas are moving briskly. Marguerites and other flowers of which a limited quantity daily appears sell fairly well. J. W. D.

NEW BEDFORD, MASS.—The past week saw a little improvement in the cut flower trade. There is plenty of stock and prices are about as usual. Carnations retail at 50c. per dozen; a few are selling at 35c. Violets are a drug just now; they are selling at \$1 per hundred, although a few of the florists are asking as low as 50c. per hundred retail. Roses are of good quality; they retail at \$1.50 per dozen. Sweet peas of good quality are now coming into this market; the general retail price is \$1 per hundred. There is plenty of bulbous stock on hand; some are asking 35c. per dozen retail, others 50c. Green is rather scarce just now.

E. H. Chamberlin is receiving some fine Winsor carnations from Peter Murray of Fairhaven.

H. A. Jahn's new white carnation Lloyd is still showing its free-blooming qualities. Mr. Jahn is busy shipping cuttings of this variety. He has a crimson which promises to be a winner when put out.

S. S. Peckham reports the cutting business as very active; he has had a heavy call for White Perfection and is cutting daily an immense number of blooms.

R. E. Noffly had a very attractive window display last Saturday.

E. Y. Pierce is cutting nice Boston Market carnations at his Cottage street place.

Two-week stocks are looking fine for Memorial Day.

HORTICO

ST. PAUL, MINN.—Trade has been quite active in Lent though the most of it is due to the funeral work. Stock of all kinds continues abundant and prices are down a little. Green carnations, green tulips and other green creations of the dyer's art sold readily on St. Patrick's Day, but "shamrocks from Tara Hall" were in small demand; however, our primary election was held that day and the average "Son of Erin" was busier at the polls than in honoring his patron saint. VERITAS.

Los Angeles, Cal.

A few observations on a recent trip to the San Bernardino mountains in the interests of the University of Southern California and its botanic garden recently established for the benefit of its students in botany, may be of interest to the readers of The Florists' Exchange. The locality is a forest reserve of 80,000, the elevation 3,500 feet, with a climate having a great range of temperature between midday and midnight. March 13 at noon the glass showed 75 degrees; at night ice a quarter of an inch thick covered water in vessels left in the open. Yet there was neither fog nor dew. Darkness falls upon the earth soon after sunset, because there is not enough moisture in the atmosphere to hold the rays of sunlight in suspension, as is the case in the East on the Atlantic Coast.

Plants indigenous to this locality at 300 feet elevation, and the one visited, are in full bloom here, while those growing there are just starting into growth. There for the first time since I have been in this State, now 11 years, did I see the beautiful manzanita, *Arctostaphylos manzanita*, in perfect development. The specific name of this shrub is Spanish—manzana, apple, and ita, diminutive or small, because of the resemblance of the bright red fruits to tiny apples, which are borne in clusters on short pedicels.

At least one square mile of territory is covered with specimens of perfect form and development, symmetrical in outline, yet without stiffness or formality as in a sheared shrub, as broad as high. The shrub is composed of branches of varying thickness, of very hard wood of a rich dark brown color, as smooth as though polished by a wood carver. The foliage is light green in color, of a leathery texture, and grows with its edges to the sunlight instead of the flat surface—a characteristic of most plants of arid regions. Myriads of flowers, delightfully fragrant, on some bushes pure white, on others tinted pink, covered the plants from the ground to their tops. It is the most magnificent shrub that has ever come under my observation, yet not one is to be found in parks or private grounds that I have yet visited on this coast. If it will adapt itself to Atlantic coast climatic conditions, grown as a tub plant, surely nothing now grown there will equal it in flower, foliage or form. I have neither plants nor seed to sell, but if any reader of these lines cares to experiment with seed I can put him in communication with natives of those mountain regions who would make collections for a small consideration. This plant is related to the trailing arbutus of the East; the flowers of both subjects are much alike.

The next shrub, which will not be in bloom until July, *Fremontia californica*, is an interesting subject. It belongs to the Malvaceae, is deciduous in character, and when in bloom makes the hills appear as though covered with a mantle of gold. The seed vessels are thickly covered with short, stout spines, as sharp and fine and irritating as are those of the fruit of the opuntia. To prevent evaporation of moisture from leaves and branches of plants native to arid regions, nature has covered many of them with a tomentose covering which is usually white, but in this case the branches are covered with a granular coat of a yellow color. The roots of this shrub have adventitious eyes which break forth and produce plants, as well as the seeds which are produced in great abundance, yet devoured greedily by a weevil. The flowers in this dry atmosphere retain their form and color long after they have fulfilled their mission—the production of seed.

Garrya elliptica, silk tassel tree, a dioecious shrub which resembles manzanita in foliage to some extent, is an interesting though not attractive plant. Both kinds of flowers—pistillate and staminate—are without petals, borne in jointed catkins two to six inches long. The fruit, which it was not my privilege to see, is said to be pretty. This is the "quinine bush" of the early mining days. The shrubs named have their reputed medicinal properties, each with its own specific value to the natives of these mountain regions, and are so used in case of sickness. P. D. BARNHART.

CUT FLOWERS FOR SALE

You can buy your *Narcissus*, *Jonquils*, *Tulips*, etc., direct from the largest growers in the South. For prices, etc., apply.

HUBERT BULB COMPANY,
R. F. D. No. 2. PORTSMOUTH, VA.
Gold Medalists, Jamestown, 1907.

CHANGES IN BUSINESS.

MERIDEN, CONN.—R. W. Barrow, florist, has moved from Union street to Goodwill avenue.

KNOXVILLE, TENN.—A. H. Dalley, florist, has opened a branch store at 511 Prince street.

BEATRICE, NEB.—The Dole Floral Company is preparing for the erection of two new greenhouses on its property on North Fifth street. The greenhouses will be 36x100 feet.

TRENTON, N. J.—Frank J. Clark, florist, has removed from the Opera House building, where he was located for many years, and opened a new store at 119 North Broad street.

DETROIT, MICH.—M. Bloy formerly of New Castle, Ind., has acquired the business and property of George A. Rackham at 880 Van Dyke avenue, this city, and will enter on possession April 1, 1908.

MEMPHIS, TENN.—Charles Hamner, C. C. Brown, Edwin G. Bell, Milton J. Anderson and W. L. Terry, have filed a charter for the East End Floral Company in the office of the county register. The company is capitalized at \$10,000.

ST. LOUIS, MO.—Kelley Floral Company has been incorporated; capital stock, fully paid \$2,000. Incorporators—Edward G. Kelley, J. F. Wohlfarth, Anna Wohlfarth, to cultivate and deal in flowers and plants.

MORRISON, ILL.—When James Davis of Davis Brothers has disposed of his entire interest in the greenhouse business of J. W. Steiner who recently embarked in the business with Roy Davis. Although Mr. Davis has sold out his interests in this city, he will likely remain here with his family until about the first of September, at which time they will move to Davenport or Aurora, as they have heavy interests in similar institutions in these cities.

Detroit.

The Week's News.

Good Spring weather and slowly returning prosperity have increased country sales to the satisfaction of all. Large azaleas and plant baskets were great favorites for the many store openings last week. Funeral work has kept the stores busy also.

The Michigan Cut Flower Exchange meets a steadily increasing demand for fancy ferns, with a fine quality of stock.

Last year's experiment of taking care of shade trees in our streets has met with such success that this feature has been made a permanent duty of our able park commissioner.

Olas. Warneke, who broke his leg five weeks ago, is far enough improved to go around the greenhouses on crutches.

Philip Breitmeyer and wife have returned from a two weeks' trip to Florida. FRANK DANZER.

St. Paul.

News of the Week.

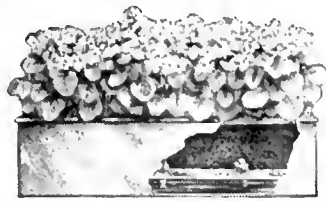
Leeb & Company is the latest addition to the florist ranks, a new firm which opened a store recently on Minnesota street. Bananas and carnations, oranges and roses, are temptingly displayed side by side. The young ladies composing the firm are former employees of E. F. Lemke.

The regular meeting of the Twin Cities Florists' Club was held at Holm & Olson's store on Tuesday evening, March 17. J. Souden and J. Jorgenson read very able papers on Easter stock, and the State fair committee reported progress, after which J. T. Withers of Jersey City gave an interesting talk on tree planting, illustrated by lantern slides. The next meeting will be held at the city park greenhouses, Minneapolis, on Tuesday, April 21, with Spring bedding stock as the topic for discussion. VERITAS.

SELL YOUR CUSTOMERS FLOWER BOXES AS WELL AS FLOWERS

Increase Your Sales and Please Your Patrons by Showing a Line of the

ILLINOIS SELF-WATERING FLOWER BOXES



These handsome metal window boxes, porch boxes, hanging baskets, jardiniere pans, etc., are made in twenty-five different shapes and sizes for use in all manner of places where growing plants are employed. Reservoir has to be filled with water only about once in two weeks—perfect sub-irrigation provided. The plants draw water as needed—never get too much, never get too little.

The best selling line ever offered to retail florists—widely advertised in the leading magazines.

Your jobber will supply you, or write for handsome illustrated free booklet to

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The Florists' Supply House of America

Now is the proper time to replenish your stock in

WHEAT SHEAVES, CYCAS LEAVES, MAGNOLIA LEAVES, Green and Brown, as well as all other supplies

Our New Catalogue Free

H. BAYERSDORFER & COMPANY, 1129 Arch Street, PHILADELPHIA

A. HERRMANN

Manufacturer of Floral Metal Designs

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

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OFFICE AND WAREHOUSES: 404, 406, 408, 410, 412 East 34th St. WRITE FOR NEW CATALOGUE

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GROWL FERN CO., MILLINGTON, MASS.

Fancy or dagger, \$1.25 per 1000. Extra fine BOXWOOD, \$8.00 per case. Brilliant Bronze or Green Galax, \$1.00 per 1000 or \$7.50 per case of 10,000. Special lots of Bronze Galax, for 10 days only, \$5.00 per case of 10,000. Wild SMILAX 50 lb. cases, \$6.00. Fresh made LAUREL PESTOONING, 4c., 5c., and 6c. per yard. Send us your orders and be pleased. LEUCOTHOE SPRAYS, bronze or green, 40c. per 100. Ground Pine, 7c. per lb. or 5c. per yard.

HARDY CUT FERNS

FANCY and DAGGER. Extra fine, \$1.75 per 1000. BRONZE and GREEN GALAX, \$1.25 per 1000, \$7.50 per 10,000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. BOXWOOD, per bunch, 35c.; 50 lbs., \$7.50. FANCY and DAGGER FERN our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, Inc. WHOLESALE COMMISSION FLORISTS 38-40 Broadway, DETROIT, MICH. All Phone Connections.

REED & KELLER 122 W. 25th Street NEW YORK Importers and Manufacturers of FLORISTS' SUPPLIES Galax leaves and Decorative Greenery New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

THE "JAPANA" Cut Flower Holder

A handy article for florists. Sells to the trade on sight. Made of glass in three sizes. The "Anglals" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

M. V. GARNSEY, 132 W. Waiola Ave., La Grange, Ill.

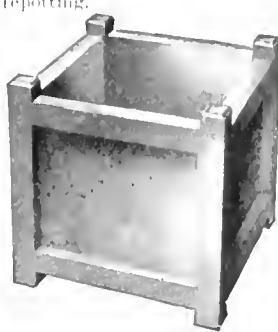


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Fancy or Dagger, \$1.00 per 1000. Good quality. Twenty years' experience.

THOMAS COLLINS, HINSDALE, MASS.

LARGE Plants, Bay and Box trees, Palm, Hydrangeas, Agaves, etc., will soon need repotting.



Use the Mission Plant Box

If you want the most durable and appropriate box made. Very reasonable in price.

Made of **PINE OR CYPRESS**

WRITE FOR PRICES

WAGNER PARK CONSERVATORIES SIDNEY, OHIO

ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business With Europe should send for the

"HORTICULTURAL ADVERTISER"

This is The British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

Editors of the "H. A." Chillwell Nurseries, Lowdham, Notts.

European Agents for THE AMERICAN CARNATION



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208 West 21st St., New York Classical reproductions in Greek, Moorish and Italian styles in artistic Pottery, Window Boxes, Pedestals, etc., for interior and exterior use.



Ever Ready Covers

Made of Waterproof Crepe Paper on a Card-board frame, tied neatly with wood fiber ribbon. Send 30 cents in stamps and we will send you covers that will fit a 6-inch standard pot, a 7-inch azalea pot and an 8-inch pan, with our illustrated booklet and price list. W. H. Grever, Mgr., Ever Ready Flower Pot Cover Co., 146 Hughes Ave., Buffalo, N. Y.



PREPARED PALMS AND PALM LEAVES

In all varieties (Alao Moss, Fibra, Needle Pines, Pine Cones, Uva Grasses, etc) Buy from HEADQUARTERS Florida Natural Products Co. Fernandina, Fla.

THE BEST WAY to collect an account is to place it with the National Florists' Board of Trade

56 Pine St., New York WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50 MANUFACTURED BY **W. J. COWEE, BERLIN, N. Y.** Samples free. For sale by dealers.

BROOKLINE, MASS. The estate on Dedham street, Newton Center, known as the Wade farm, consisting of twenty-seven acres of fertile upland, together with dwelling and outhouses, has been purchased by P. E. Palmer, the florist. It is intended to develop this property as a nursery for popular and choice hardy plants, shrubs and trees as rapidly as possible. One large greenhouse, 35 feet wide, and 150 feet long, with packing room and cellar, is already finished and planted, and another house will be erected as soon as the weather permits. The cultivation of roses and carnations will be transferred to this establishment, thus affording larger facilities for the growing of miscellaneous potted plants and flowers at the home place on Newton street. Mr. Palmer will continue to reside in Brookline.

DES MOINES, IA. The Grandview Nursery of East Des Moines is contemplating extensive improvements. This Spring at its packing grounds on Hull and Delaware avenue. At least \$5,000 will be spent in extending the property and increasing the capacity of the output. The sale of trees this year according to Mr. Carlsson, secretary of the company, is larger than ever before.

The Man Behind the Hoe.

Let no one sing of narrowed soul,
Of him who turns the sod;
'Tis his to breathe the virgin air,
And feel the kiss of God.
'Tis his to see the mysteries
Of nature come and go,
The budding plant, the perfect seed,—
The man behind the hoe.

'Tis his to feel the Spring's first thrill,
With hint of blue-bird's wing;
'Tis his to smell the clover sweet,
And hear the thrushes sing;
'Tis his to see the meadows wave,
Like rippling waters slow;
All sweetest sights and sounds are his,—
The man behind the hoe.

'Tis his to watch the springing corn
And feel the fresh'ning rain.
'Tis his to smell the blossoming grape,
And see the ripening grain.
'Tis his to pluck the golden yield
From fruit trees bending low;
Why, heaven itself lies all about
The man behind the hoe.

Oh, bless the man whose lot is cast
Thus close to nature's heart;
What need has he of millions stored,
Who of the whole is part?
What need has he of bank or bond,
Who works to make things grow?
The only freedom on the globe
Is his behind the hoe.
—Townsend Allen in New England Farmer.

SOUTHERN WILD SMILAX
BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS
E. A. BEAVEN, Evergreen, Ala.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Company 762 Mill St., Kendallville, Ind. Mention the Exchange when you write.

Southern Wild Smilax Now Read Write, Wire or Telephone the Introducers. **Caldwell The Woodsman Decorating Co** EVERGREEN, ALABAMA



EASTER PLANTS

American Beauties,

Richmonds,

Killarneys,

and other Roses.

OF ALL KINDS

OUR SPECIALTY LILIES

Packed in cases of 25 direct from the grower

Bulbous Stock of All Kinds

Lilies, Violets,

Carnations,

Lily of the Valley,

Sweet Peas.

Quotations on all kinds of Easter Plants on application.

WELCH BROS.

WHOLESALE CUT FLOWER MARKET

Telephones $\left\{ \begin{array}{l} 6267 \\ 6268 \\ 5419 \end{array} \right\}$ Main

226 Devonshire Street, BOSTON, MASS.

New York.

The Week's News.

According to newspaper reports we are to have an enormous crop of Easter lilies shipped here from Bermuda. Present reports say that the coast steamer Bermudian will arrive here on the 17th of April—that will be the Friday before Easter Sunday—with about 10,000 boxes of lilies. This may or may not be so, but it is a well-known fact that anybody who has once bought lilies that have arrived by steamer from Bermuda does not care to speculate on them a second time. The flowers usually come very poor, and the foliage is so pale and delicate that it renders them practically useless.

To get down to facts about lilies, it is quite evident that in this locality the supply is far below what is usual for this market at Easter. We mentioned last week that 50 per cent. of the bulbs planted had shown disease and were thrown away. Since that time we have learned that our estimate was a low one, indeed, and 75 per cent. would have been much nearer the actual figure. We saw this week a few blooms of the Formosa brand of lilies, and if the general crop comes up to the standard of what we saw, this lily will certainly meet with the approval of the growers. It throws up a good long stem and carries a good average of blooms per plant. Taking all things into consideration, it would seem that the price of lilies will be a little higher this year than has been their wont for several years.

The florist business, evidently, like many other lines, is moving uptown. The MacIntosh Company will locate on the southwest corner of Broadway on Forty-sixth street, and the Van Praag Company is to locate somewhere in the same neighborhood. The present store of Van Praag, which is between Twenty-ninth and Thirtieth streets, Broadway, is in the hands of a receiver, which, by the way, is unfortunate for some wholesale florists, as collections are hard even when a business is kept going.

Reed & Kellar, florists, supply men at 22 West Twenty-fifth street, are finding an excellent demand for their flower and plant baskets, which have trimmings of

the natural pussy willow. Another specialty of this house just now is an aquarium which hangs on the wall and is in the form of a picture. A rural scene is depicted on the back of the frame and is seen clearly through the water in which the goldfish are swimming.

Twenty-eighth street will lose the popular name given to it some time ago by a journalist—"the tin pan alley," as most of the music publishing houses are moving farther uptown. In fact, the street may be termed very quiet just now, with the Lenten season and the loss of the many kinds of music that are always heard there.

President of the S. A. F. O. IL, F. H. Traendly, accompanied by John Young, one of the directors, left last Saturday, for Niagara Falls and Chicago. The meeting of the board of directors of the S. A. F. will be taken in at the first mentioned place and the rose exhibition is the object of the visit to Chicago.

Mr. Hans, formerly gardener on the Palmer place at Stamford, Conn., is now with A. G. Hodenpyl, Locust Valley, L. I.

F. R. Pierson, Tarrytown, N. Y., left on Tuesday night for Chicago, to attend the annual meeting and exhibition of the American Rose Society.

"Hodgson, the Florist's," an establishment which for nearly four decades was in Fifth avenue, has disappeared. Its last stand, on the southwest corner of Fifty-sixth street, has been closed and its affairs are being conducted from an apartment house in Fifty-eighth street near Eighth avenue.

Visitor in town: O. C. Simonds, Chicago.

BROOKLYN, N. Y.—S. Jacobs & Sons, with their new factory, are now well prepared to furnish everything in the line of sash and greenhouse lumber. This firm has long made a specialty of greenhouse lumber cut to any dimensions, and has worked up a large trade not only among the florist craft of the country, but among the truck gardeners also, the latter being enormous purchasers of sash of the Jacobs manufacture. The firm is also headquarters for boilers, pipe fittings and everything that goes to make a complete greenhouse.

Indianapolis.

A Disastrous Hailstorm.

A heavy wind and hailstorm reached this section Wednesday, March 18, at about 7 o'clock, p. m.—an unusual hour for such an occurrence. Hail the size of pigeon eggs fell in immense quantities and could be seen lying in heaps at noon the following day. The whole southern section of Indianapolis received the heaviest pelting, and it was here that immense damage resulted to the florists and gardeners. Altogether from 15 to 20 establishments were riddled with the icy shot. Some of the growers estimate the amount of glass lost to be as high as 80 per cent. Hail storms at any season of the year are bad enough, but one occurring so early in the Spring, when the growers' houses are filled with Easter stock and followed by heavy freezes, the situation is doubly disastrous.

Among the florists who sustained the greatest damages were: D. H. Schilling, with an estimated loss of 2,000 feet; John Heidenreich, 5,000 feet; F. A. Conway & Company, 3,000 feet; Henry Rieman, 1,500 feet; E. Hukreide, 3,000 feet, and the other gardeners from 30,000 to 40,000 feet.

Relief measures were begun immediately after the storm. Some of the affected ones contracted for their glass and supplies the same evening. Canvas and building paper were hurried to the houses, so that a portion of the stock could be saved from freezing. The other north side florists, among them A. Weigand & Son, E. A. Nelson, Bertermana Brothers Company, and Smith & Young Company, sent a number of their employees to aid in saving the remaining flowers. Single and double glass suffered alike, as none withstood the storm. Truck gardeners removed immense quantities of lettuce and radishes and other products to the commission houses, only to have it condemned because of the small particles of glass remaining. The city greenhouses at Garfield Park presented a dilapidated appearance. Houston Tall, city florist, has taken long strides in saving a large number of bedding plants from total destruction. Reports of heavy storms in surrounding towns, in-

cluding Richmond, are seen in the local newspapers. The direct news of any serious loss has not been received. The local supply of glass was exhausted by Thursday morning and the remainder is anxiously awaited.

I. B.

Boston.

News Notes.

The Gardeners and Florists' Club proposes holding an outing at the establishment of Thomas Roland, Nahant, on April 11.

W. H. Elliott proposes to put another addition to his last built rose house at his New Hampshire place, having just completed a contract for the lumber with the A. T. Stearns Lumber Company. This firm is also supplying lumber to the Flore-x Gardens, Philadelphia, and the Floral Exchange, Edgely, Pa., one house each; to John Burton, Philadelphia, one house; to the Livingston Seed Company, Columbus, O., one house; to C. L. Howe, Dover, N. H., one house, and to John Newman, Woburn, one house.

A. Leuthy has just returned from a trip among the New Jersey growers.

Welch Brothers are handling a high-class grade of American Beauty roses at present; this firm has now an extensive trade with Canada, and will this year again make a specialty of shipping Easter lily plants in cases direct from the grower.

E. J. Rogeau will discontinue selling the products of H. N. Eaton in the Park street market, but will be found handling the goods of Paul Reichwagen and others.

There were many visitors from a distance this week attending the flower show among whom we noted W. A. Manda, South Orange, N. J.; J. E. Lager, Summit, N. J.; F. W. Kelsey and George Struck, New York; John Hay, Philadelphia; J. F. Huss, Hartford, Conn.; and Louis Reuter, Westery, R. I.

Among Bostonians at the Rose Society's Chicago meeting are P. Welch, W. H. Elliott, George Elliott, Alex. Montgomery, Jr., and W. J. Stewart.

J. W. DUNCAN.

J. K. ALLEN
Wholesale
Commission Dealer in
Cut Flowers
106 West 28th St., NEW YORK
Open at 6 a. m. every day
Telephone, 167 Madison Square
Consignments Solicited

C. BONNET **G. H. BLAKE**
BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
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Consignments solicited. Out-of-town orders
carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Ave. and 26th St.
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Open every Morning at Six o'clock for the
Sale of Cut Flowers.
Wall Space for advertising purposes to Rent.
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THE RELIABLE HOUSE
Valley Gardenias
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GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
114 West 28th Street
Phone, 551 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888

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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 42 W. 28th St., New York.

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WHOLESALE COMMISSION FLORIST
Consignments of first class stock solicited.
Prompt returns.
THE SQUARE DEAL
Guaranteed to all who trade here.
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THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES. 1664-1665 MADISON SQUARE
ENOUGH SAID

ALFRED H. LANGJAHR
55 WEST 28th STREET, NEW YORK
Telephone, 4626-4627 Madison Square Established 1891
SPECIAL VALLEY AND TOP GRADE ASPARAGUS
Consignments of First-Class Stock Solicited

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT
FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - NEW YORK

Wholesale Prices of Cut Flowers, New York, March 25, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special	10.00 to 20.00	Carnations	Infr grades, all colors	.75 to 1.00
	extra	8.00 to 10.00		White	1.00 to 1.50
	No. 1	8.00 to 10.00		STANDARD Pink	1.00 to 1.50
	No 2	6.00 to 8.00		VARIETIES Red	1.00 to 1.50
	No 3	2.00 to 4.00		Yel. & Var.	1.00 to 1.50
	Bride, Maid fancy-special	5.00 to 6.00		*FANCY—White	2.00 to 3.00
	extra	3.00 to 4.00		(*The highest grades of Pink	2.00 to 3.00
	No. 1	2.00 to 3.00		standard var) Red	2.00 to 3.00
	No. 2	1.00 to 2.00		Yel. & Var.	2.00 to 3.00
	Golden Gate	2.00 to 8.00		NOVELTIES	3.00 to 4.00
RICHMOND	2.00 to 10.00	GARDENIAS per doz	1.00 to 3.00		
Mme. Abel Chatenay	2.00 to 8.00	LILAC, per bunch	.50 to .61		
ADOLANTUM	.50 to .75	LILIES	6.00 to 12.00		
AROWANUM	1.00 to 1.50	LILY OF THE VALLEY	1.00 to 2.00		
ASPARAGUS	25.00 to 50.00	MIGNONETTE	3.00 to 6.00		
Pinnosus, bunches	15.00 to 25.00	NARCISSUS (Paper White)	..... to 1.00	
Sprengerl, bunches	15.00 to 25.00	Yellow	..... to 1.00	
CALLAS	6.00 to 8.00	POETICUS	..... to 1.00	
CATTLEYAS	40.00 to 50.00	SMYAX	8.00 to 15.00		
CYPRIPEDIUMS	5.00 to 8.00	VIOLETS	.25 to .40		
DAISIES	2.00 to 3.00	CORNFLOWERS	..... to 1.50	
FREESIA, per bunch	.10 to .20	HYACINTHS, Roman	.50 to 1.00		
		SWEET PEAS (per doz. bunches)	.75 to 1.00		
		TULIPS	1.00 to 2.00		

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Liberty,
Lilies, Lily of the Valley, Carnations
Telephone, 1998
Madison Square JOHN I. RAYNOR, 49 WEST 28th ST.,
NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463
MADISON SQUARE CUT FLOWERS AT WHOLESALE

J. Seligman Joseph J. Levy
JOHN SELIGMAN & COMPANY
WHOLESALE FLORISTS
56 WEST 26th STREET
Tel. 4878 Madison Square, N. Y.
Opposite New York Cut Flower Company

B. S. Slinn, Jr.
Wholesale Florist
55 & 57 West 26th St., New York
VIOLETS Carnations
and Roses
Shipping orders receive prompt attention.
Telephone: 3864 Madison Square.

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
WHOLESALE FLORISTS
44 West 28th Street, New York
and Cut Flower Exchange
Telephones: 798 & 799 Madison Square
Consignments Solicited

Samuel A. Woodrow
WHOLESALE PLANTSMAN
Out of town orders promptly attended to
53 West 30th St., NEW YORK
Telephone, 2083 Madison

JOHN YOUNG
Wholesale Florist
51 W. 28th St., New York
TELEPHONE: 463-464 MADISON SQUARE

THOMAS YOUNG, Jr.
FLORIST
500 Fifth Avenue, NEW YORK
Telephone, 847 Bryant

Philadelphia.

News Notes.
The stock of cut flowers is not quite as large this week; carnations have fallen off in supply the past four days, but there is much more stock on the market than the demand is using up. The retail trade is very quiet; all business appears to be done in the early morning hours.
The following have gone on from here to attend the meeting of the American Rose Society in Chicago: William P. Craig, Adolph Farenwald, Martin Santman, John Welsh Young, and G. Epton. Those exhibiting roses from this section are A. Farenwald, Myers & Santman and Robert Scott & Son.
The Spring show of the Pennsylvania Horticultural Society will open on Tuesday next. There are quite a good many new varieties of hyacinths, tulips, and narcissi to be on exhibition in competition for the H. Waterer and Henry F. Michel Company prizes.
Stewardson Brown, Professor of Botany of the Pennsylvania Horticultural Society, has just returned from a trip to Bermuda where he made quite an extensive investigation into the Harrisii lily growing industry. He saw quite a lot of diseased stock, but states that many growers are exercising more care to produce better bulbs. The experimental station work in raising bulbs from seed has resulted in producing a fine lot of lilies this year.
James Dean, Freeport, L. I., was in town on Tuesday.
DAVID RUSE.

OMAHA, NEB.—The Phoenix Nursery Company of Bloomington, Ill., is looking for a site in Omaha and may locate on forty acres of ground at Forty-sixth and Harney streets.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

FOR EASTER Ramblers, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50. Easter Lilies (plants and cut) 12 1/2 c. per flower. Also a choice stock of other plants. Prices on application.

1608 to 1620 LUDLOW STREET Store Open 7.30 A. M. to 8 P. M.

Easter Lilies

Will have a very large supply of Lily Plants for Easter. Get our prices before placing your orders.

The Leo Niessen Co.

WHOLESALE FLORISTS

1209 Arch Street, Philadelphia

CARNATIONS A SPECIALTY CARNATIONS ROSES VIOLETS, VALLEY.

GEO. B. HART, Wholesale Florist, 24 Stone St., ROCHESTER, N. Y. Mr. Hart's Handy Handle.

Headquarters in WESTERN NEW YORK For Roses, Carnations. WM. F. KASTING CO. Wholesale Commission Florists. 383-87 Elliott St. BUFFALO, N. Y.

BERGER BROS.

WHOLESALE FLORISTS No. 1305 Filbert St., Philadelphia Bell and Keystone Phones

H. G. BERNING

Wholesale Florist 1402 Pine St., St. Louis, Mo.

Washington, D. C.

Trade Notes.

The glutted condition of the market remains unchanged; there is a superabundance of nearly all stock and prices are correspondingly depressed.

March came in like a lamb and thus far has maintained most enviable conditions; even the equinoctial period is passing with clear skies and moderate temperatures.

J. M. Hammer & Sons have installed a new six h. p. gasoline engine for pumping water and mixing clay from which they make flower pots.

The annual banquet of the Washington Florists' Club, with installation of the newly elected officers, is to take place at Freund's, 815 Tenth street, N. W., at 7:30 p. m., April 7.

JAS. L. CARBERRY.

Columbus, O.

Club News.

The Columbus Florists' Club seems to have entered upon an era of good-fellowship, and its members find it pleasant and profitable to get together once in a while and cultivate the social spirit.

For the first meeting night of March there was a pleasant gathering of members of the club at the plant of Messrs. E. Metzmaier & Son, on South Fourth street, where a short business session was held in the neat new offices recently erected by the firm and fronting on Fourth street.

C. D. B.

CLEVELAND, O.—Claiming that the late Joseph M. Gasser, florist, was insane when he made his will in December, 1906, Attorney J. A. Mathews, assistant treasurer of the Guardian Savings and Trust Company, has filed papers in probate court asking that he be appointed administrator of the \$250,000 estate.

MILFORD, CONN.—The funeral of Emma P. Comstock, wife of Roger H. Comstock, florist, was held at New Canaan, Conn., on Monday, March 16.

Wholesale Prices of Cut Flowers—Per 100

Table with columns for Boston, Buffalo, Detroit, Cincinnati, Baltimore, Milwaukee, Philadelphia, Pittsburg, and St. Louis. Rows list various flower varieties like Beauty, Bride, Golden Gate, etc., with prices per 100.

BOSTON, MASS.

Asparagus Plumosus Killarneys Richmonds Brides, Maids American Beauties Kaiserin

WELCH BROS.

PROPRIETORS CITY HALL CUT FLOWER MARKET 226 Devonshire Street.

Carnots Orchids Valley Carnations Violets

EDWARD REID

Wholesale Florist 1526 Ranstead St., PHILADELPHIA Bet. Market and Chestnut Streets. CHOICEST STOCK ALWAYS ON HAND Telephone: 1-42-26-A.

Pittsburg Cut Flower Co.

LIMITED WHOLESALE FLORISTS 222 Oliver Ave., Pittsburg, Pa.

Newport, R. I.

News Notes.

David McIntosh, who has been many years secretary of the Newport Horticultural Society and for twenty years in charge of the Bell estate, has taken charge of the estate of Mrs. C. M. Bell at Tuxedo Park, N. Y.

Robert Hunnuck, for nineteen years gardener for Mr. F. W. Vanderbilt at Newport, R. I., has resigned his position as gardener for W. B. Leeds there.

SANDUSKY, O.—Matern & Wheeler report an active demand for trees, shrubs, vines, roses, and bulbs.

Prices Advertised in these Columns are for THE TRADE ONLY—

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DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS

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All telegraph and telephone orders given
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All telegraph and telephone orders
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Northwest, which will have our
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All Leading Varieties of Roses and Carnations

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Wholesale Florists
Valley, Carnations and Roses
58-60 WABASH AVE., CHICAGO

PRUNING SHEARS.—An American consular officer in an Asiatic country reports that there are thousands of pruning shears used in his district during the silk season in cutting off the young branches of the mulberry trees, which are fed with their leaves to the silk worms. The consular officer in question is of the opinion that there is a good field of trade for American manufacturers of strong, cheap, and simply constructed shears. He forwards the names of three firms to whom correspondence on this subject should be addressed. Those desiring these addresses should refer to No. 2066 Bureau of Manufacturers, Washington, D. C.

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Roses and Carnations WHOLESALE GROWER of CUT FLOWERS
A Specialty

Wholesale Prices of Cut Flowers, Chicago, Mar. 25th, 1908
Prices quoted are by the hundred unless otherwise noted

Table with columns for ROSES (American Beauty, 36-inch stems, etc.) and CARNATIONS (White, Pink, Red, etc.). Includes prices per doz. and per 1000.

Chicago.

The Week's News.

Bright, typical Spring weather is having a good effect on the retail trade. Sales are more numerous, and transient business has picked up considerably.

W. H. Elliott, Brighton, Mass., and Alfred Hudson, Boston, formed the advance guard of the visitors to the meeting of the American Rose Society.

B. Eschner of M. Rice & Company, Philadelphia, spent a few days in Chicago on his return from the westernmost limits of his territory.

A State street florist had in his window last week a novelty which drew crowds of curious passers-by, and resulted in many inquiries within the store.

The Winterson Seed Store received a carload of fancy ferns this week, nearly a million fronds, the shipment being one of three carloads to arrive within a few days.

P. W. Martin, East Fortieth street, has in his line greenhouses a lot of nice stock in shape for his Easter trade. He is contemplating the rebuilding of two of his houses in the very near future.

Your correspondent was privileged to see an interesting exhibition of examples of the new color photography, by the Lamiere Brothers of Paris, France, before a society of Chicago art workers last week. The subjects chosen were interiors of the conservatories at Lincoln Park, and the orchids, cinerarias, azaleas, genistas, daisies, lilies and various other plants were strikingly shown in their natural colors and with all the natural tones appearing in a manner beyond the scope of the artist's brush.

CHAS. W. MCKELLAR

ORCHIDS

FANCY VALLEY, ROSES, CARNATIONS AND all CUT FLOWERS and GREENS

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Western Headquarters for
Up-to-Date Florists' Supplies

Write for Catalogue

Nos. 19-21 RANDOLPH ST., CHICAGO

Cincinnati.

News Items.

On Wednesday evening, March 18, severe hailstorms passed over Southern Indiana. G. R. Cause of Richmond, Ind., reports a heavy fall of hail. The damage, he says, was not very great in places, yet most of the florists lost more or less. Mr. Cause lost 200 feet. The same storm passed over Wilmington, O., breaking about twelve hundred feet of glass for the Wilmington Floral Company. Xenia, O., also was visited, but at this writing I have not received any reports. Over Cincinnati on the same date we had a severe rainstorm, but it was not accompanied with hail.

Edward Forder of A. Sunderbruch's Sons is indisposed with la grippe. T. W. Hardesty is also at home suffering from the same malady.

Business is now very near to the edge of the precipice, and a little shove will push it clear over.

Green carnations and "green dope" never sold so well as they did the past St. Patrick's Day. The demand was greater and more carnations were sold than on McKinley Day. Enchantress colors up even better than white, and was preferred, being a larger flower and making a better appearance.

C. J. Ohmer of the Florists' Wire Design Company was in Dayton, Friday, Saturday and Sunday on business and pleasure.

The National Cash Register Company closed down tight in all departments except the salesroom. Three thousand people are reported idle from that one factory alone, which makes the outlook rather gloomy for Dayton for a while; but, like water, business will always find its level, possibly not until after the presidential election though.

L. P. Benson, Newport, Ky., left on a business and pleasure trip March 17. Oklahoma and other portions of the West will be visited before his return, which will be in about six weeks.

Max Rudolph is home from the hospital much improved in health since his operation.

Miss Mary Lodder of Hamilton, O., was a caller on the 19th inst.

E. G. G.

St. Louis.

News Notes.

L. Hastings, traveler for A. H. News Company, Cambridge, Mass., called the past week, displaying a fine line of sample flower pots. Mr. Hastings reports a nice business here.

The Grimm & Gory Florist Company purchased, through Vincent Gory, the greenhouses and land from Jesse Von Compenhont at 4560 St. Louis avenue, there being a frontage of 160 feet on that thoroughfare. The firm will operate the houses and grow out flowers and plants for its Cass avenue store.

Kelley & Petschonek have dissolved partnership, Mr. Petschonek retiring; Mr. Kelley will continue under the name of the Kelley Floral Company, taking his brother and father-in-law into the new firm, which will continue at the old stand, 627 North King's Highway.

Fred. Foster, head of the Foster Floral Company, while out driving in the country met with a painful accident; he was thrown from his buggy and sustained a fractured leg and broken rib. The good old Summer time will be here before Fred. will be out again.

Nat Kingsley, head of the Mullamphy Floral Company, disappeared last week Thursday. As his accounts are all in good shape, Mr. Sager, his partner, suspects foul play.

H. Weber and Sons, Sanders' Nursery, Rotenhofer and Schuette, our nurserymen, have had a very busy season in trees and shrubs. Stock of all kinds is selling better than ever before. California privet is having a big run at all these places.

Park Commissioner Scudlan, in making his report to the Board of Public Improvement, says that the Louisiana Purchase Exposition Company is far from completing the restoration of the part of Forest Park on which the World's Fair was held, and is of the opinion that it will take another year before the company could turn over to his department that part of the park completely restored, and that it must be entirely to his satisfaction before he would accept same.

President W. C. Young of the Florists' Club is making a special effort to have a large attendance at the April meeting, which will take place in the new meeting hall, northeast corner Eleventh and Locust streets, Bowman's Hall, third floor. ST. PATRICK.

One of the large conservatories at Washington Park is just now a beautiful sight. A very large collection of cinerarias is to be seen in flower, and in addition is a collection of large, bushy plants of wallflowers in both double and single varieties, some of the individual specimens running fully 40 inches in diameter. There is also a nice showing of camellias in bloom.

C. Hammer of the East End Floral Company, Memphis, Tenn., is in town this week. He reports retail business quite good in his city.

Robert Simpson, Clifton, N. J., and Benjamin Hammond, Fishkill-on-Hudson, N. Y., were visiting the trade early on Tuesday. They spent the afternoon at the Poehlmann establishment, Morton Grove.

W. N. Rudd and George Asmus are in Niagara Falls in attendance at the meeting of the board of directors of the S. A. P. O. H.

O. P. Bassett and Mrs. Bassett are expected home from Pasadena, Cal., the first week in April.

President Leonard Kill and Secretary T. E. Waters were busy men during the early part of the week in the preparations making for the success of the rose show this week.

Vaughan's Greenhouses have just received a carload of box trees, which are opening up in fine shape.

J. H. PRYER.

HAIL NEWS.

Hail losses recently reported are: R. S. Murray, Bellefontaine, Ohio; H. D. Schilling, Indianapolis, Ind.; and Joseph R. Goldman, Middletown, Ohio. JOHN G. ESTER, Secretary F. H. A.

Tobacco Paper "NICO-FUME" LIQUID

is the **STRONGEST, BEST PACKED, EASIEST APPLIED**

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Standard Flower Pots

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Price per crate. Price per crate.
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1000 3 " " " 5.00 48 9 in. pots in crate, \$3.00
800 3 1/2 " " " 5.80 48 10 " " " 4.80
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

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- Cabbage and Cauliflower
- Canna
- Carnations, Monthly
- Cauliflower, Redish and Beans under Glass
- Celery
- Chinese Sacred Lily
- Chrysanthemum
- Climbing Plants, Hardy
- Coleus, and other bedders
- Crocus, Snowdrop and Scilla Sibirica
- Cucumbers under Glass
- Dahlia
- Deciduous Trees and Shrubs
- Evergreen Trees and Shrubs
- Ferns
- Freesia
- Geranium
- Glaadiolus
- Gloxiaria
- Hot Beds and Frames
- House Plants, Care of
- Hyacinths, Dutch and Roman
- Iris and Tritoma
- Lawns
- Lettuce in the Open and under Glass
- Lily Culture for House and Garden
- Melons under Glass and in the Open
- Mushroom Culture
- Onions
- Palms, House Culture of
- Pansy
- Peonies
- Perennials, Hardy
- Primula
- Rhubarb and Aparagus under Glass
- Rose Culture
- Small Fruits
- Standard Fruits
- Strawberries under Glass
- Sweet Pea, The
- Tomatoes, Outdoors
- Tomatoes under Glass
- Tuberose
- Tulip
- Vegetables
- Viola
- Water Garden, How to Make and Manage a

Your selection of not less than 100 of a kind, delivered carriage paid, printed on white paper, clear type, size 6x9 1/2 inches, 500 for \$1.50; 1000 for \$2.50.

Sufficient space will be left at the bottom of each leaflet for your name, address, etc. If you desire this imprint (3 lines) add 50 cents for 500 copies, 75 cents for 1000. Special quotations on quantities of 2500 or over.

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"Flowers and Profits"
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PLANT CULTURE
PRICE \$1.00
A. T. DE LA MARE PTG. & PUB. CO.,
2 Duane Street, New York

Bowling

The Westbury (L. I.) Gardeners recently defeated the Glen Cove (N. Y.) team in the contest for a silver cup. The scores were as follows:

GLEN COVE.

S. J. Trepess	122	104	99
John Drombrowski	146	122	145
Alex. Mackenzie	108	104	78
Moore	87	77	87
J. Ilizlton	194	120	135
E. J. Brown	121	145	124
Total	778	676	668

WESTBURY.

J. Everett	150	152	159
Small	124	168	146
Morrison	97	94	84
A. Johnson	127	178	131
S. Drombrowski	144	177	95
Siler	179	129	140
Total	821	898	755

G. M. K.

NEW YORK.—The New York Florists' Bowling Club was organized Friday evening, March 20, with W. E. Marshall president and Joseph A. Manda treasurer. Meetings are to be held every Friday evening in the Albion Alleys, 117 West Twenty-third street. Dues are 50c. per night, payable in advance. F. H. Traendly, president of the S. A. F. O. H., has offered transportation to the convention at Niagara Falls next August to the team making an average of over 155 in practice games. These games will begin on Friday evening, April 3. Members who wish to take advantage of this competition should not fail to be present at that meeting. Scores made last week were as follows:

W. E. Marshall	128	163	138
Jos. A. Manda	156	171	181
Jos. S. Fenrich	173	165	192
N. Shreiner	137	181	186
W. Rickards	130	167	129
A. Rickards	124	216	148

ELIZABETH, N. J.—The Elizabeth Nursery Company of this place, anticipating an extra demand for hardy trees, shrubs and perennials, has grown an enormous quantity of this class of stock, and is prepared to meet heavy demands along any line of hardy stock. The company has been established so long, and the quality of the stock it sends out is so well known, that only brief mention need be made of these facts here. We may say, however, that never before were the firm's trees and shrubs in such excellent condition as they are this season. Azalea amœna, Catalpa Bungei and viburnums in variety have been specialized to quite an extent, and there is a grand stock of these on hand. The list of hardy perennials is a most complete one, covering about everything that is required for the herbaceous border or flower garden.

DREER'S Florist Specialties.
PEERLESS PLANT FOOD
"Odorless."

The best and cleanest fertilizer for house plants.
Half pound, \$1.00 doz.;
\$8.00 per 100.
One pound, \$1.50 doz.;
\$12.00 per 100.

Retail price, 15c. and 25c.

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BUG KILLER
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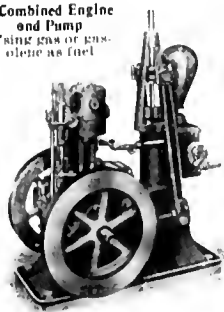
A Standard Pumping Engine will enable you to SAVE YOUR COAL PILE because it will do better work than a steam pump and costs but a few cents for a day's watering. You can save the coal and time required for raising steam and get MORE WATER at HIGHER PRESSURE and this SAVES TIME.

OUR NEW CATALOGUE IS READY FOR YOU AND A CARD WILL BRING IT

We make a Specialty of Pumping Engines for Greenhouse Work and have a Machine that will do your Work.

The Standard Pump & Engine Co., 17 Michigan Street, Cleveland, Ohio

A Combined Engine and Pump Using gas or gasoline as fuel



Pittsburg.

Trade and News Notes.

The cut flower trade has not shown any improvement, excepting an extra demand for funeral work which helped considerably to move some of the stock which is still coming in too strong. Roses seem abundant and cheap. Carnations are not so plentiful; in quantities low prices are offered, although about \$3 per hundred is the ruling figure for good stock. Violets are in fair demand at 50c. per 100. Bulbous stock sells at any price. Callas are offered as low as \$7 per 100. St. Patrick's Day passed off very quietly; very few green flowers were sold, although the weather was fine.

Plant trade is looking up better since more favorable weather prevails, the market stands outdoor have started up and will continue for the season.

W. C. Beckert, seedsman, was again threatened by high water, the third flood this year; but it only got below his store room floor and the damage was not great, as everything had been removed from the cellar.

One of our large department stores is again offering two-year hybrid perpetual roses for sale at a bunch of ten for \$1, a low price which induces many people to buy. The firm has ordered over 30,000 plants from Holland and the stock looks well.

Mr. Gandy, representing H. A. Dreer, Philadelphia, and B. Eschner of M. Rice & Company were visitors during the week.

George W. Burke, Superintendent of Parks, was presented a diamond stickpin by the members of the Schenley Maritime Club at their annual banquet held last week. E. C. REINEMAN.

Rochester, N. Y.

Trade Notes.

Business for the past two weeks has been exceptionally good; this perhaps on account of deaths of several prominent men of this town, also the Spring openings of the dry goods stores, one of which decorated its windows with hundreds of pots of bulbous flowers.

Last Saturday was evidently bargain day in the florists' stores, for all, without exception, sold special carnations 25c. per dozen. This made an exceptional amount of labor, but was a complete success as far as cleaning out the commission house, everything available being sold out.

No staple price can be given on any commodity, there being plenty of everything, especially lilies, for which there is not much call. American Beauty roses move slowly. A sale was also on violets at 35c. per bunch, all being disposed of. These sales are a great innovation, and a good means to clean out all kinds of stock good, bad, and indifferent, but whether this is to work to the harm of the future prices remains to be seen. Naturally at this time there is no demand, and excessive supply, and the reasonable rates enable everyone to buy.

Easter lilies will be somewhat scarce this year, owing to the lateness of the season, and the poor quality of bulbs, loss of which will easily reach 65 per cent. Speaking of lilies, those from Formosa, one case of which was tested by Salter Brothers this year, were a complete success; out of 200 bulbs, only four were thrown out. The remainder grew beautifully, and bore from 4 to 8 buds on clean healthy stems. Its manner of growth is somewhat similar to that of Harrisii, but the flowers are a trifle longer, and stand well up above the foliage. The trial box proved so successful

JOHN A. PAYNE

Greenhouse Designer & Builder

260-274 Culver Ave., Jersey City



The Payne Galvanized Iron non-freezing Z Bar Eaves Plate is acknowledged to be the best and the most durable. No inside dip, no sockets to hold moisture around wood bars.

Iron and wood frame greenhouses of every type—material only or erected. LET US ESTIMATE.

SECOND HAND PIPE AND BOILER TUBES

From 1 in. up to 12 in., for sale at low rates.

We can supply you with any amount from 100 feet and up.

As we are large dealers in pipes, and do our own threading, we can sell same cheaper than any other dealer.

Our price card will be sent anywhere upon request, send for one.

EAGLE METAL & SUPPLY CO., Johnson Av. & Broadway, BROOKLYN, N. Y.

Low Boilers

4 ft. high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet. FREE HOSE TRIAL, PIPE FITTINGS, VALVES, etc.

WM. H. KAY, CO., 244 Fulton St. N. Y.

that other florists here have ordered some of the bulbs, so that we may expect to hear more about these later on. COEKNEY.

How to Make Swampy Land Valuable

There are many acres of wet land in this country that ought to be in use and making money for someone. At a moderate outlay this land can be drained and rendered very fertile and profitable, and it is no wonder many farmers and land owners are availing themselves of this means of increasing their tillable acreage—and consequently their incomes.

One of the best methods known is the use of Jackson's round drain tile, which readily carries off the surplus water and effectively answers every requirement of a perfect drain. Soil drained by the use of tile is earlier in producing than other soils, easier to cultivate, and gives remarkable yields of crops.

It is worth while, if you are interested, to write to John H. Jackson, Third avenue, Albany, N. Y., for information about drain tile, chimney tops, sewer pipe, fire brick, etc.

Mr. Jackson publishes a pamphlet on drainage which he will send free to those in the New England and Middle Atlantic States who are interested in the subject.

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Best Tool in Use for Glazing and Repairing

For sale by your Seedsman or Supply House, or SENT PER MAIL ON RECEIPT OF ONE DOLLAR, POSTPAID.

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Greenhouse Material Hot Bed Sash

of Louisiana Cypress and Washington Red Cedar

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GIBLIN & CO., Utica, N. Y.

HAND & EAVE PLATE SENSE

If you don't want an eave like this photograph shows, buy our houses with steel angle plate and cast iron roof bar brackets, all galvanized.

SEE ILLUSTRATION IN OUR NEXT WEEK'S AD.

HITCHINGS & CO.
1170 BROADWAY, NEW YORK



Heating.

Growers' Problems Solved by U. G. Scollay.

I have two connected houses I wish to heat by hot water; their size is as follows: Each 16x100 feet, 9 feet to the ridge, 5-foot walls with 2 feet of glass on each side, size of glass will be 16x18. I wish to have two 2-inch flows under the side benches in each house. How many 1 1/2-inch returns must I have in each house to heat it to 55 degrees in zero weather? The houses run north and south. H. J. H.
New Jersey.

—When you state that you desire to put "two 2-inch flows under each side bench." I assume you mean one under each bench. It will be crowding 2-inch connection pretty hard to carry the amount of surface you will require; 2 1/2-inch would be much better. However, to answer your question, I would state that in addition to the 2-inch flow you will require ten 1 1/2-inch pipes, five under each side bench. This would maintain the temperature, but why not use all 2-inch and discard the 1 1/2-inch? You will get better results. If you decide to use all 2-inch, ten lines will do, and you could make a very nice layout by putting four 2-inch under each side bench, and two under the center. I know the latter plan is to be preferred to yours. U. G. SCOLLAY.

I send sketch of boiler you have been kind enough to give an opinion on, but to give further information you ask for more particulars. As you will see by the rough sketch it is a locomotive-shaped boiler; it has been used for marine work. Length over all is 15 feet, fire grate space 4 feet 9 inches x 2 feet 9 inches inside measure; all fire box water jacketed; fire box 3 feet high inside; tubes forty, 3-inch diameter, about 8 feet long. What I want to know is, would such a boiler, if used for hot water, be economical with coal and about what capacity in 2-inch pipe would it have or what capacity in houses 100 feet long by 20 feet wide at a temperature which rarely touches zero? The houses would be used for carnations, lettuce, violets, etc. What I want to find out is if it would pay me to use said boiler, and use coal as fuel, as I have the boiler. It was being used at 90 pounds pressure when taken out of the boat. I wish to use hot water, not steam, if possible, and I want to heat at least three houses, each 100x20 feet, 10 feet to ridge from ground, sash bats 11 feet, 6 inches and no side glass; one end glass. If I could heat more houses I should like to know; also if I could get an approximate idea of fuel consumption. Is clay mixed with coal good for use in furnaces? Would the coal consumption in a boiler as mentioned be a great deal more than in a boiler made for hot water heating? H. B. D. L.
British Columbia.

—The boiler of which you give particulars should be good for 3,000 square feet of radiation, hot water. I do not think, however, that it will be the most economical boiler for your purpose. I would discard the steam dome and put my flow flange connection on the top of the shell. The returns can come in at the base of the fire box. The total capacity of the boiler in 2-inch pipe could be easily run to, I should say, about 7,500 lineal feet. If you pipe one of these 100x20-foot houses for carnations, put about 12 lines of 2-inch pipe, which will give you a temperature of 55 to 60 degrees. For lettuce, which will require 45 degrees, I would add 8 lines of 2-inch pipe; for violets the same proportion as the lettuce. I do not think, however, that the house would be well adapted for violet

growing, and would suggest that you construct special houses for this latter purpose. On average conditions for the amount of glass you mention, I would assume that you will consume about 40 to 45 tons of coal per season for the purposes above mentioned. The boiler has ample capacity to add more glass, but I do not think that you will be using the best type of boiler for your purposes. U. G. SCOLLAY.

Cypress Scores a Victory.

At the convention of the National Irrigation Congress held last September at Sacramento, Cal., the prize offered by the California Wine Growers' Association for the best substitute for white oak for tight cooperage suitable for wine barrels, was awarded to cypress.

The entry for the prize, which was a beautiful white oak cask, with artistic silver trimmings, was made by the Southern Cypress Manufacturers' Association, St. Louis, Mo., manufacturers of red cypress, who are naturally elated at the result.

Cypress has for many years been recognized as one of the foremost woods on the American lumber market. Its great resisting power to atmospheric influences, such as decay and weathering, is practically unequaled by any other wood. The ease with which it can be worked, its comparatively high strength, its beautiful color and finish have made it one of the most eagerly sought for woods in a country where many other woods make claim for recognition. The award of the prize for the manufacture of wine barrels is simply another tribute to one of the peculiar qualities of cypress wood.

Red cypress is used extensively in the making of tanks, plant tubs, and other accessories of the florist, as well as for benches, etc., and is handled by the Louisiana Red Cypress Company, New Orleans, La., which concern is greatly gratified at the success now scored by its specialty. This firm holds testimonials as to the great efficacy of cypress in greenhouse work from many of the leading trade concerns of the country.

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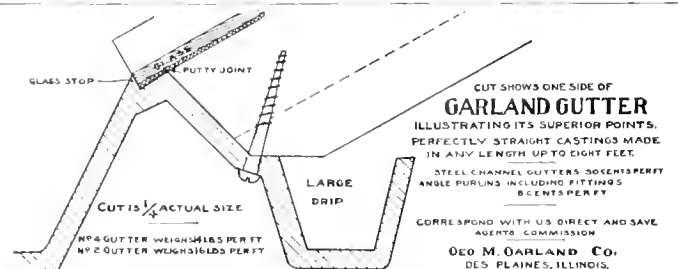
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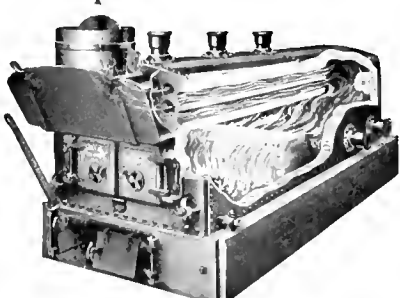


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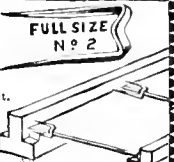


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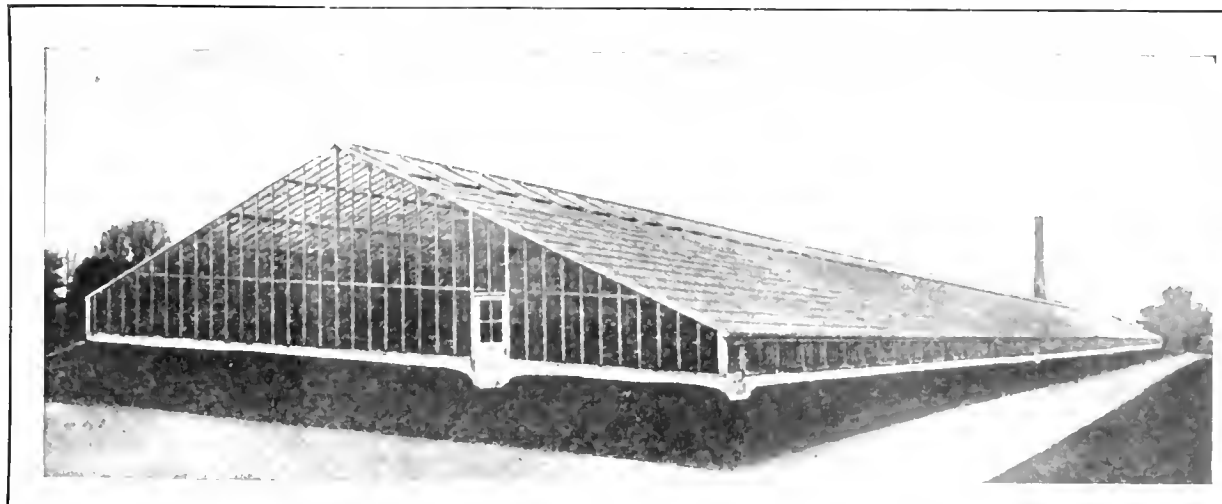
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 Glazing Points are the best. No ricks or lifts. Box of 1,000 points 75 cts. postpaid.
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 Our new catalog will be sent anywhere on request. Ask for one.
JOHN C. MONINGER CO.
CHICAGO.
 115 E Blackhawk Street
 2000 Yellow Locust Posts, 7 feet long, 4 x 5 inch heads, cut from butts, at \$25.00 per 100, \$22.50 per 1000. F. O. B. Cash.
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 (150,000 sq. ft. glass erected in 1907 will substantiate this claim.)
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And then there is the cost to be considered. Why not let us take up this important question now?



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The A. T. Stearns Lumber Co.
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WOOD—HOW LITTLE WE USE IN OUR HOUSE

YOU know some prefer an all cypress house—and we sell it to them and they are satisfied. But on the other hand, before selling to a man we don't consider it a square deal, not to first point out the many improvements in our construction; show him the principal features that are certain to mean less repairs and a more productive house.

All our moves have been continually toward reducing the wooden members or substituting them entirely with iron. Now take that Semi-Iron House of ours—it has a *Complete Iron Frame*. The Side Posts are of guaranteed wrought bar iron, with our *Patent Galvanized Eave Plate*.

The roof between the eaves is supported by our patented *Clamp Pipe Frame*.

The *purlins* are of 1¼ inch pipe, strongly fastened to the bars by *metal binders*, and clamped to the pipe columns by *Clamp Column Fittings*.

The Giant Arch is a support of great lightness, but has tremendous strength,

and is made by clamping together the purlins, columns and cross-ties.

All columns are set in adjustable *cast iron foot pieces*.

The sash bars are firmly anchored to the eave plate by our *Patent Sash Bar Clasps*, and each pair of opposite bars on either side of the ridge, in addition to being nailed, is bound to it by the *Ridge-Holdfast*.

So you see the entire frame is of iron, and the only wooden members that go into the completed superstructure are the bars, ridge and sash.

Now when you compare estimates—ours with others—compare item for item—actually what is specified in black and white.

When it comes to deciding also bear in mind that L. & B. have a reputation from Main to California for doing everything they do with the greatest care and thoroughness. It costs to do things right in the first place, but it is a great deal cheaper in the end.

Send for Semi-Iron Circular.



The pipe and clamp frame in the Semi-Iron House. The Giant Arch, the central part of the frame, is a "Tower of Strength"

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FLORISTS' EXCHANGE

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXV. NO. 14 NEW YORK AND CHICAGO, APRIL 4, 1908 One Dollar Per Year

CARNATION CUTTINGS

We are in unusually good position to supply exceptionally well-rooted, healthy stock. We have such a large quantity of flowering plants that we propagate only from heel cuttings from flowering shoots. Our cuttings are rooted in light, sunny, airy houses, and we are sure will satisfy the most critical buyer.

A prominent carnation grower writes: "You seem to be THE ONLY FIRM IN THE BUSINESS THAT KNOWS HOW TO PACK STOCK AND HAVE IT REACH THE BUYER IN GOOD CONDITION, and I have always found your cuttings cheaper than the same varieties from others at much lower figures."

While our prices may not always be the cheapest, we certainly can give, quality considered, as good value as, if not better than, is obtainable anywhere.

WINSOR which we introduced last year has proven to be the finest novelty introduced in years. We think it is the most profitable variety grown to-day, considering its fine color, splendid keeping qualities, and productiveness. When properly grown, it leaves little to be desired, and almost everyone succeeds with it.

White Enchantress the best all-round white carnation, on account of its large size, long stem, earliness, and productiveness. Our White Enchantress, exhibited at the Carnation Convention at Washington, was the only White Enchantress exhibited that received an award.

Strong-rooted cuttings, now ready for delivery, from sand, \$6.00 per 100, \$50.00 per 1000; from soil, \$7.50 per 100, \$60.00 per 1000.

We offer, also,

BEACON and RED CHIEF, from sand, \$6.00 per 100, \$50.00 per 1000; from soil, \$7.50 per 100, \$60.00 per 1000. Also

VICTORY, MELODY and WHITE PERFECTION, from sand, \$4.00 per 100, \$35.00 per 1000; from soil, \$6.00 per 100, \$45.00 per 1000.

VARIEGATED LAWSON, WHITE LAWSON and RED LAWSON, from sand, \$3.00 per 100, \$25.00 per 1000; from soil, \$4.00 per 100, \$35.00 per 1000.

We can supply, also,

WINONA and AFTERGLOW at \$12.00 per 100, \$100.00 per 1000.

Buyers will find transplanted stock offered from soil well worth the difference in price.

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YOUNG ROSE STOCK

IN EXCELLENT CONDITION, READY TO SHIP

KILLARNEY, RICHMOND, LIBERTY, BRIDE, BRIDESMAID, BON SILENE, KAISERIN and CARNOT

Exceptionally fine large plants of

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The best paying Summer rose on the market. • SEND FOR PRICES.

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We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality.

Northern Greenhouse-Grown Seed. Per 100 seeds, 60c.; 250 seeds \$1.25; 1000 seeds, \$1.00; 5000 seeds \$19.50; 10,000 seeds, \$37.50. Price for larger lots on application.

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True Dwarf "EXCELSIOR" Strain.

Our stock of Excelsior Pearl has been bred up by many years of careful selection from bulbs producing the shortest stalks with full heads of double flowers. But two or three firms can supply this extra dwarf "Excelsior" strain. First size bulbs 100 \$1.00 1000, \$9.00.

TUBEROUS BEGONIA

Single white, yellow, pink and scarlet 35c. per doz., \$2.50 per 100; single mixed 30c. per doz., \$2.25 per 100; double white, yellow, pink and scarlet 60c. per doz., \$1.50 per 100, double mixed 50c. per doz., \$1.00 per 100.

CALADIUMS—Elephant's Ears.

Sound bulbs. Live center shoots. Ten per cent advance if shipped from our Chicago store.

Circumference	100	1000
7-9 inch	\$3.25	\$28.00
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A splendid stock of fine plants from 2-in. pots, 5000 standard sorts and new varieties, \$2.00 per 100 and up to \$1.00 each. We will send 1000 in good varieties our selection for \$18.50.

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PELARGONIUMS in good variety, strong plants, 3-inch pots, \$1.50 per doz., \$6.00 per 100.

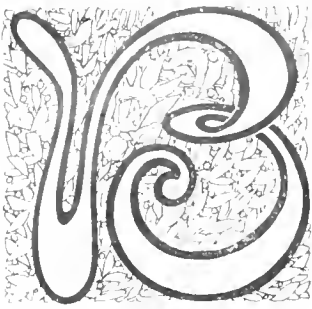
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DAHLIA ROOTS We still have about 75 varieties we can offer in Cactus, Decorative, Show and Pompon true to name at \$5.00 per 100 and up for whole field grown clumps. One thousand 50 each of 20 varieties, our selection, for \$10.00, all good kinds, a splendid collection for planting or just the thing for store trade.

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Lilium Auratum.....	\$8 00
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GOOD CROP OF MUSHROOMS

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Write me and I will send you free of charge valuable information on the subject.
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Free from disease. Apply at once to

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Everything of the highest grade.

PALM SEEDS

Kentia Forsteriana, March	100	300.
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Cocus Weddeliana, Im-		
mediate	1.00	7.50
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Livistona rotundifolia, Apr.	2.00	17.50
Livistona Chinensis	1.00	7.50
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ASPARAGUS PLUMOSUS NANUS,		
true greenhouse grown seed, 100		
sds. 60c.; 250 sds. \$1.20; 1000 sds.		
\$4.00; 5000 sds. \$18.00; 10,000 sds.		
\$35.00.		
ASPARAGUS SPRENGERI, 250 sds.		
25c.; 1000 sds. 75c.; 5000 sds. \$3.00.		
DIACAENA INDIVISA (seeds), oz.		
30c.; 1/4 lb. \$1.00.		

Catalogues free.

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XXX STOCK

Strong, 2 in. Ready for 3-inch pots. AGERATUM, Gurney. Best dwarf blue; \$2.00 per 100.
LOBELIA Crystal Palace. Extra fine dwarf; \$2.00 per 100.
HELIOTRIS, dark, \$2.00 per 100.
PETUNIAS, New Giant Fancy Single; 50c. per doz.
PETUNIAS, New Star, very fine, \$2.00 per 100.
VERBENAS, California Giants, mixed, strong and fine, \$2.00 per 100.

XXX SEEDS

CHINESE PRIMROSE. Finest grown, varieties mixed; 500 seeds, \$1; half pkt., 50c.
CINERARIA. Finest large-flowering dwarf, mixed, 1000 seeds, 50c.
CYCLAMEN GIGANTEUM. Finest mixed, 200 seeds, \$1.00; half pkt., 50c.
GIANT PANSY. Best large-flowering, mixed, critically selected, 5000 seeds, \$1.00; half pkt., 50c.
Cash. Liberal extra count of seeds in all packets.

JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES

PANSIES

THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants in bud and bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500.
PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

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Grower of the Finest Pansies

**NEW CROP
FLOWER SEEDS**

Verbena Mammoth, in colors or mixed, 1/4 oz. 30c., oz. \$1.00.
Salvia Splendens, 1/4 oz. 35c., oz. \$1.25.
Salvia Bonfire, 1/4 oz. 75c., oz. \$2.50.
Lily Valley, Early Foreign, to close out, per 1000, \$11.00.
Fresh Tobacco Stems, Bale of 300 lbs. \$1.50.

W. C. BECKERT, Pittsburg, N. S. Pa.

March 28 and 29.—Travis & Park, one barrel plants; Vaughan's Seed Store, one case plants; McHutchinson & Company, 22 bundles trees; Russman, Galland & Weehmar, one bundle plants; J. L. Vandever, one bundle plants; Tice & Lynch, four cases trees and plants; August Walker & Sons, 24 cases plants, one bale plants, one case plants; C. C. Abel & Company, 21 cases plants; Ammermann & Patterson, six cases plants.

LAWN SAND—SAND MANUFACTURED.—Protest of W. W. Rawson & Co., Boston, heard before Board 3 of the General Appraisers, March 13, 1908. An article involved as climax lawn sand, which was classified as an unenumerated manufactured article under section 6, tariff act of 1897, was claimed to be free of duty under paragraph 671, relating to "sand, crude or manufactured." The following opinion was rendered by Waite, General Appraiser: " * * * This merchandise consists of a chemically treated, finely powdered sand, which is put up in tins and kegs and sold for the purpose of destroying weeds in lawns. According to the testimony of the importer and the advertisement on the tin which is in evidence before us, this sand will burn out the weeds if applied in a dry state; the subsequent application of water neutralizes the acid in the sand, converting it into a fertilizer.

"The report of the United States chemist on the article is as follows: 'Sand chemically treated with about 5 per cent. of green vitriol or sulphate of iron. The sulphate of iron is the active ingredient in the mixture, and is of value as a weed killer by reason of its astringent properties.' The vitriol seems to be the only foreign substance contained in the commodity, and this, we think, will not remove it from the provision in paragraph 671 for 'sand, crude, or manufactured.' The protest is therefore sustained and the collector's decision accordingly reversed. Note G. A. 5006 (T. D. 23319), in which the Board held that a sand which was colored black by the use of some organic coloring matter should be admitted free under paragraph 671."

Seed Trade Notes.

We are certainly destined to have a normal seed selling season; and it does seem good, indeed, to experience once more the old-time rush of March. The weather conditions almost everywhere are favoring the preparation of the ground for the crops, and the first early plantings; we are to have an early Spring, with all the many substantial benefits that go with it. So strong and steady are the orders coming, that even with night work and full time on Sundays by many houses, it is absolutely impossible to keep the orders up-to-date as regards filling.

In line with the advancing tendency of contract prices of practically all seeds for the sales of 1909, the growers of peas and beans are holding for and placing contracts at advances of from 25 to 50 cents per bushel above last season's rates. The explanation and cause of this is found in the steady and perfectly enormous demand of the vegetable canning industry. As a most prominent grower of garden peas said to the writer this week, "Of course, we growers are as always pushing for the bean and pea contracts of the seedsmen for the coming year; but you, of course, know times have and are changing, and what now keeps up the contract prices for beans and peas to a profitable level is the orders of the canners. No longer are we (the growers) obliged to accept, say, \$1.75 to \$2 per bushel on contracts for early peas—those days have forever gone let us hope; it is surely the canner who has saved the bean and pea growing end of the business from bankruptcy."

The retail over-the-counter cash order rush is very rapidly carrying off what little sweet corn our seedsmen have been holding in reserve for these profitable sales; and it certainly is very much to the credit of our seedsmen that they have not taken advantage of the situation and crowded up the retail prices of sweet corn and all the other short items.

Onion sets have reached the jobbing price I set for them to be April 1, many weeks ago; white sets are \$3.75 to \$4 per bushel, with red and yellow sorts \$3.25 to \$3.50. The demand for onion sets of all kinds is very active, but as far as red onion sets go they are becoming very scarce. Another price advance seems sure.

As regards Autumn bulbs, seedsmen, as a rule, are very carefully considering the situation before placing their orders with our Holland friends for hyacinths, tulips, crocuses, etc., for this Fall's trade. That orders for this class of stock given this year will be considerably contracted, as compared with the past two or three seasons, there can be no question. We may, of course, recover from the business depression effects of the recent panic sufficiently by another Fall to make a good bulb business possible, but at present seedsmen feel in a conservative mood regarding bulb purchases.

The market for grass seeds and clovers is still advancing; surely it has been years since both timothy and red clover were so high in price at the same time. When even the best grades must bring \$3.50 per bushel and 28 cents per pound respectively, no wonder customers hesitate a little.

European Notes.

Fifteen days of almost continuous rains in the seed growing districts of western France and a fairly liberal share of frost, snow and sleet in the district lying between Paris and the North Pole are not very stimulating to trade or to the development of our plants. Speaking broadly, the season so far as outdoor cultures are concerned is fully three weeks later than last year and temperatures remain steadily below the normal. Judging by last year's experience there will not be any settled fine weather until Easter, and that is still a far cry ahead.

Continuing our notes on flowers for florists, our cyclamen now make a magnificent display, and are full of promise for seed. The only special features to record are, first, the growing popularity of the salmon-tinted sorts. While the greater number of varieties of this tint are offered in England, both France and Germany are in the running. Up till now the size of the flowers of the best variety is not more than two-thirds of that of *C. grandiflora alba*. The color is very effective by artificial light.

The second point is the great improvement in the size and form of the flowers of the fringed or Papilio section. Plants recently exhibited by some of the English growers are equal in every respect to the best *grandiflora* strains. The firm of Vilmorin is offering as a novelty a sweet-scented variety, but cyclamens with scented flowers have been well known to the writer for nearly fifty years and one at least of the London wholesale firms catalogued corms of this variety in the early seventies.

A great effort is making to popularize the so-called cactus cineraria, but despite several excellent displays from the cultural standpoint the plant does not catch on.

The outlook for novelties and specialties for 1909 will soon commence. Enterprising seedsmen in settled localities would do well to offer roots of the lovely *Incarvillea Fargesii*. It is a distinct species from Northern China, dwarfier than *I. Delavayi* and with flowers very much larger. The color is a rich deep crimson, with a beautiful clear white and yellow throat. The plant is easy of cultivation in sandy loam. Seed will no doubt be offered a little later on. When not in bloom the plant is quite equal in decorative value to many ferns.

It is a big drop from florists' flowers to the clover market respecting which very little has been reported lately because nothing worth reporting has occurred. Trade in this article is practically stagnant because holders of prime yearling seed refuse to part with it unless they obtain what they consider to be its full value. Dealers who have an export trade affirm that all now in store could easily be exported to your side at more reasonable figures, but holders are firm in the belief that buyers must ultimately submit, and appear to be utterly oblivious of the fact that sowing time will soon be over. Only red clover is referred to in the foregoing; the other varieties do not call for any comment.

Henry Nutting, partner in the firm of Nutting & Sons, London, died from heart disease on March 18, surviving his wife just 26 days. Although he had for some time past suffered from *Anzina pectoris* he was able to be in the trial garden the day before his death and wrote a very cheerful letter to his firm in the evening. He was the younger of the two sons of W. J. Nutting, who severed his connection with the firm of Flanagan, Chubb

& Nutting in 1842 and started a wholesale seed business of his own at 46 Cheapside, London. He married a daughter of Mr. Flanagan, also a seed merchant at Mansion House street, London. The latter firm has been out of existence for many years. EUROPEAN SEEDS.

DUTCH BULB GROWERS' SOCIETY OF HAARLEM (HOLLAND).—Since January fortnightly meetings have been organized by this society, at which new and interesting bulbous plants may be shown for certificates and awards. The following awards have hitherto been given. First-class certificate for single early tulip, Brilliant Star, orange scarlet with black base; for Tulipa *Posteriana*, a species with enormous scarlet flowers with yellow or black base; and for *Hippeastrum procerum*, a scarce, mauve-colored species. Awards of merit for single early tulip *La Reine des Reines*, lovely pink; and for single early tulip *Hermann Schlegel* or *Primrose Queen*, a sport from the well-known *La Reine*, flower light sulphur, shaded white. Gold medal for a group of new seedlings of *Freesia Tubergeni*; and silver medals for groups of forced single and double tulips and *Darwin* tulips.

Standard Classification of the Dahlia.

As adopted by the New England Dahlia Society.

Dahlias are double, semi-double or single.

A.—DOUBLE DAHLIAS consist of a close mass of ray florets and in their perfect form show no central disc. They include three types:

I.—The globular or show type, approximately spherical in shape, having florets nearly equal in length and breadth, often quite circular and always incurved, rolled or cupped.

II.—The decorative type, having flowers flat or approximately so, with flat florets.

III.—The cactus type, distinguished by long relatively narrow florets rolled back.

POMPON OR LILIPUTIAN dahlias are small-flowering varieties of the double types.

B.—SEMI-DOUBLE DAHLIAS have two or more rows of ray florets surrounding a well defined central disc.

C.—SINGLE DAHLIAS have a single row of ray florets surrounding a central disc. The typical single dahlia has eight such florets.

Plain flowers have but a single color, or if bi-colored have the ground color lighter than the tips.

Fancy flowers are striped or have the ground color darker than the tips. This distinction applies to all types.

Recognized classes for exhibition are:

SHOW DAHLIAS.

- a—Plain.
- b—Fancy.
- c—Other sub-divisions.

DECORATIVE DAHLIAS.

Any sub-divisions.

CACTUS DAHLIAS.

Any sub-divisions.

POMPON OR LILIPUTIAN DAHLIAS.

Any sub-divisions.

SEMI-DOUBLE DAHLIAS.

- a—Holland Peony-Flowered.
- b—Any other sub-divisions.

SINGLE DAHLIAS.

- a—Collarette.
- b—Anemone-Flowered.
- c—Giant-Flowered.
- d—Any other sub-divisions.

The above is simply a classification, and should not be misconstrued. In the April issue we shall publish a set of rules for judging in connection with a schedule for our Fall exhibit, in which will be enumerated all such varieties of dahlias or types which should be classed as "other sub-divisions."

We intend for once to do away with the annually occurring disputes and arguments on the right of exhibiting certain dahlias, such as Mrs. Chas. Turner, in either the class of cactus or decorative, or both.—*Dahlia News* for March, 1908.

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235 " "	4-5	35c.	400 Ligustrum Iboia	3-4	35c.
260 " "	5-6	40c.	30 " "	4-5	40c.
45 Deutzia gracilis	1-1½	15c.	10 " "	6-7	50c.
147 " "	1½-2	20c.	200 Lonicera Morrowii	3-4	35c.
298 " "	2-2½	25c.	175 Philadelphus coronarius	4-5	40c.
210 " "	2-3	30c.	25 grandiflorus	4-5	40c.
30 Diervilla (Weigelia) rosea	3-4	30c.	137 Spiraea opulifolia	5-6	3 c.
95 " "	4-5	35c.	288 " "	6-7	40c.
355 " "	5-6	40c.	327 " " aurea	5-6	35c.
100 Forsythia Fortunei	4-5	30c.	177 " "	6-7	40c.
150 " "	5-6	35c.	200 Symphoricarpos Vulgaris	3-4	30c.
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6 year old, standard pyramids, 4-6 ft. high, 3-4 ft. in diameter, \$75.00 per 100.
6 year old, 3-4 ft. high, 2½-3 ft. in diameter, \$60.00 per 100.
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ELMS, American, straight and fine heads, 11-12 ft. high, 1½-2 in. caliper, \$40.00 per 100.
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EUROPEAN LINDENS, 12-16 ft. high, 2-3 in. caliper, \$60.00 per 100.
ALTHAEA, double, white with maroon center, 6-6 ft. high, \$15.00 per 100.
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SPIRAEA BILLIARDI, 3-4 ft. high, \$8.00 per 100.
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YUCCA FILAMENTOSA, blooming plants, \$35.00 per 100.
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Sea Buckthorn, Hippophae Rhamnoides.

A beautiful shrub when in berry, yet one rarely met with in collections, is the sea buckthorn, Hippophae rhamnoides, a native of England as well as of some parts of Asia; the Asiatic one differing but little from the English. The beauty of this shrub lies in its orange colored berries, which are closely set around its shoots, ornamenting the bush greatly in Autumn and early Winter. This fine shrub is quite hardy with us, and no doubt it would be oftener seen than it is were it not for the fact that its male and female flowers are borne on different plants, hence those who have but a single bush of it get no berries. In fact, if one had two or three plants it might be that there would be no berries, as all might be of the one kind. When propagated from seeds, several plants should be set out together, three or four, when the chances would be that both sexes would be among them.

Nurserymen often propagate them from layers. In this case, if the two sexes are known, a group of two or three of the female with a male plant in the center would give a clump of berried plants of great beauty.

The Monkey Puzzle, Araucaria Imbricata.

A friend who writes from Kentucky asks if we think the Araucaria imbricata would succeed on his place in Delaware, a few miles below Wilmington. While we think it doubtful of thriving there, were the case ours and we had a well sheltered place for it, and near the Delaware River, we would certainly try the plant. This curious evergreen will survive the mercury falling to 15 degrees or so for a night or two, but to freeze so much day after day through the Winter, sometimes for weeks at a time, might be its undoing. The proximity of large bodies of water is a great help to it. Record has been made of a small plant of it which passed through more than one Winter in the old nursery of Robert Buist, along the Schuylkill, in Philadelphia, but it probably succumbed to the cold at last. No doubt a little south of Delaware this araucaria could be grown in certain protected places. There are records now of its succeeding in the warmer parts of Tennessee. It would be very interesting to have word from our readers as to how far north they know of its thriving.

In British Columbia it is a popular evergreen; the climate suiting it well; and all gardeners from Europe know how it adorns the lawns in so many places there.

Autumn Fruiting Raspberries.

Many years ago attention was given to the cultivation of the Autumn fruiting raspberries, but whether it was that the experiments were not satisfactory or lack of interest in the subject that caused the disappearance of the plants from cultivation, we are unable to say. There were two prominent sorts at that day—the Belle de Fontenay and the Marvel of the Season—both European kinds, and then the Catanissa was also classed as a Fall bearing one. The latter belonged to the black cap section.

In England these Autumn-bearing sorts are still esteemed and cultivated, the name Belle de Fontenay appearing in the list of sorts, together with two others—October Red and October Yellow—varieties not known here that we are aware of.

The Autumn sees such a lot of fruit of all kinds here that plants out of season, such as Fall-bearing raspberries, do not seem to be as much appreciated as they would be were fruit scarcer. Still, the curiosity of raspberries in late Autumn would make many wish to have such late kinds in their gardens.

These Autumn-bearing kinds need different pruning from those that fruit at the ordinary period. The berries come on the young shoots of the same season; the rule is to cut all the canes to the ground in late Winter or early Spring. When the plants are vigorous the cutting down causes strong shoots to spring up, and these bear the fruit. The Autumn-bearing depends on the cutting down in Spring; in fact, the common raspberries will sometimes bear in Autumn when treated in this way.

Two of the Earliest Blooming Shrubs.

The Jasminum nudiflorum, Lonicera Standishii and L. fragrantissima are early flowering, but none of these is strictly a shrub. The jasminum is a vine, and both the loniceras are of a straggling, half climbing habit.

Among good old standbys in real hardy shrubs that bloom early the Cornus Mas and Daphne Mezereum are reliable. At this writing, March 26, both are in full display of flower. The cornus has small, yellow blossoms set all along its shoots. The flowers are not large, but they are so numerous that the display a bush makes is discernible a long way off.

The daphne exists in both white and pink varieties. It is thoroughly hardy; and, as said, it is now in full display. The white one is a cream white; and the flowers of the daphne are also arranged along the length of the last year's shoots, as are those of the cornus. The value of the daphne is helped by the sweet perfume of its flowers. Children call it "honey scented." In a room a plant when in bloom perfumes the whole space. It is a wonder florists having a city trade do not take up this daphne as a hardy, sweet-scented shrub for selling to their customers. Why, if some of the

State Florists' Association... The Berckmans... golden foliage...

It is not done in the State... of Arbor vita... In the warmer States... frostings are not too early... for pot culture there are many varieties...

This is the season to pot them... They are then ready for Summer use... for use in tubs on lawns... in better condition for later sales...

Popularity of the Rose of Sharon.

An old-time favorite shrub which holds its popularity well is the rose of Sharon, Hibiscus syriacus, the althea, as so many call it. There are many reasons for its extensive planting. It exists in great variety; probably twenty five distinct kinds are carried on the lists of many nurserymen, and at any time from Midsummer until frosts come there are flowers to be had from one kind or another. There are early flowering sorts and late blooming ones, so that, ordered of the right kinds, one or the other will display flowers covering the period named. What adds to the value of this shrub is the fact that it never grows too large. If permitted to grow at will the rose of Sharon makes almost a little tree. On grounds some of this kind may be seen ten feet high and with thick limbs, but the fact is, that one need not have them over any height less than that given, because they not only endure severe cutting back, but actually are the better for it. The flowers come from the new shoots of the same season, so cutting back in late Winter should be done. The strong shoots which follow give fine flowers. It follows that the althea can be planted anywhere without a thought of its growing too large for the position.

The variegated leaved althea, Brist's variegated, makes a beautiful shrub, the variegation being so distinct and the foliage standing out hot Summers well. This one bears dark crimson flowers which never entirely unfold a feature, some think, which rather adds to its value instead of detracting from it.

What has been said of the pruning of this shrub applies with equal force to the well known Hydrangea paniculata grandiflora. It may be permitted to become a large bush if desired, but the best flowers come from bushes kept low by annual pruning back.

Memorial Day Flowers.

Memorial Day flowers are looked on as such as can be utilized for cemetery uses on that day. Grand Army Posts are still the largest users of flowers then, and what they employ in the bouquet line are largely of the character of hardy shrubs. Of all the shrubs blooming at that time none approaches in usefulness the snowballs and the weigelas. These are the mainstays of many Posts, the foundation of the bouquets they use. A few other flowers are utilized with them, but when the snowball and the weigelia can be had, there is hardly a bouquet that does not contain them.

As years go by and the number of graves increases, large quantities of flowers are required and so great is the call that it has become almost impossible to keep up the custom of placing a bouquet on each grave, and pot plants are being substituted.

With the snowballs and the weigelas mentioned, such flowers as iris, veronica, peonies and many herbaceous plant blooms are always useful, but those of a very succulent nature are no good, flagging too quickly. This, in fact, holds good with some of the shrub species. It is always warm at the Memorial Day season, and unless the flowers are of a large nature, they almost disappear in a few hours of hot weather.

Even in design work, as the pieces are usually of a large character, the snowball, the weigelia, the peony and like flowers are much in evidence, together with the usual florists' flowers.

Some of the Philadelphia cemeteries now contain over 1,000 graves of veterans of the war, so it will be understood what a demand Memorial Day creates. It is not alone the G. A. R. Posts that need flowers, it is now the general custom of others to be at the cemetery lots on that day. Joseph H. ...



Hibiscus Syriacus, The Rose of Sharon.

Photo by W. H. Waite.

large department stores could be assured of a number of the plants in pots, more than likely they would engage them. The shrub is never of a large size, being seldom seen more than 3 or 4 feet in height; and when but a foot high it will flower. The common name, "garland flower," is sometimes applied to this daphne, but its application is not apparent.

The Beautiful Gordonia Tree.

One of the rarest of small trees and at the same time one of the most beautiful is the Gordonia pubescens, known as the Franklin tree, at one time having been called Franklinia pubescens. It commences to flower when quite young; plants three feet high will often bloom, and every year of its life thereafter it flowers beautifully. The blooms are like a large single white camellia, having a cluster of yellow stamens in the center, and these flowers are produced from August until November or until freezing weather comes. This lovely tree need not be so rare were its propagation attempted by those who possess a plant of it, as it roots from layers, also from green wood cuttings, made in Summer, and placed in a greenhouse. About the close of August is a good time to make such cuttings, and in a short time they root. Some prefer to grow the young plants in pots altogether until of some size, then plant them outdoors. The most suitable place seems to be a half shady, moist one, with deep soil.

Chinese Arbor Vitae for the South.

Those of our florists and nurserymen who have a Southern trade would find the Chinese Arbor vitae and its varieties good evergreens to recommend and grow for this purpose. This particular species is far more at home in the South than in any of the Northern

The Proposed Pure Seed Act.

Subjoined is the full text of the Mann Pure Seed Bill, briefly referred to in last week's issue:

A Bill to Regulate Commerce in Adulterated and Misbranded Seed and to prevent the sale or transportation thereof, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the introduction into any State or Territory or the District of Columbia from any other State or Territory or the District of Columbia or from any foreign country or the shipment to any foreign country of any seed or bulbs adulterated or misbranded, within the meaning of this Act, is hereby prohibited; and any person who shall ship or deliver for shipment from any State or Territory or the District of Columbia to any other State or Territory or the District of Columbia or to a foreign country, or who shall receive in any State or Territory or the District of Columbia from any other State or Territory or the District of Columbia or foreign country, and having so received shall deliver or offer to deliver, in original unbroken packages, for pay or otherwise, to any other person any seed or bulbs adulterated or misbranded within the meaning of this Act, or any person who shall sell or offer for sale in the District of Columbia or any Territory of the United States any such adulterated or misbranded seed or bulbs, or export or offer to export the same to any foreign country, shall be guilty of a misdemeanor, and for such offense be fined not exceeding two hundred dollars for the first offense, and for each subsequent offense not exceeding three hundred dollars or be imprisoned not exceeding one year, or both, in the discretion of the court. The Secretary of Agriculture shall make uniform rules and regulations for carrying out the provisions of this Act.

Sec. 2. That the term "seed" as used in this Act shall include all vegetable, flower, cereal, grass, clover, forage plant, and other agricultural and horticultural seeds intended for seeding purposes.

Sec. 3. That for the purposes of this Act seeds and bulbs shall be deemed to be adulterated:

First. If seed purporting to be orchard-grass seed contain more than two per centum of seed of rye grass or meadow fescue; if seed purporting to be Kentucky bluegrass seed contain more than two per centum of seed of Canada bluegrass; if seed purporting to be red-clover seed contain more than two per centum of seed of yellow trefoil; if seed purporting to be alfalfa seed contain more than two per centum of seed of yellow trefoil, burr clover, and sweet clover singly or combined; or if any seed or bulbs purporting to be of one kind or variety contain more than two per centum of another kind or variety, such other seed or bulbs being similar in appearance or of lower market value; Provided, That no seed or bulbs shall be deemed adulterated within the meaning of this paragraph when it is accompanied by a statement or label in the form and manner prescribed by the rules and regulations in this Act provided for, giving the name and amount or proportion of each of the kinds or varieties of seeds or bulbs contained therein.

Second. If seed of red clover, alsike clover, alfalfa, or Egyptian clover contain seed of dodder; or if any seed contain weed seed, rendering it unfit for seeding purposes; Provided, That the provisions of this paragraph shall extend only to seed intended or offered for export to or imported from a foreign country.

Third. If any seed or bulbs contain, respectively, dead seed or dead bulbs or any other matter materially reducing the value for seeding or planting purposes; Provided, That this paragraph shall extend only to seed and bulbs intended or offered for export to or imported from a foreign country.

Fourth. If there shall be added to seed any weed seed or dead seed or any other matter materially reducing its value for seeding purposes.

Sec. 4. That for the purposes of this Act seed and bulbs shall be deemed to be misbranded:

First. When one kind or distinguishable named variety of seed or bulbs shall be offered for sale under the name of another kind or distinguishable named variety of seed or bulbs.

Second. If in package form, and the contents are stated in terms of weight or measure, they are not plainly and correctly stated.

Third. If the article be falsely labeled or branded as to the State, Territory, locality, or country in which it is raised or produced.

Sec. 5. That no dealer shall be prosecuted under the provisions of this Act

when he can establish a guaranty signed by the wholesaler, jobber, or other party residing in the United States from whom he purchases such articles, to the effect that the same is not adulterated or misbranded within the meaning of this Act, designating it. Said guaranty to afford protection of the party or parties making the sale of such articles to such dealer, and in such case said party or parties shall be amenable to the prosecutions, fines, and other penalties which would otherwise attach in due course to the dealer under the provisions of this Act.

Sec. 6. That the Secretary of the Treasury shall deliver to the Secretary of Agriculture, upon his request, from time to time samples of seed and bulbs being imported into the United States or offered for import, giving notice thereof to the owner or consignee, who may appear before the Secretary of Agriculture and have the right to introduce testimony, and if it appear from the examination of such samples that any seed or bulbs offered to be imported into the United States is or are adulterated or misbranded within the meaning of this Act, or is or are otherwise falsely labeled in any respect, or is or are of a quality forbidden entry into or forbidden to be sold or restricted in sale in the country from which exported, or is or are intended for adulteration purposes, the said seed or bulbs shall be refused admission under such regulations as the Secretary of the Treasury may prescribe: Provided, That the Secretary of the Treasury may deliver to the consignee such seed or bulbs, pending examination and decision in the matter, on execution of a penal bond for double the amount of the full invoice value of such seed or bulbs, together with the duty thereon, and on refusal to return such seed or bulbs for any cause to the custody of the Secretary of the Treasury when demanded, for the purpose of exclusion from the country, or for any other purpose, said consignee shall forfeit the full amount of the bond.

Sec. 7. That the term "Territory" as used in this Act shall include the insular possessions of the United States. The word "person" as used in this Act shall be construed to import both the plural and the singular, as the case demands, and shall include corporations, companies, societies, and associations. When construing and enforcing the provisions of this Act, the act, omission, or failure of any officer, agent, or other person acting for or employed by any corporation, company, society, or association within the scope of his employment or office, shall in every case be also deemed to be the act, omission, or failure of such corporation, company, society, or association as well as that of the person.

Sec. 8. That this Act shall be known, described, and designated as the Pure Seed Act of 1908.

Sec. 9. That this Act shall take effect and be in force upon the expiration of six months after its passage.

The bill (H. R. 13835 first session of the 60th congress) introduced by Representative Mann of Illinois, January 15, 1908, was referred to the committee on interstate and foreign commerce and ordered to be printed.

On March 20 the bill was reported with amendments, referred to the house calendar, and ordered to be printed.

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NEW CANNAS 1908

ROSEA GIGANTEA

This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2 1/2 inches across; color, a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. (A great favorite with visitors to our trial grounds.) Strong plants, \$2.00 each, prepaid; \$18.00 per doz. by express, not prepaid.

GLADIO-FLORA

Remarkable for the unusual shape of the flowers, which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap

each other, thus giving a very attractive appearance to the flowers. Color is crimson, changing to carmine rose with an uneven edge of gold to each petal. Height, 3 1/2 feet. Price, strong plants, \$2.00 each, prepaid; \$18.00 per doz., by express, not prepaid.

CANNA METEOR

Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich; each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all Summer through. Price, plants or dormant roots, 75c. each, postpaid; \$5.00 per doz., by express, not prepaid.

NEW CANNAS OF SPECIAL MERIT

WILLIAM SAUNDERS

(1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze

Height, 3 1/2 to 4 feet. We believe that Wm. Saunders is decidedly the most perfect canna of this type that has been introduced. Those who tried Wm. Saunders in 1907 say it cannot be excelled. We offer plants only: 60c. each, postpaid, \$5.00 per doz., \$35.00 per 100, by express, not prepaid.

60 other Varieties. Send for list and prices

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| 12 Alba plena , sweet white | 12 Modeste Guerin , rosy purple. |
| 12 Duke of Wellington , yellowish white. | 12 Nobilissima , large, bright deep pink. |
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| 10 Faust , lilac pink. | 12 Queen Victoria , white rose. |
| 12 Festiva maxima , large, pure white. | 12 Sappho , dark red. |
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150 Plants. Price for the lot \$15.00.

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5000 CANNAS

LOUISIANA, beautiful dark red, orchid-flowering, strong roots, with 2 and 3 eyes, \$6.00 per 100; 200 for \$10.00.

20,000 DWARF BOXWOOD for borders.

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500—15 to 18 in. \$5.00 per 100
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NOVELTIES: Eastera Beauty, \$2.00; R. Wallace, \$3.50 per 100; Indiana, Wyoming, Graf Waldersee, Hoffgarter Hoppe, Chatana, \$4.50 per 100; Queen of Beauty, \$2.00 per dozen; \$15.00 per 100. Our new seedling W. E. Cottrell, the best dark pink yet, 25c. each; \$2.50 per dozen; \$18.00 per 100.

Started plants of Cannas, started in sand, ready after April 15, same price as dormant roots; place your order now. A collection of 50 novelty CANNAS, all correctly labeled, started plants, for \$2.50.

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R. C., 90c. per 100, \$7.50 per 1000; 2 1/2-in. \$3.25 per 100, \$20.00 per 1000; 4-in. \$6.00 per 100. All extra fine.



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Rogonis, assorted, our choice 2-in.		2.50
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Ferns—Boston, 4-in.	\$8.00	and 10.00
Pieron, 4-in.	8.00	and 10.00
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LAWSON	Per 100	Per 1000	VICTORY	Per 100	Per 1000
WINSON	\$1.50	\$15.00	BEACON	\$3.00	\$30.00
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Have lilies, the best in the land. the best in the land, the best in the land.
Azaleas, the finest colors to beat the band, to beat the band, to beat the band.



If you would know the fairest sight your eyes can ever see, Where the most perfect plants are grown, to Aschmann come with me, Why, ne'er since flowers began to bloom was such a glorious show Of all the best that florists need, found in one place to grow. The lilies are the very best yet seen on Easter Day; Azaleas are whole sheets of flowers, perfect in every way. The araucarias matchless are; so are the ferns all green, With bulbs and plumed spires, the best you've ever seen And Aschmann gives a challenge, let every florist hear. For flowers or prices either, no rival does he fear. If you wish to gather dollars, like violets in the Spring, Then send your largest order—his plants the cash will bring.

An immense stock of choice Easter Plants, blooming Easter week or earlier if desired, are now ready for immediate shipment. Never mind about that nonsense hard time talk. Everybody wants plants for Easter, and no joke about it. Our reputation from Atlantic to Pacific in shipping Easter plants for the wholesale market the last twenty years is sufficient ground that we mean business, and have what we advertise.

Have Azalea Indica to beat the band. We take the lead in the American market for them. We never so nice as this year—good foliage well ludded. We make a specialty of importing every year an immense stock of the choicest varieties, popular in America, grown under contract for us by an azalea specialist in Ghent, Belgium. If you need azaleas, do not look in vain around the country for bargains, but come or write direct to us. We will be able to supply you with the best obtainable for the American market, in medium sizes, full of buds, in good healthy condition, right for Easter.

All our azaleas are planted in 6 and 7 in. pots as soon as they arrive in October from Belgium. In justice to all our azalea buyers, we do not sell any in the Fall (having the best picked out for Fall trade), but keep them all for Christmas and Easter orders. We have a whole house full of Mme. Van der Cruyssen (best double pink) that makes your mouth water, all as round as an apple, covered with buds, 60c., 75c., \$1.25, \$1.50, \$1.75 and \$2.00 each. Next we have Simon Mardner (double pink), Verveenaena (rose variegated double), Deutsche Perle (white), Niobe (double white), Bernard Andrew alba (double white), Prof. Walters, Empress of India (double variegated), Apollo (red), and about 6 more varieties.

All goods must travel at purchaser's risk. To save express charges, please mention if plants are to be shipped in or out of pots. Cash with order, please. Strictly no references can be investigated in such busy shipping seasons.

GODFREY ASCHMANN
Importer, Wholesale Grower and Shipper of Pnt Plants.
1012 W. ONTARIO ST. PHILADELPHIA, PA.

PLANT CULTURE
PRICE \$1.00.

A. T. DE LA MARE PTG. & PUB. CO.
2 DUANE STREET, NEW YORK

Prices Advertised in these Columns are for

Price: 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75 and \$2.00 each. Only large sizes of Bernard Andrew alba, at \$1.00, \$1.25, \$1.50 and \$2.00 each.

Easter Lilies, Japan Multiflorum, of our own importation, raised from best 10 in. bulbs obtainable. Have the finest lot this year we ever had any season; showing buds now; just right for Easter. Medium sizes 13 in. to 40 in., 10c. per bud for plants over five buds, and 12c. per bud for plants under five buds. About 5000 good plants to offer. Owing to fact that demand every year exceeds supply, kindly send order early as possible.

On account of there being so many diseased bulbs among those obtained from Japan, which have to be thrown out the cultivation of lilies is no longer profitable, therefore we ask our customers to order a reasonable amount of azaleas and other stock when ordering lilies.

Cineraria, Hybrid Grandiflora, best improved strain, 5 in., \$2.00 per 100; 6 in., \$3.00-\$4.00-\$5.00 per doz.; right for Easter, in bud, partly in bloom now.

Hyacinths of my own importation, raised from first-class bulbs only. King of the Blues, dark blue; Giant Maitre, lavender blue; Gertrude, pink; La Grandis, white, 4 in. pots, \$12.00 per 100. My hyacinths cannot be compared with those raised from poor, cheap bulbs flooding the market.

Toucan Tulips. This variety is the best double red and yellow variegated, and sells at sight. It is valuable because it will remain open in good condition for 10 days. Price: 2 bulbs planted in a 4 in. pot, \$1.50 per doz., or \$12.00 per 100 pots.

Von Zion Daffodils. This is the best double yellow narcissus on the market; good seller, 3 double-sized bulbs planted in a pot, 5, 5 1/2 to 6 in. pots, price, \$2.00, \$2.50 to \$3.00 per dozen pots.

Roses, Hybrid and Hermosa, 5 1/2 in. pots, two to three feet high, grafted stock, in bud, 10c. 50c. each.

Paris Daisies 5 1/2 in. pots, 25c. each. Moon Vines, or the well-known Pomona Multiflora, which produces flowers as big as a saucer from bloom, very fragrant, and for which I have a reputation as grower and shipper all over the country for the last twenty years, now ready, 2 1/2 in., \$5.00 per 100.

Araucarias Robusta, Compacta and Excelsa. A perfect marvel of nature. We are one of the heaviest importers and growers of this beautiful decorative plant, the Araucaria. Prices: 6-7 in. pots, 6-year-old, 4-5-6 tiers, 28 to 40 in. in height, the same in width, only \$3.00; 6-7 in. pots, 6-year-old, 4-5-6 tiers, 25 to 28 in. high, \$2.00 and \$2.50; 6-7 in. pots, 5-year-old, 3-4 tiers, 18 to 25 in. high, \$1.50 to \$1.75. Excelsa, 6 in. pots, 5-year-old, 5 tiers, 22 to 25 in. high, \$1.00; 6 in. pots, 4-5 tiers, 4-5-year-old, 18-20-22 in. high, 75c.; 5 1/2 in. pots, 3 to 4 tiers, 8-10-14 in. high, 50c. each.

Ferns. Raised in pots, not lifted from benches. Nephrolepis Scottii, 6 in. pots, 50c. to 75c.; 7 in. pots, \$1.00 each.

Nephrolepis Piersoni, 5-5 1/2-6 in. pots, 35c. 10c., 50c.

Nephrolepis Bostoniensis, 8 in. pots, made up of three plants as big as a washub, \$1.25 to \$1.50; 7 in. pots, 75c. to \$1.00; 6 in. pots, 50c.; 5 to 5 1/2 in. pots, 30c., 25c., 40c.

Nephrolepis Whitmani, 8 in. pots, as big as a washub, \$1.25 to \$1.50.

Ferns for Dishes, 3 in. pots, 7c. each. Amerpohl, the new lace fern, 5 1/2 in. pots, 50c. and 70c.

Kentia, Forsteriana and Belmoreana, 4 in. pots, 20 in. high, 25c.; 5 1/2 in., 5 1/2 in., and 6 in. pots, bushy, stocky plants 50c., 60c., and 75c.

Latania Borbonica, 5 in., 20c.

Cocos Weddelliana, 3 in. pots, 10-12-15 in. high, 15c.

Ficus Elastica or Rubber Plants, home grown and Belgium stock, 18-20 to 40 in., 5-5 1/2 to 6 in. pots, 35c., 40c., 50c., 60c., each; 7 in. pots, 75c.

Begonia Flambeau, sells at sight 5 1/2 in. pots, 25c.

Begonia, new improved Erfordi, 4 in. strong, 20c.; 5 1/2 in., 25c. each.

Primula obconica, in bloom, 5 1/2 in. pots, 25c. each.

Hydrangea Otaksa. This is the best pink variety, already in bud, just right for Easter, 6 to 7 in. pots, 10c. 50c., 75c., \$1.00, \$1.25 each.

Spirea Gladstone. We offer only large stock. Our own importation, 6-7 in. pots, in bud now, just right for Easter, 50c., 75c., to \$1.00 each.

10,000 Hardy English Ivy

—AT—
\$5.00 per 100; \$40.00 per 1000

They are fine stock. Tops 1 1/2 to 2 ft., one to three stems to a plant, densely clothed with foliage in perfect condition. Just the thing for hanging baskets, stands, boxes, etc.

J. T. LOVETT
LITTLE SILVER, N. J.

CYCLAMEN

Splendens Gigantum Hybrids. Finest strain in the world, perfect flowers of Giant type in five true colors, twice transplanted from flats, \$3.00 per 100, \$25.00 per 1000; plants from 2 1/2 in. pots, \$5.00 per 100, \$45.00 per 1000.

CANNAS
Alphonse Bouvier, Florence Vaughan, Chas. Henderson, Chicago, Papa, Egandale, J. D. Cabos, Queen Charlotte from 3 in. pots, \$1.50 per 100, \$40.00 per 1000; started from sanded, \$3.00 per 100, \$25.00 per 1000.

GERANIUMS
S. A. Nutt, John Doyle, Castellane, Beate Poitevine, E. G. Hill, Mme. Landrey, Mme. Jaulin, La Favorite, etc., first-class grown stock in bud and bloom, from 4 in. pots, \$6.00 per 100.

CINERARIAS
Hybrida maxima grandiflora from 2 1/2 in. pots, \$2.50 per 100; from 3 in. pots, \$4.00 per 100.

SATISFACTION GUARANTEED
PAUL MADER, East Stroudsburg, Pa.

PLANTS FOR 2cts.

Asparagus Sprenger, 2 in., 2c. Swainsona alba, 2 in., 2c. Impatiens, Feverfew, Heliotrope, Cuphea, Coleus, White Ageratum, 2 in., 2c. Rose Geraniums, 2 1/2 in., 2c. PEPPERWEE, double white, nice young plants, 75c. per 100.

SINGLE HOLLYHOCKS, field, 2 1/2c. ASTERS, earliest, 3 colors, 40c. per 100.

VINCA var.; Alternanthera, red and yellow. Stock Princess Alice, 2 in., 2c. Forget-me-nots, Double Daisies, \$2.50 per 100.

Wallflowers, Digitalis, Campanula, field 1c. below prepaid.

Rooted Cuttings per 100

Petunia, double, 10 kinds, \$1.00; Swainsona alba, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 3 kinds, \$1.00; Vinca Variegata, 90c.; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00. Flowering Begonias, \$1.25. Coleus, 10 kinds, 60c.; Ageratum, Inimitable, white, 60c.; Alternanthera, 3 kinds, 50c.; Salvia, Bonfire, 90c.; Feverfew, Gem, \$1.00; Impatiens, \$1.00; Parlor Ivy, 75c.

Cash or C. O. D.
BYER BROS., CHAMBERSBURG, PA.

ASPARGAGUS Plumosus and Sprenger, strong plants, 3 in. pots, \$2.25 per 100.

STOCKS, double white, in bloom, 6 in., 20c. each.

ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100.

GERANIUMS, double scarlet and red, \$1.75 per 100.

ARAUCARIAS, 20 in., four tiers, \$1.00.

HYDRANGAEA Paniculata Grandiflora, 10 in., \$3.00; 18 in. to 24 in., \$6.00; 2 to 3 feet, \$8.00 per 100.

FERNS, Scottii, 4 in., 10c.; 5 in., 15c.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

J. H. DANN & SON
WESTFIELD, N. Y.

BLOOMING PLANTS FOR EASTER

HYDRANGEAS, good, strong, pot-grown stock, well branched, 5 in. pots, 25c. to 35c.; 6 in. pots, 50c. to 75c.

SPIREA Gladstone, extra strong, 6 in. pots, 25c. to 40c.; 7 in. pots, 50c. to 75c.

AZALEAS, specimen plants, leading varieties, \$1.00, \$1.25 and \$1.50.

EVENDEN BROTHERS, Williamsport, Pa.

THE WEEK'S WORK

Timme's Timely Teachings.

Dahlias.

The beginning of April is about as correct a time for the rooting of dahlia cuttings, the starting of root divisions for that sort of trade and the sowing of seeds for still another phase of the business, as it is possible for the interest of the grower to lit upon after years of arduous endeavor to avoid being either too early or too late. For the propagation by cuttings, of course, roots must be started into growth a week or two sooner, so as now to be able to begin taking off the first batches of cuttings. These roots, stock plants like others, cannot be expected to produce good material for propagation, unless given an opportunity to do so by cultural encouragement, a favorable position, in a warm, well-lighted house, of the bench or the boxes in which they are planted and regular attention to keeping up the required degree of moisture. The length of the newly made growth, which renders it fit to be taken off and rooted, is not the same with all varieties of dahlias; but, as with most soft growth cuttings, so here also it is well to bear in mind that long and especially lanky shoots, necessitating an almost midway cut below a joint, are least likely to root or, if they do, to grow into as fine plants as the short-jointed, sturdy shoots, not much over two inches in length, not cut off but forced off sideways by finger pressure and inserted as they are without ever being allowed to wilt. These will root in about two weeks the entire hundred per cent., and should then be potted up, and as they become established be gradually inured to outdoor conditions. A similar course of treatment suits the seedlings, easily raised and much liked by some people who prefer the single forms to any other better known type of dahlias. The dormant roots and started root divisions are not the stock the public has need to call for at the professional florist's, since every dilettante seems to have solved the problem of successfully carrying through the winter the roots of dahlias, while, on the other hand, in the wintering over of canna roots, however cautiously hoarded, the average householder invariably fails.

Cannas.

Good varieties of canna continue to be much called for and are exceedingly profitable stock every Spring. Three or four potted plants, displaying some top growth, is the kind of stock to offer. Anything in cannas started too early is apt to shoot up into a tall, shabbily appearing and usually flowerless stalk, a thing that nobody wants. To have cannas of certain kinds in bloom and perfect condition as show plants somewhat early is, indeed, a good plan, but requires greater care than is necessary in the forwarding of the general run of bedding stock. Clumps of canna roots, guarded against shriveling, decay or premature growth up until now, firm and solid every piece of them, should show the beginnings of new growth. If this is the case, the clumps, freed of the old soil still clinging to them, are cut up into as many pieces as there are crowns, allowing as near as possible a fairly good piece of root to each crown or cluster of crowns if extra fine plants are wanted, but at the same time trying to have these divisions no larger than is necessary, so as not to go beyond the size easily held and grown on in 3 or 4-inch pots. Pieces of roots, thus falling away in trimming down divisions, are placed in moss or earth either in boxes or some empty bench, are kept warm and moderately moist, and all, or the larger number of them, will push up shoots from latent eyes and are then also ready for being potted up and grown into saleable plants, a method to be adopted also in the case of clumps too backward in distinctly visible top growth for immediate division. Varieties wherever placed should be plainly labeled.

Christmas Solanums.

Cuttings from left-over plants of Jerusalem cherries root readily and also grow into berry-bearing specimens by next Winter, but are never as finely formed plants as those raised from seeds, though it usually requires two Summer seasons of good field culture to grow these latter

When Writing Please Mention THE FLORISTS' EXCHANGE.

into exceptionally fine and amply berried bushes. But it pays to proceed in this manner, as experience has shown. The seeds, sown either in trays or hotted at this season, are quick in sprouting, and the seedlings, once transplanted or potted up, rapidly grow into nice plants, big enough to go into the field at the proper time; or, if this suits the grower better, to be grown on with occasional shifts under continual pot culture a plan circumventing loss of leaves through lifting from the field in the Fall, an operation most bitterly resented by Jerusalem cherries unless performed with the greatest of care. A sowing of celestial peppers could well have been made some weeks ago, although it is by no means too late to start seeds now, should the raising of a goodly lot of these easily grown Christmas plants be on the season's program. Celestial peppers under materially the same treatment as advised for Jerusalem cherries, attain salable size in one season, all pot culture being resorted to in their case.

Campanulas.

Canterbury bells in all the varieties and colors to be had deserve in fullest measure the popularity which won for themselves a conspicuous place among hardy herbaceous plants in every garden. They are raised from seeds, sown thinly in a nicely prepared bit of ground out of doors from about now until the end of May. The seeds are so small and to be had at such a trifling cost that oft-repeated warnings against scattering too lavishly seeds of this character over the soil in sowing them seem necessary to restrain the less experienced from wasting seeds and spoiling seedlings. Sown as early as this the seedlings of Canterbury bells will be ready for being set out in the field by the end of May, will be strong bushes in the Fall and flowering plants the following Spring. As such they meet with ready sales at good prices. If the grower has never flowered these campanulas under glass he is likely to be deceived as to their possibilities under indoor culture from what he sees them do in the open. Let him bring in fifty, a hundred, yes, a thousand of the wintered-over clumps now, plant them firmly into a bench with at least six feet of free headroom—preferably a solid bed—water them well, tie up the fast advancing flower stalks where this is needful, and some time about Memorial Day or school commencements he will begin to reap the reward for his labor, an article in cut flowers, selling as fast as he can ship them, quite different from what it is possible to make Canterbury bells produce in open air culture.

Snapdragons.

Another instance of greatly enhanced value of the cut product by indoor culture is to be found in the case of snapdragons. These are now grown quite extensively, and their culture, simple and in no sense hazardous, is so well understood at present that it seems needless to go into the subject any deeper than merely remind growers that seeds started now, or cuttings taken from selected flowering plants at this season of year, can most readily be grown into prolific stock for next Winter. Constant pot culture is to be preferred until hunched to the open field, since they suffer a severe setback in being lifted in the Fall.

FRED. W. TIMME.

READY NOW

Finest double FUCHSIAS R. C., 75c. per 100; \$5.00 per 1000. Strong, stocky, 2 in., \$2.00 per 100. SALVIA Zurich, new dwarf ever-blooming variety. R. C., \$2.00 per 100. Strong, stocky, 2 in., \$3.00 per 100. AGERATUMS, S. Gurney and P. Pauline, R. C., 50c. per 100; \$4.00 per 100. S. Gurney, best dwarf blue, strong, stocky, 2 in., \$2.00 per 100. Cash with order.

J. P. CANNATA, MT. FREEDOM, N. J.

PANSY PLANTS largest flowering mixture of Shaw, variegated strong plants, out of cold frames, will bloom first of May, \$3.00 per 1000, inc. transplanted, in bud and bloom, \$1.25 per 100; \$10.00 per 1000. BELLS, in red and white, \$2.00 per 100. SWEET WILLIAM (double), large clumps, \$4.00 per 100. HARBY DOUBLE PINKS, fine, large plants, \$3.00 per 1000. All above 500 at 1000 rate. GUSTAV PITZONKA, Bristol, Pa.

BULBS AND AZALEAS

In the best of shape for Easter. Order now will ship when you want them. AZALEAS, 50c. 75c. \$1.00 each. TULIPS, all first size bulbs, in the best condition. La Reine, white shaded with rose, Artus, deep scarlet, very fine, Yellow Prince, yellow; Cottage Maid, pink striped with white, at 3c. a flower. Kaiserbrook, red and golden, bordered extra large, at 4c. The tulips run from 1 to 3 in. a pot. HYACINTHS, rose, white, blue, pink and purple, first size, 12c. each, second size, 10c. each. Van Sion, 3c. per flower, cash.

All of the above bulbs were potted in the Fall and not boxed. S. A. PINKSTONE, 20-22 Philip St., UTICA, N. Y.

Plants for Easter

- PRIMULA OBOVATA, 4 in. Doz. 100 \$0.75 \$6.00
HYACINTHS, 4 in. 10.00
DOUBLE-NOSED DAFFODILS, 4 in. (3 bulbs to a pot) 12.00
ASPARAGUS Sprengeri, 5 in. 1.50
ASPARAGUS Sprengeri, 3 in. 4.00
CINERARIAS, 6 in. 2.00
CINERARIAS, 4 in. 1.00
SPIREA Compacta, 7 in. 4.00
SPIREA Gladstone, 6 in. 5.00
DAISY, Alexander, 6 in. 3.00
DAISY, Giant White, 6 in. 2.00
DAISY, Giant White, 4 in. 1.00
GERANIUMS, white and red, 5 in. 1.20

J.S. BLOOM, Riegelsville, PA.

A FEW GOOD THINGS YOU WANT

- Cash with Order.
Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.
Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.
ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.
Dracaena indivisa, 2 in., \$3.00 per 100.
FERN, Scottii, 5 in., 30c. each.
GERANIUMS, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., \$1.25 per 100; Pot plants, 2 in., \$2.00; 3 in., \$4.00 per 100.
Tregoe, Castellane, Vland, Jaulin, Poitevine, R. C., \$1.50 per 100; Pot plants 2 in., \$2.50; 3 in., \$5.00 per 100.
VINCA VAR., 2 in., \$2.00 per 100.
Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.
GLADIOLUS BULBS, mostly light colors, \$1.00 per 100.
REX BEGONIAS, 2 in., \$5.00 per 100.

GEO. H. EMMANS, NEWTON, N. J.

EASTER PLANTS

My Easter stock is in the best of shape. EASTER LILIES, 10c. a bud. HYDRANGEAS, 4 to 8 in. pots, 15c. to \$1.00. DAFFODILS, 6 in. pots, three double-nosed bulbs, 15c. TULIPS, 4 in. pots, Tournefort, red and pink, 12c. HYACINTHS, 4 in. pots, 12c. CRIMSON KAMBER, American Beauty, La France, Frau Karl Druschki, Jacqueminot, Cochet rose plants, 4 to 6 in. pots, 25c. to \$2.00 per plant. GENISTA, 4 to 6 in. pots, 15c. to 30c. AZALEAS, 10 to 20 in. heads, 60c. to \$1.50 each. SPIREA, 6 in. pots, 35c. to 75c. per pot. Send in orders early and get first selection. Cash, please.

FRANK B. RINE, Lewisburg, Pa.

Moon Vines

3 in. pots, 75c. per doz., \$5.00 per 100. 2 in. pots, 50c. per doz., \$3.00 per 100.

COLEUS Verschaffeltii and Golden Bedder, rooted cuttings, \$1.00 per 100. Fancy varieties Coleus cuttings, 75c. per 100.

Cash with order. No C. O. D. All shipments at risk of purchaser after being delivered to the express companies, properly packed in good order. Address,

HILLSIDE CEMETERY CO., ROSLYN P. O. MONTY. CO., PA.

Commercial Violet Culture \$1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y.

CARNATIONS

Rooted Cuttings; Fine Healthy Stock READY NOW: Winsor 100 1000 \$6.00 \$50.00 White Enchantress 6.00 50.00 Helen M. Gould and Beacon 6.00 Melody 4.00 Dabehn and Estelle 3.00 Mrs. T. W. Lawson, Boston Market and Harlowarden 2.50 15.00 Kingston Pet, darker than Rose Pink Enchantress, from pots 7.00 Enchantress, Lady Beautiful, Red Lawson, Variegated Lawson, and White Lawson, 3.00 25.00 Plants from pots, add \$1.00 per 100, \$10.00 per 1000 to above prices of Rooted Cuttings.

CHRYSANTHEMUMS

A. J. Balfour, Autumn Glory, Ada Spaulding, Col. de Appleton, Crema, Cullingfordii, Dr. Enguehard, Dorothy Devens, Geo. Kath, Glory Pacific, Harry May, H. W. Reimann, Ivory, Jennie Nonin, J. E. Luger, J. H. Troy, Mrs. H. Robinson, Maud Dean, Meta, Mrs. Jerome Jones, Miss Minnie Wunnamaker, Miss Alice Byron, Mrs. Baer, Mrs. S. T. Murdoch, Miss M. M. Johnson, Major Bonaffon, Mad. Fred. Bergeman, Nagoya, Niveus, Opah, Polly Rose, Pink Ivory, Robt. Holliday, Soledad D'Ostober, Thos. H. Brown, Timothy Eaton, Vivian Morel, W. H. Lincoln, White Bonaffon, Mrs. Robt. McArthur, Wm. Duckham, Xenia, Yamma, Monrovia, A. A. Cabbold. Price from 2 1/2 inch pots, \$3.00 per 100, \$25.00 per 1000. Rooted Cuttings, \$1.50 per 100.

ASPARAGUS

Sprengeri, from 3 in. pots... 100 \$5.00 Plumosus Nanus, from 3 in. pots... 6.00 Plumosus Nanus, from 2 1/2 in. pots... 1.00

VERBENAS

Best Mammoth 100 1000 \$1.00 \$8.00

WOOD BROTHERS, Fishkill, N. Y.

Lilies and Easter Plants

LILIES, 12c. average 50c. and 75c. per plant, well packed and light. Order now and have sent in bud; will come in bloom in any cool greenhouse. DAFFODILS and NARCISSUS, 6 in. pans, \$2.50 per doz. HYACINTHS, Dutch, 5 in., \$2.00 per doz.; 6 in., \$3.00 per doz. DELIZIA, 7 in., 35c., \$4.00 per doz.

TAUNTON GREENHOUSES, Taunton, Mass.

ASPARGAGUS PLUMOSUS

CASH OFFER TO MAKE ROOM.

3 in. \$4.00 per 100, \$35.00 per 1000; 2 in. \$2.50 per 100, \$20.00 per 1000.

Cash With Order.

HUGH GRAHAM COMPANY, York Road & Leuden St., PHILADELPHIA PA.

SMILAX from 2 1/2 in. \$2.00 per 100, \$15.00 per 1000. SMILAX SEEDLINGS, from flats, 50c. per 100, \$4.50 per 1000. ASPARGAGUS Sprengeri, 4 in., \$6.00 per 100. SALVIA Bonfire, 2 1/2 in., \$2.00 per 100. SALVIA Bonfire, strong seedlings, 50c. per 100; \$5.00 per 1000. GERANIUMS, Nutt, Grant, R. C., \$1.25 per 100. CHRYSANTHEMUMS, from 2 1/2 in. pots, \$1.50 per 100. Cash with order. C. A. Peterson, MAIN STREET, MADISON, N. J.

200 VINCA VARIEGATA and 35 GREEN VINCA

1 year-old, 4 in. pots, from 10 to 16 shoots, good and strong plants, \$10.00 per 100.

G. HANSON 1025 S. Cameron St., HARRISBURG, PA.

MARIE LOUISE VIOLETS

Get a nice crop early for Easter, \$7.50 to \$10.00 per 100. Rooted runners from Marie Louise and Farquhar, etc. in healthy stock \$1.00 per 100, \$7.50 per 1000. Cash with order, please.

C. LAWRITZEN, Box 261, Rhinebeck, N. Y.

NEW VIOLET BOSTON

Entirely distinct, a strong grower, a free bloomer, and the finest single violet in cultivation. Ready for distribution in April and May. \$12.00 per 100; \$100.00 per 1000.

WILLIAM SIM, CLIFTONDALE, MASS.

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ADVERTISING RATES.

One-half inch, 75c.; ¾-inch, \$1.00; 1-inch, \$1.25; special positions extra. Send for Rate Card showing discount of 10c., 15c., 25c., or 35c., per inch on continuous advertising. For rates on Wants, etc., see column for Classified Advertisements.

THE NATIONAL FLOWER SHOW, under the auspices of the S. A. F. O. H., will be held at Chicago, November 6 to 15, 1908. William F. Kasting, Buffalo, N. Y., is chairman of the show committee.

Catch This Swindler.

An individual, who signs himself "J. or I. O. Fuller, Rep.," is operating among the trade, passing as a subscription agent for The Florists' Exchange, which he offers in combination with The American Florist and The Florists' Review for one dollar a year. He was last heard from in the vicinity of Hackensack, N. J.

The fellow is described as being about 5 feet 9 inches tall, sandy complexion, clean shaven long face, one of his front teeth partly gold-filled conspicuous when he laughs or speaks; he is fairly well put on, and wears tan shoes, with half gaiters, a black Derby hat, and long tight-fitting overcoat. He generally puts up at a good hotel.

This man is a swindler, and any of our readers whom he approaches will confer a favor by having him arrested and at once notifying us thereof.

Easter Card Literature.

One of the choicest pieces of Easter card literature to reach us this year is that appearing on the announcement of Edward Seery, florist, Paterson, N. J., on cards selected from the advertised collection of the A. T. De La Mare Printing and Publishing Company, New York, which reads as under:

IN TOUCH WITH THE BEAUTIFUL.

"When God planned the universe, He built a vast flower garden.

"Each star shines with a beauty all its own. One is a ruby, another an amethyst. There is an opal! Off in the distance is an emerald and, beyond, a sapphire. When the Great Horticulturist drove His plowshare through the field of azure, He sowed the furrows with stars, which are like vast bonquets in the hand of the Infinite. Up there, we shall see as God sees, with no diminution in 1890 as to distance Orion of the Pleiades, with broad landscapes of marvelous loveliness. The distant Milky Way, which lies like a snow-drift far away, will roll up before us into limitless fields of beauty. The Southern Cross will be a great star and very star an immortal. Vast abysses of gray, dotted with the mingled effulgence which comes from myriads of suns, will lie over all that make up our world. It will be beauty, beauty everywhere.

"Such being our inheritance up there, would it not be a good thing to get in touch with the beautiful down here?"

"Don't you know, that you can gather tints from these suns and stars, and from the rainbow, and weave them into garlands of beauty down here, and brighten up this old squalid world of ours so it will be a prophecy of what lies before?"

The Proposed Pure Seed Act.

Of all the various regulating legislation that has been proposed and enacted by the Federal as well as our individual State Governments during the past few years, the present so-called Mann bill for the prevention of the sale of adulterated and misbranded seeds and bulbs caps the climax for absolute absurdity. The theory of the honorable gentleman who framed the proposed legislation is ideal, but it certainly is a doctrine that will be found to terminate in speculation without a view to practice; simply and solely for the reason that there is no such thing in nature as seeds that are 98 per cent. pure. We do not believe that any commercial seedsman can be found in the world to-day who will risk his reputation by agreeing to supply seeds of any flower, fruit, or vegetable, and guarantee such seeds to be 98 per cent. pure. Mr. Mann in his proposed bill states the matter the other way, saying, "if any seed contain weed seed, rendering it unfit for seeding purposes;" and under the provisions of his act, two per cent. of any matter not of what any seed purports to be, condemns it. Now reverse this requirement, and the seedsman must furnish his customers with seeds that have a purity of 98 per cent. or higher even.



William F. Kasting,
Vice-Pres.-Elect American Rose Society.

From the foregoing it will at once be seen that Mr. Mann considers that two per cent. of foreign matter in any seed sample reduces its quality "materially." We will leave it for seedsmen to determine whether two per cent. of Canada bluegrass seed in a sample of Kentucky bluegrass seed, or two per cent. of medium red clover in a sample of Mammoth red clover should impose upon the seedsman selling such "materially" impure seeds a fine not exceeding three hundred dollars, or an imprisonment not exceeding one year, or both, at the discretion of the court. One cannot help wondering how or where Mr. Mann first became imbued with the fixed idea he seems to hold, that agricultural and horticultural products can so easily be kept in a state 98 per cent. pure. We cannot conceive how any man of intellectual attainments could for a moment even seriously consider such an impossible hypothesis. Did any seedsman while examining seed crops ever meet with a case where he could truly say the purity of the crop stood at 98 per cent.? Mr. Mann is trying to force an impossible standard of seed purity upon the American seedsman. The time may in some future generation come when this splendid standard of purity can be attained, but in the year 1908 we are miles away from such an ideal goal.

Again quoting from the proposed act, "If any seed or bulbs contain, respectively, dead seed or dead bulbs, or any other matter materially reducing the value for seeding or planting purposes, etc." Now bear in mind that all such dead seeds and foreign matter must be contained inside of two per cent., for at all times seeds must be 98 per cent. pure.

Again take the important question of seed germination (as entirely apart from purity of type) and you will note that this question of germination has not been mentioned in the proposed act, except in so far that dead seeds must not exceed two seeds in each hundred. Wishing at this time to be very brief, we will not now go further into the seed germination question; but one cannot but be still further convinced of the absolute absurdity of Mr. Mann's proposed legislation when it is considered that the allowance he makes for non-germinating seeds, as well as divergence from the absolute true type, is only two per cent. altogether. Neither Mr. Mann, nor anybody else, can force seedsmen to sell goods that will average 98 per cent. pure and perfect—simply and solely because such seeds do not exist; there is no such thing in nature.

During the last decade a large amount of legislation has been proposed, to be enforced by not only the Federal Government, but also by almost every State in the Union as well—and all such measures would seem to carry with them the underlying idea that the average seedsman is a very dishonest person, who makes it his life work to sell all the poor seed he can. How little such unthinking opinion realizes what has been accomplished for good by the seedsmen in perfecting all agricultural and horticultural products! No one will welcome legislation that will improve the quality of seeds more earnestly and truly than the seedsmen, but a statute as the proposed act we are now discussing is such a self-evident misunderstanding of the whole situation, that it is fore-doomed to ignominious failure from the very start. The honorable Mr. Mann's "Proposed Pure Seed Act" is an absurd proposition on its face.

We understand that this bill, designated "The Proposed Pure Seed Act," has been referred to the Committee on Interstate and Foreign Commerce, and ordered to be printed. In this connection we will say it does certainly seem very strange that while the Department of Agriculture was given a hearing in this matter before the Interstate and Foreign Commerce, no hearing whatever was granted to our commercial seedsmen, who are so very vitally concerned.

BOOKS RECEIVED.

THE OPEN AIR, THE LIFE OF THE FIELDS, and NATURE NEAR LONDON, by Richard Jefferies. Publishers, Thomas Crowell & Company, New York. Price, 75c. each. Cloth.

These are three delightful little volumes, well printed and made, written by one of the most charming of English authors, Richard Jefferies. The books contain the cream of his essays, most of which deal with Nature in some of its many phases, and show the author's great love for beast, bird and flower; his keen observation and great appreciation of outdoor life generally. His style is simple, and attractive from its very simplicity. The Nature lover will find in these essays much to instruct and entertain him; there is not a dull line in any one of them.

The work of Jefferies is not unknown to American readers, particularly those of tastes kindred to his own. The late lamented George H. Ellwanger includes Richard Jefferies in his valuable little volume "The Idyllists of the Country Side," in which he devotes a delightful chapter to the subject of "Afield with Jefferies." Mr. Ellwanger so fittingly and beautifully describes his English co-worker that we may be pardoned if at this time we give a selection from his book to which we have referred. He says: "Jefferies was an essayist and, above all, the idyllist and painter of country life as it exists in England. To recall his name is to recall the myriad beauties of Nature in all her tenses of the seasons, in a thousand conditions of light and sky and atmosphere; in countless phases of growth and blossoming. To know him is to approach nearer the heart of the flower, the mystic concave of the sky and the elusive verge of the horizon * * * Jefferies' special place in literature and his rank as a sympathizing interpreter of Nature, it is safe to assume, could never have fallen to any other than himself. There can be no second 'Life of the Fields.' Other idylls may instruct and please, but in a different degree. A finer literarian may arise to hymn the pæan of the open air, but the combinative qualities that speak from Jefferies' later work must remain to him alone."

The volumes, as we have said, are attractive in make-up, of handy size for the pocket, and will be found of greatest interest to those who delight in good reading and in unsurpassed pen portraits of the ever fascinating and beautiful landscapes of Old England.

Societies devoted to special flowers seem to be the order of the day. The latest propositions in this connection are an orchid society and a gladiolus society. Soon we may hear of a sweet pea society and an organization to take care of hardy herbaceous plants. Why not?

Obituary

Samuel Gass.

Samuel Gass, one of the prominent men of the North Side, Pittsburg, Pa., died last week of pneumonia and bronchitis. He had been ailing for some time. Mr. Gass was born on the North Side sixty-four years ago and was a florist most of his life, having a stand for many years in the Pittsburg markets. He is survived by his widow and one daughter. Some years ago, he was a member of the local florists' club and of the Society of American Florists. The funeral was attended by many of his friends, and the floral tokens, among which were some very elaborate pieces, were numerous.

E. C. R.

William Scobie.

William Scobie, aged 83 years, a pioneer seedsman of Western Pennsylvania, is dead. Mr. Scobie had gone in November to Ormond, Fla., where he owned a magnificent winter home. His death was sudden, although he had been in poor health for the past several weeks.

Born in Perth, Scotland, September 20, 1825, he went to Pittsburg by the way of Canada in 1860 and located on the North Side. For several years he was associated with Jeremiah Knox in the seed business on Fifth avenue. Later the firm moved to Liberty avenue, and there Mr. Scobie organized the firm of Scobie, Reed & Smith, dealers in farming implements, garden tools, seeds, etc. In 1880 Mr. Scobie retired from the concern, organized the firm of Scobie & Parker, with which company he had been connected ever since, at the time of his death being senior partner and vice-president. He was an old member of the Fourth Avenue Baptist Church, and for some years held the office of deacon in the church. Two sons and one daughter survive him.

Simeon Swindells.

Simeon Swindells, well identified with the florist business and known and admired by all local florists and many others in various sections of the country, died of consumption at his home, 24 Chicago street, Anacostia, D. C., on March 19, after a prolonged illness. Mr. Swindells was one of the pioneer florists of the District of Columbia. In the later seventies and early eighties he was a grower and retailer doing business in the old Columbia Greenhouses on S street in Georgetown, and disposing of stock in the Center Market. In addition to his thorough knowledge of growing he was quite proficient as a botanist, and did much toward the advancement of knowledge along these lines. On account of bad health the greenhouses changed hands about 1887 and Mr. Swindells opened another stand in the market, selling horse-radish, pickles, etc.; later he was assisted by his sons in this business and at the time of his demise a handsome business stands as their reward. Mr. Swindells was in his 59th year, and is survived by his widow, two sons, and married daughter.

J. L. C.

E. D. Darlington.

As briefly mentioned last week, E. Dillwyn Darlington, Doylestown, Pa., died on Thursday morning, March 26, 1908, of pneumonia. His death was a great shock and surprise to his many friends because of the brief time he was ill and the fact that it was not generally known that he was in such a serious condition.

Mr. Darlington was the oldest son of the late Henry T. and Susan Darlington, and was born in Doylestown, Pa., November 20, 1858. His youth was spent in Doylestown, and his early education was gotten in the Doylestown Seminary from which he graduated. Afterward he spent a short time at Swarthmore College. He then entered the office of The Intelligencer, but, because of failing health, was obliged to leave the newspaper business. He then went to West Chester and learned the nursery and florist business with Hoopes Brothers & Thomas, leaving there in 1877 to conduct greenhouses in Doylestown, furnishing plants for Samuel Wilson, a seed grower of Mechanicsville. Shortly after that he became connected with the firm of W. Atlee Burpee & Company, with which he was associated until the time of his death. After the Fordhook Farm, in Doylestown township, was started by Burpee & Company, in the Spring of 1888, Mr. Darlington became manager until his health gave out, when he was succeeded by Howard M. Earl, and became confidential adviser of the firm, taking charge of the trial grounds during the Summer. During the busy season in the Winter he was engaged in the offices in Philadelphia.

Of late years Mr. Darlington had been engaged in considerable literary work, writing many authoritative articles on matters concerning his work. He was an expert amateur photographer and had many handsome views.

Mr. Darlington was married in 1888 to Miss Catharine S. Darlington of Concordville, daughter of Dr. and Mrs. Hillborn Darlington, of that place, who survives him with three children.



The Late E. D. Darlington.

William Griffin.

William Griffin died at his home at Lakewood, N. J., on Thursday, March 26, 1908, of a complication of diseases, after a short illness. He was born in Kent, England, fifty-nine years ago, and commenced his career as a surveyor and landscape gardener. After attaining his majority he came to America, continued in his chosen profession, and had charge of the improvements of many prominent places. Subsequently he was appointed superintendent of the W. D. Sloane Estate at Lenox, Mass., where Mr. Griffin remained for fifteen years, until failing health necessitated the release from his responsible duties. He then became associated with Alex. McConnell of New York in the landscape department, and had charge of the improvements of the Black Estate, White Plains, N. Y.; also the improvements on the grounds of the Flower Memorial Library at Watertown, N. Y. For the last two years he was superintendent of Georgian-court, the winter home of George J. Gould, Esq., at Lakewood, N. J.

Mr. Griffin was a man of ability in his profession, practical in all branches of horticulture, as well as arboriculture. His kindly disposition and genial personality won him many friends, who will sincerely mourn his demise. He was a member of Evening Star Lodge of Masons of Lee and Berkshire commandery, Knights Templar, of Pittsfield. He is survived by a widow, three daughters and a son.



The Late William Griffin.

OUR READERS' VIEWS

The Formosa Lily.

Editor Florists' Exchange

Among the recent introductions of the past season is the Formosa Lily, sent out by the York and Nursery Company. In order to get a varied experience as possible with the limited number of bulbs on hand, a plan was devised whereby a box of the lily was sent to a prominent florist in each of the larger towns and cities in several States. The box sent to Rochester, N. Y., was received by the undersigned, and as grown by them the lily has proven every claim made for it. It is perfectly free from disease, and an improvement on every kind now on the market here. Visiting local florists who have seen it have already placed orders for the coming season, and more satisfactory results are hoped for than we have had this year with the older varieties. In manner of growth it is much like other lilies, but comes into bloom earlier without any apparent effort in forcing. The foliage is of good color, with flowers full and free; in height the plant reaches from 2½ to 4 feet, this varying no doubt with the style of house in which it is grown. The flowers are pure white, larger than those of Harrisii, and when fully open present a beautiful sight, as some of the plants have nine well-developed buds and flowers, while only 14 of the bulbs gave one flower each. This is a remarkable percentage, more so as the plants will average five strong flowers each, through the whole batch. It is an excellent keeper; some, by way of experiment, have been held in a cool house for a month and are still there in good shape.

As far as our experience is concerned we have no hesitation in saying we expect a great deal from this lily, and hope it will keep clean and hold its own for many years to come.

SALTER BROS.

Rochester, N. Y.

The Dahlia Classification.

Editor Florists' Exchange:

That an official classification of dahlias is needed at this time is a fact known to all who are interested in that flower; and especially to those who take part in competitions at our exhibitions. And that the New England Dahlia Society has taken hold of the matter appears to me a step in the right direction. It does seem, however, that it would have been well for the executive committee of that organization to have submitted the proposed classification appearing in the March Dahlia News to dahlia growers, through the horticultural press so that an opportunity would have been given them to present their views on the questions arising; then after a free discussion the classification adopted by the society might be expected to govern at least in New England, and that without question.

The question as has been announced in the Dahlia News, has been settled; and I being a member of the society can, I presume, make no comment on said action without being ruled out of order. However, I wish that under the head of "Double Dahlias" and, in fact, the other classes, no place had been found for fancies; and that instead of a "color line" understood by but few I should have determined classes according to form.

Under the head of Double Dahlias, No. 3, Cactus Dahlias, the rules read "distinguished by long relatively narrow florets rolled back." This is misleading, for as a matter of fact the florets do not roll backward, but generally turn in toward the center, the back roll being only on the margins of the florets.

It is not made clear just what we may expect in the way of subdivision, but in the new class, that for semi-plenas, doubtless all the classes may have their representatives. And it may be that in the case of the sub-division of the show type a place will be found for the Grand Duke Alexis type which might be called "Giant Show."

Under singles it may be noted that no place is found for common single; but a place is given to collobette, anemone and grand-flowered. And why restrict the number of florets in this class to 8 when they may be had in 12 or 16, according to our plansure?

ALEXANDER MACLELLAN.

In its plant breeding work the New York Experiment Station at Geneva has developed some new varieties of strawberries and raspberries that seem promising. A considerable stock of plants has been grown and these are now ready to be distributed for testing by the fruit-growers of the State. The conditions governing this distribution are announced, with a history and description of each of the seven varieties, in Bulletin No. 100. No application for plants will be considered unless it not show that the bulletin has been carefully read. If you are a commercial grower in New York or New Jersey, either of these fruits you should write for a copy of the bulletin.



AMERICAN ROSE SOCIETY

ANNUAL MEETING AND EXHIBITION
AT CHICAGO, ILLINOIS

March 25, 26 and 27, 1908

BUFFALO, N. Y., CHOSEN AS NEXT MEETING PLACE.

Officers elected: President, August F. Poehlmann, Morton Grove, Ill.; Vice-President, William F. Kasting, Buffalo, N. Y.; Secretary, Benjamin Hammond, and Treasurer, Harry O. May, both re-elected.

(CONTINUATION OF REPORT.)

FRIDAY'S SESSION

The meeting on Friday opened at 11 o'clock. The first business was of a routine character, which included the auditors' report.

The Rose Journal

The question of publishing "The Rose Journal," a periodical to be issued by the society, was the first business of importance. Secretary Hammond introduced the subject with a report of the preparatory work he had done in the matter, and produced copies of a prospectus embodying a specimen of the publication, with preliminary advertisements. After some discussion the following motion was offered by F. R. Pierson, and the same was duly carried: Resolved, That a Rose Journal be issued by the society, two issues annually, the dates of the issues to be determined later, provided a sufficient sum of money can be secured by subscription to cover the cost, and that the matter be referred to the Executive Committee, with power to act.

Mr. Pierson offered a subscription of \$25, and Poehlmann Brothers Company offered a like amount.

A June Rose Show

A project, which had been entered into by the executive board with the Horticultural Society of New York to hold jointly a June rose show in New York was next discussed. President Simpson outlined the arrangements made. The show is to be held next June in Bronx Park, and it is expected that the Horticultural Society will provide \$300 to \$400 for premiums, and will endeavor to get its patrons to present cups and other premiums in addition. It is also to offer a medals. The American Rose Society is to offer a medals and certificates, but is not expected to assume any financial responsibility.



August F. Poehlmann.

Pres.-Elect American Rose Society.

The premium list had not yet been arranged, but the executive committee would take up the matter as soon as possible. It was advisable that a resolution be passed at this meeting to endorse the action taken by the executive board, and such a resolution was offered by J. A. Valentine, and duly passed unanimously as follows: Resolved: That this society expresses its appreciation of the generosity of the Horticultural Society of New York offering the American Rose Society an opportunity to participate in its June meeting, and that the action of the executive committee in agreeing to participate is hereby approved by the society, and that the secretary of this society is instructed to convey these sentiments to the Horticultural Society of New York.

J. A. Valentine then read a paper by Alex. Dickson of A. Dickson & Sons, Newtownards, Ireland, on "Hybridization," which was well received, and elicited a vote of thanks to the writer.

End of Fiscal Year

Attention being called to the fact that at a previous meeting the fiscal year of the society was changed to end June 30, but entry on the official record had evidently been omitted. The occurrence being fresh in the minds of several members it was decided to supply the omission. J. A. Valentine offered, in consequence, the following resolution: "Whereas at the meeting of this society held in New York in 1902 the by-laws were amended so as to provide that the fiscal year and the term of office of its officers should begin on July 1 instead of as provided. Therefore be it

Resolved, That this society instruct its secretary to clearly set forth that change in the by-laws. And therefore, be it also

Resolved, That this society shall hereafter conduct its business in conformity with such change. The resolution was carried unanimously.

To Incorporate

The question of the advisability of the incorporation of the society coming up, a motion was made and carried, that the secretary and president of the society look into the matter and report upon its desirability at the next meeting of the society.

The final business was the reading of a paper by Robert Craig of Philadelphia on "Forcing Roses in Pots for Easter." After passing a vote of thanks to Mr. Craig for his paper, the convention adjourned.

Other Awards.

In our telegraphic report of the prizes awarded appearing in last week's issue, some of the items were omitted, among them the following:

J. E. Ammon took second for twelve Bride, also second for Mme. Abel Chateau and second for any other disseminated variety with Alice Roosevelt.

In the class for fifty American Beauty, Poehlmann Brothers Company were second.

For the most artistically arranged vase of roses, prize of \$25 cash offered by Welch Brothers, Boston, was awarded to Robert Simpson.

The Traudly & Schenck prize of \$25 for fifty Bridesmaid was won by Bassett & Washburn, Chicago.

The John C. Moninger Company prize of \$25 for fifty Liberty was awarded to A. Farenwald, Roslyn, Pa.

For American Beauty the Florey Gardens, North Wales, Pa., received the Globe Coal Company's prize of \$25.

For one hundred Richmond the Poehlmann Brothers Company prize of \$50 was captured by George Reinberg.

Wieter Brothers were awarded the prize of \$25 for one hundred Kate Moulton; George Reinberg, Chicago, second prize of \$20 for the same variety.

The Vaughan silver cup, valued at \$25, for one hundred Mme. Abel Chateau was awarded to Poehlmann Brothers Company.

The Pulverized Manure Company's prize of \$25 for one hundred Bride was won by Bassett & Washburn. For one hundred Sunrise The Florists' Review prize of \$25 was awarded to Peter Reinberg.

The American Florist Company's prize went to Poehlmann Brothers Company for fifty American Beauty.

Bassett & Washburn were awarded the prize of \$10 offered by W. W. Barnard & Company for twenty-five Bridesmaid.

Peter Reinberg captured the prize of \$10 offered by George Keller & Son for twenty-five Richmond.

Twenty-five Uncle John, the Newbold prize of \$10 was awarded to Poehlmann Brothers Company.

Twenty-five Bride, the Dietsch Company prize of \$10 was captured by Bassett & Washburn.

The John Davis Company prize of \$25 for 100 Mrs. Marshall Field was awarded to Peter Reinberg.

For the most beautiful exhibit in the hall, decided by vote of the lady visitors to the show, Miss Hammond's prize of \$20 was won by Vaughan's Seed Store.

Special growers' prizes, to the men who did the actual growing, offered by Peter Reinberg.—First (\$25), W. H. Elliott; second (\$15), Poehlmann Brothers Company, third (\$10), A. Farenwald.

The judges commended the exhibit of Julius Roehrs Company, Kuttnerford, N. J., also the five vases displayed by George Reinberg, Chicago.

A certificate of merit was awarded to Myers & Samtman for Wyndmoor.

The sweepstake prize of the Horticultural Society of Chicago (silver medal) was captured by W. H. Elliott. The foregoing awards are taken from the official report supplied by Secretary Hammond.

Hybridization of the Rose.

Paper prepared by Alex. Dickson, Acting Director of Alex. Dickson & Sons, Limited, Royal Irish Nurseries, Newtownards, County Down, Ireland, and read before the American Rose Society at the Chicago Convention.

Introductory.

It was with considerable hesitation that I consented, at the request of your society, to write a paper upon hybridization and cross-pollination in relation to the rose. I may say at once, it is a request I have refused many times from similar organizations here and elsewhere, because I have always felt, and indeed still feel, it is a subject upon which it is extremely difficult to write a satisfactory paper. The subject is one which cannot possibly be dealt with satisfactorily in a paper such as the present, and the chief difficulty one has is selecting the lines upon which to write, or the point of view from which to discuss it. I will do my best to make the paper as interesting and instructive as I can within the limited scope at my disposal. I have given the subject my most careful consideration, and I am convinced that the best method of dealing with it in this paper is to give you in a condensed form some of the results which have accrued from the labors of my brother and myself, extending over a period of almost thirty years.

I would ask those who hear this paper read, and those who may read it for themselves, to remember that it is written by a professional rose grower, and, therefore, by one to whom the practical results, from a commercial standpoint, were of the most vital importance; and of necessity this point of view had always to be

I can render little practical help; that, when all is said and done, hybridization is a science of pure experiment, or rather chance, as I can easily show. To do this it is only necessary for me to assume that everyone—at least everyone interested in horticulture—knows that, so far as seed-bearing plants are concerned, they will reproduce their species in some shape or form, maybe with some variation, or maybe exactly similar. And it follows that, by the fertilization of different varieties of the same species, new varieties, or at least varieties with some distinctive feature, may be produced. It is a different matter, however, to reduce the chaos which results from indiscriminate cross-fertilization to something like definite order—a result far beyond my ambition, or the scope of this paper, if indeed it is at all possible. All I can do in this direction, and indeed it is very little, is to give some results of our labors in hybridization.

Some Practical Results.

We began work in 1879, and naturally our first operations were upon what were considered the finest show varieties of that day. Naturally we chose parents of the choicest colors, having beauty of form and, as far as possible, vigor of habit. The hope, of course, was that the fertilization would reproduce varieties of a different kind, with at least some of the qualities for which the parents had been selected. The results for many years were disastrous. Keen and bitter disappointment followed our experiments. We, however, persevered, always upon fixed lines, carefully recording our crosses and results, making a careful and close observation of the most important features of the offspring of the cross; and I regret to say that, in the majority of instances, there was nothing but dismal failure to record. I think I can safely say that the most certain result of

appeared to me to embody the idea which I had in our ideal, and worked steadily from there.

We had, of course, to experiment upon a very extensive scale, and my point will be readily appreciated when I say that we were only able to retain for use, either for further fertilization or for commerce, about 5 per cent. of the seedlings raised. To appreciate the labor this entails upon the hybridizer one must follow the rose from the hip until it reaches maturity.

Germination Vagaries.

In hybridization, carried out upon a systematic plan such as ours, it means that the plants with which we are working have to be specially selected, planted and grown, and the blooms fertilized. There is then the period required to ripen the hip (and in Ireland this takes considerable time, owing to the cold and dampness of our climate). Then comes the sowing of the seed, and the attention and care during the period of germination. In this respect, it is interesting to note the wide differences in the period of germination in the different cases. In some instances, the seed will germinate in two or three months, and in others I have known it to lie dormant for twelve to fifteen months. I have never been able to give any reason why this should be so, and particularly why there should be marked differences in the periods of germination in seeds taken from the same hip, yet there is very frequently a marked difference. To continue on the point I am making, it takes anywhere from three to six months, according to the vigor of the plant, to bring it to such amount of growth as will enable us to bud it for the purpose of testing outside. Then, when it is budded, of course, it takes a full year to bring the plant to maturity. Here again, one has to face uncertainties, and to be very careful about forming a judgment, as experience has proved



Newport Fairy, Exhibited by Julius Roehrs Company—A Favorite with the Art Students



Pink Roses in the Smaller Classes Staged with a Beautiful Setting

The American Rose Society's Exhibition at Chicago

borne in mind by my brother and myself in our line of experimental inquiry. And it is from this point of view that I deal with it.

The Field of Hybridization.

Hybridization is a subject of intense interest, and the practical application of the science opens up an indefinite and even inexhaustible field of inquiry, but those of us who are professionally engaged in this branch of horticulture must abandon, to some extent at least, the scientific aspect in favor of the practical. With the stern realities of life facing me, I have many times—contrary to my desire—been compelled to abandon scientific lines of inquiry, as against the production of new varieties of commercial value, a situation I regretted but could not help. After thirty years' steady and continuous work, I am inclined to the opinion that the further one pursues the subject of hybridization, the greater the field for exploration. I have often thought, while pursuing my work and watching the results, that the effect was much like that produced when climbing up a steep mountain. The further one rises, the more the plains below are opened up. I will try to explain more fully as I go on exactly what I mean, and the foregoing observations are made with a view to render less keen the disappointment which I feel will inevitably follow the reading of this paper. I am conscious that my observations will be read before, and by, men of practical experience in horticulture, and particularly in the culture or advancement of the rose, and by men keen upon the development and improvement of the rose; and I am sorry, for this reason, that I can give little practical assistance to any who are desirous of entering the field of hybridization on their own account. I may, however, render their disappointment less acute. The main reason why

our crosses in the early stages of our experiments was to convince us of the absolute uncertainty of what our results would be. This prevails even now, though in a lesser degree. Possibly this is one reason why rose hybridization is so intensely interesting. There is always and ever the element of uncertainty in it so dear to human nature. One never knows what the fertilization of any two varieties will produce, or, more correctly, how many different varieties. One seed pod containing four seeds may, and has to my knowledge, produced four seedlings absolutely distinct in every conceivable respect. Many and many a time I have seen produced from the seeds sown from one hip, half a dozen seedlings absolutely distinct in color and form, some as single as the ordinary dog rose, and some so full in substance that it was impossible to get them to open even under glass.

In the early eighties, when we began to see the results of our labors, we abandoned the original basis of our experiments, namely, the fertilization of the better varieties of hybrid remontant or perpetual, and began a series of cross-pollination between the hybrid perpetuals and teas and Austrian briars, and then using the results of this first cross in a systematic course of inbreeding. The main object which we had in view was to produce varieties of roses at once vigorous in their habit, continuous in their bloom, at the same time retaining the absolute essentials of all good roses, namely, beauty of color, perfection of form, and delicacy of perfume. It was, of course, a great ambition, and how we have succeeded we must leave the world to judge. Broadly, I would say that such success as has attended our labors is due far more to the careful selection than to any defined plan of fertilization. As a broad basis of our experiments, we took as parents such varieties as

time and again that in the early stages of culture some varieties have displayed the greatest shyness in flowering, and yet, after a few years' cultivation, have taken their places in the front rank as perfect garden roses, blooming with the greatest freedom. Each year we are compelled to make a very close selection, and to discard every seedling which does not suggest some improvement in, at least, one or two of the essential elements of the perfect rose, otherwise we would have been flooded out with varieties which would have been of no practical value to us, or indeed to the rose world at large.

The Modus Operandi.

The system we ultimately adopted was hybridization in the first instance between hybrid perpetual and teas, and then inbreeding from their offspring, upon the following lines. We made four distinct crosses. We took a seedling of our own, which gave some evidence of possessing at least some of the qualities aimed at, and, in the first instance, this seedling was crossed with the male parent; secondly, the seedling crossed with the female parent; thirdly, the male parent crossed with the seedling; fourthly, the female parent crossed with the seedling. As soon as we were able to form an opinion of the results of this interbreeding, we again made a selection of those most closely approaching our ideal, again inbreeding, but with this difference, that we only made use of a limited number of parents, but in almost every instance making a double cross. For example, if we made a seedling with, say, Marie Van Houtte as the male parent, then during that season we produced the cross making Marie Van Houtte the seedling parent, and the seedling the male parent. We also had ready lays of plants prepared in duplicate for this purpose, and we carefully and methodically recorded each ex-

periment, thus carrying on our work in a systematic manner, the system of selection, of course, always playing the most prominent part in the results. From practical experience we were able to ascertain which varieties, or rather types, gave us the best results, and we were, therefore, able to a considerable extent to lessen the waste and to reduce our methods to a system containing at least some elements of certainty.

We, of course, have made use of varieties of other raisers, where we have been struck by any special feature they contained, which was in our opinion an advance upon anything in commerce. The result of our labors has been to produce what is admittedly an absolutely distinct class, if not family, of roses known as the "Alex. Dickson type." We, of course, claim that the types of roses we have introduced have been a great advance on those previously in commerce. We aimed at producing a type having vigor of growth, freedom and continuity of bloom, the flowers full and perfectly formed, with unusually long petals, at the same time growing on bushes the foliage of which is luxuriant and handsome. How far the varieties we have sent out have done what we claim for them, you must judge.

La France as a Parent.

In our experiments and in struggling with the qualities we have indicated, we felt convinced that La France would prove one of the most useful parents we could possibly have, if we could succeed in making it produce seed. It was, of course, the opinion of most hybridizers that La France was sterile, and with this opinion we were for a long time inclined to agree, and, indeed, the best that could be said for it is that there is just the possibility that it may be fertilized. Out of many hundreds of crosses with this rose only in one single instance did we succeed in making it produce seed; but we feel that the labor we spent was amply repaid, as the ultimate result of it was the introduction of Mrs. W. J.

It is interesting to note, in relation to the La France cross, that the same inclination to sterility is apparent in the rose Augustine Guinoisseau, a sport from La France. Out of hundreds of experiments we have not succeeded in getting a single seed pod from this variety.

Rosa Indica Influence.

The only other point of practical importance which occurs to me, is the fact that in our early experiments, when we had in view the object of producing varieties which would give a greater continuity of bloom, we used in our efforts Rosa indica, and, after a considerable amount of labor, we succeeded in impressing this much valued quality on some of its offspring which are now in commerce.

Hybrid Perpetual Crosses.

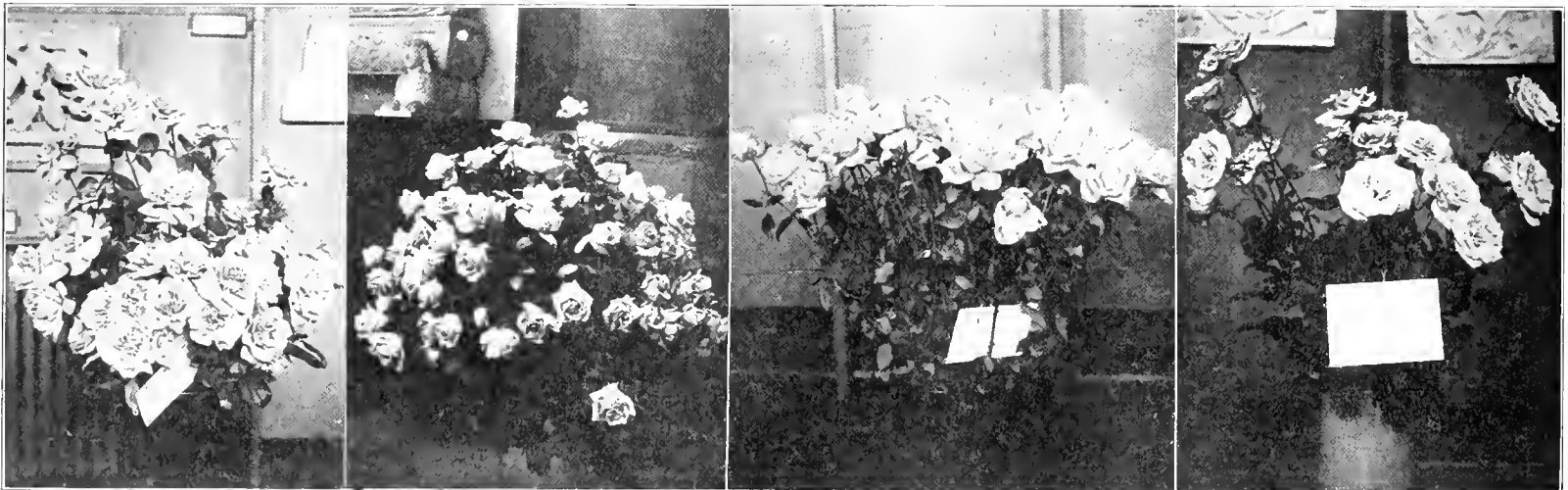
In a general way we found it very difficult, and indeed impossible, to place the smallest dependence upon the presumption that hybrid perpetuals would impart to their offspring anything of their own color, and, in a general way we may say that after much experience the chief varieties which we use, and use with the best results, for the purpose of getting blends are the hybrid perpetuals, Horace Vernet, Charles Lefebvre, General Jacqueminot, and also Austrian briars, Persian Yellow and Harisoni.

From what I have said you will readily appreciate the fact that it would be wholly impossible, and indeed I think a waste of your time and mine, to give in detail the results of thirty years' hybridizing; and I have done my best to make clear the general lines upon which our work has been conducted, from which it will be readily inferred that the element of chance must always play a prominent part, and I might aptly use the well-known quotation from Pope—

"All nature is but art, unknown to thee,
All chance, direction which thou canst not see."

of the class of soils known as silt loams. The smooth or greasy feeling that is found in a soil when pressed between the thumb and finger is a consequence of the presence of silt, the finest sized particles excepting clay that go to make up a soil. The amount present may vary to a considerable degree without altering the feeling, although materially affecting the character of the soil. This variation in the relative proportions of the different sized soil particles is the basis of soil classification. Upon it also depends the permeability to air and to water, responses to changes in temperature, retention of moisture, and other physical properties of a soil. It is an important factor in determining the general adaptation of a soil, and there can be but little doubt that modifications in texture greatly affect the adaptation of a soil to varieties. There are other conditions to be taken into account, however, and we must carry our investigations on from a number of stand-points in order to arrive at a solution of this problem. In carrying out the investigation of this interesting and important soil problem it is planned to secure samples of soil from various growers with whom the cultivation of certain varieties is made a specialty, and to obtain from them the necessary information to enable us to understand the conditions under which their plants are grown. To this end a circular letter has been sent a number of growers requesting the samples and information desired. While our studies have not been carried on far enough to warrant our drawing any conclusions at the present time, yet the outlook is most encouraging and we have every reason to believe that before long we will be able to state a definite relation between some of the soils and varieties.

In this matter we must have the co-operation of the growers, and I am glad to say that we have found



Fifty Wyndmoor,
Myers & Samtman.

100 Killarney,
Wm. H. Elliott.

100 Uncle John,
Peter Reinberg.

Mrs. Jardine,
Robert Scott & Son.

Prize-Winning Varieties at Exhibition of American Rose Society, Chicago.

Grant, known to you as Belle Siebrecht, in our opinion one of the finest roses in cultivation, at least from the Britisher's standpoint. In addition to this we have always found from practical experience that the roses descended from this particular cross have always impressed their offspring with some at least of the more prominent qualities of the parents; and it was by pursuing this particular line of breeding that enabled us to produce varieties, which, from a British standpoint, are ideal exhibition flowers, and at the same time the plants are floriferous and of excellent constitution. In this group we might mention Killarney, Mrs. Edward Mawley, Bessie Brown, Liberty, Lady Moyra Beauchere, Lady Ash-town, Mrs. David McKee, Dean Hole, Countess of Derby, Betty, Mrs. G. W. Kershaw, and, last but not least, Mildred Grant and William Shean, two of the finest exhibition roses at present in cultivation in Great Britain. Mildred Grant resulted from a seedling between Niphetos and Madame Willmeroz in the first instance, crossed with a seedling of our own which is not in commerce, and the system of which this is an instance applies pretty generally to all the better classes of roses introduced by us.

A Yellow Tea Scented.

After many years of continuous experiment on various lines we have at last been able to produce what has long been sought for, namely, a yellow tea of good size and color with a very real hardness of the hybrid perpetual. I refer to the Mrs. H. A. Kirk, which is now being grown by most of our growers and you will shortly be able to judge whether it is really as good a promise we have made on its behalf. I think you will not be disappointed.

And I ask such of you as may desire to enter for yourselves upon this interesting field of experiment to go forward with confidence—

"Knowing that nature never did betray
The heart that loved her."

The Adaptation of Soils to Varieties and its Application to Indoor Cultivation.

BY GUSTAVUS E. MAYNADIER.

(Concluded from page 427.)

The Fitness of the Soil.

Just what determines the peculiar fitness of a soil for the growth of certain plants or varieties of these plants is yet to be determined.

The books on rose culture state generally that the proper soil to use is a well drained loam, many authors adding that it should have a smooth or greasy feeling. This description, while somewhat vague, is yet helpful, for it cautions us to beware of heavy clays and coarse sands and brings before us the necessity of good drainage. But the term "loam," even in its technical sense, is a very elastic one and soils may be very different in some of their most important features and still be properly classed as loams. The provision that it should have a smooth or greasy feeling somewhat restricts the original description and brings it within the limits

them ready and willing to supply the information and samples necessary to insure the success of this investigation.

Discussion.

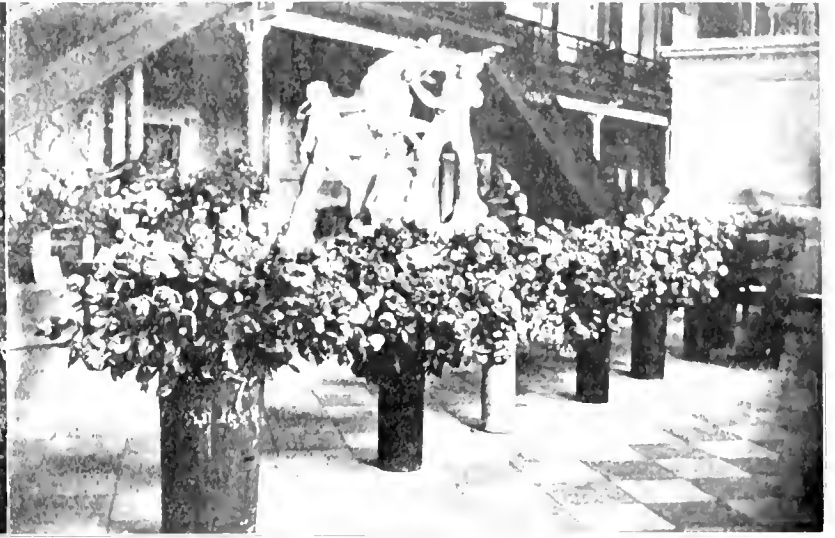
Mr. Thorpe believed as Mr. Maynadier did in special soils for special varieties. Twenty years ago, he said, La France rose was grown at Nyack, and none grown elsewhere equaled them. At Madison, N. J., Cornelia Cook was the great rose. Then a little further down at Summit, Catherine Mermet was the leader. In these particular soils the varieties did well. Other people in other sections grew them, but they could not reach the standard attained at the places mentioned. He also gave other illustrations of successes and failures of skillful growers, all attributed to soil. He believed soil elements had not been given sufficient attention.

Mr. Farenwald instanced the sending by him, with other growers through the country, a sample of his soil to the experiment station, and the analyses in the different cases were much the same. Some years ago he had a prominent reputation for growing Liberty, and everybody who did not grow them as good said, "Oh, Farenwald has a special soil for them." But it was proved that the soil in his case was not different. He had wondered if the water was not a factor.

Mr. Maynadier thought from analyses he had made, that the water did have a remarkable influence. The bureau had been called upon to make analyses of water from a large number of locali-



Exhibit of Climbing and Non-Climbing Roses, First Prize Winners, Vaughan's Seed Store.



The American Beauty Class

At Exhibition of American Rose Society, Chicago.

Convention Notes.

ties, especially through the West, and from the letters received, although a systematic study had not been taken up, it was judged from the effects and results described that the water supply was perhaps one of the most important factors entering into the production of any class of plants. In a few months when experiments had come to an end he might be able to say more on soil conditions for roses. In the case of carnations, he had, he believed, good evidence that there were certain varieties which responded better to one particular type of soil than another.

Mr. Valentine said that in the West, where soils are impregnated with alkalis and the salts are carried in solution, the quality of the water seemed to be a very important matter.

Mr. Farenwald believed that some soils take more water than others, and this excess of water might have considerable effect.

Mr. Elliott said he was satisfied that the United States Government was making special efforts to solve some of the trade's problems, and believed if the society would co-operate intelligently in the work some important information might result.

Mr. Maynardier said that the members of the society could rest assured that the Bureau of Soils was at their service and would at all times be anxious and ready to furnish any information in its power.

At this point George Asmus announced that W. F. Kasting was on his way to the hall to invite the society to meet in Buffalo, and Mr. Kasting appearing he made an address in which on behalf of the Buffalo Florists' Club he cordially invited the society to that city in 1909. The invitation was, on motion of Mr. Valentine, unanimously accepted.

Election of officers was next proceeded to, with results as reported.

The convention adjourned, to meet on Friday, at the call of the chair.

There were not so many carnation exhibits in the show as might have been expected. J. A. Bulloug staged a fine general exhibit including Aristocrat, Victory, Winsor, White Perfection, Boston Market and Cardinal, which gained special mention in the judges' report. A vase of the new scarlet carnation Orland P. Bassett staged by Bassett & Washburn, and a vase of Afterglow staged by the E. G. Hill Company, also received special mention.

W. A. Manda, So. Orange, N. J., exhibited some cut flowers of the Cherokee rose, a vase of pink seedling carnations, and four plants of his "green rose," the exhibit gaining special mention.

Jensen & Dekema staged a fine vase of Deliance carnation on Thursday afternoon, too late for presentation to the judges.

A fine collection of plants sent by the George Wittbold Company was a pleasing addition to the show on Thursday. The collection included dracaenas, palms, pandanus, and standard boxwood trees.

Disappointment was voiced everywhere over the non-appearance of displays of outdoor roses. The only exhibit approaching the condition was that made by Vaughan's Seed Store in the class calling for a general display of roses in pots or tubs, bush plants and climbers, covering not less than 150 square feet, the prize for which was a silver cup, value \$100. The varieties included in the collection were La Flamma, Lady Gay, standard and half standard Baby Rambler, Hiawatha, Debutante, Sweetheart, Tausendschön, Farouhar, Dorothy Perkins, Schneewittchen, Baby Dorothy, Crimson Rambler, Frau Karl Druschki, Killarney, Clio, Gen. Jacqueminot, Amy Müller, Mrs. R. G. Sharnan, Crawford, Caroline Testout, Glory Lyonnaise, Paul Neyron, Clothilde Souper, American Beauty, Mme. Gabriel Luizet, John Hopper, Hugh Jackson, Philadelphia Rambler, White Baby Rambler, and Dunsmore.

In the class for the most varied collection of cut roses the exhibit made by the E. G. Hill Company was exceedingly fine, and unusually interesting to the visitors. There were 25 varieties in the collection, as follows: Mme. Simon Beaumerz, Mrs. Myles Kennedy, Countess of Derby, Mrs. E. G. Hill, Peggy, Mrs. John Bateman, Hon. Ira Bingham, Princess, Catherine Mermel, Marie de Quayas, La Gallesiere, Pharisier, Mme. Maurice de Laze, Mme. Philip Rivoire, Lady Fair, Rambler, Phyllis, Dorothy, Rhea Reid, Reine Karola de Saxe, Mrs. David McKee, Franz Deegen, Alice Roosevelt, Princess, Seedling No. 83, and Countess of Gosford.

The Julius Roehrs Company, Rutherford, N. J., staged a beautiful exhibit of the new rose Newport Fairy. There certainly was nothing prettier in the exhibition.

In the class for the best display of cut roses, all varieties, the Dorrance challenge prize was won by the Pochmann Brothers Company, with vases of Bride, Uncle John, Richmond, American Beauty, Prudesmaid, Killarney, Mme. Abel Chateauy, Mrs. Potter Palmer and Perle des Jardins.

The vase of 25 blooms of Safrano shown by Wm. H. Elliott was one of the attractions of the exhibition. The blooms opened to a diameter of 6 inches and more on stems over 40 inches long.

The prize donated by Miss Marion I. Hammond, Pishkill-on-Hudson, N. Y., for the most beautiful exhibit in the hall, was awarded by a special vote of the lady visitors to the show to Vaughan's Seed Store for the excellent display of roses in pots and tubs. The second, third, fourth and fifth in the ladies' favor were respectively Robert Simpson's vase of 25 Mme. Abel Chateauy, Farenwald's vase of 25 Richmond, Bassett & Washburn's vase of American Beauty, and Pochmann Brothers' vase of 100 Killarney.



100 American Beauty, Bassett & Washburn.



Prize Winners at Exhibition of American Rose Society, Chicago.

Prize Winners at Exhibition of American Rose Society, Chicago.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLOREST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLOREAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of reasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of reasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 6297 Plaza.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

The Rose from a Retail Standpoint.

Synopsis of a Paper Read by John F. Sullivan, Detroit, Mich., before the Chicago Convention of the American Rose Society.

In opening his paper Mr. Sullivan paid a high tribute to the pioneer rosarians of America, many of whom have passed away, but whose work is perpetuated, and "their monuments seen in the present magnitude of the rose industry." He spoke of the rose as being invaluable to the retailers; who "realize that in no other stock of cut flowers can they operate with the same degree of immunity from possible loss"; and also had a good word to say for its shipping and lasting qualities. Continuing, Mr. Sullivan said:

"In depicting the part the rose plays in elaborate decorations, we may say the world cheerfully concedes the tribute this flower alone deserves above all others, it being the very essence of decorative effect in whatever manner it is shown—the individual flower, the vase of blooms, the bank of roses, or baskets of the same; and it is doubtful, indeed, if there can be found in any part of the country a retailer whose establishment lays claim to being first-class in its appointments, who does not give roses pre-eminence of importance in his store as a result of the recognition of their value fundamentally, in decorative effects.

"And of what grandeur of elaborate decorations is the rose not capable? With its gorgeous rich colors in many hues, the most exacting detail of elaborate effect is feasible. It yields itself gracefully to any situation, and in no place—either parlor, church, or hall—will the rose fail to produce the acme of elaborate decorative effect. Any one of the many varieties, without the accompaniment of other flowers or floral accessories, is equal to any occasion when the perfection of floral beauty and magnificent splendor is desired.

Retailers at Exhibition.

"Retailers view with pleasurable gratitude the powerful agency of the flower shows in the development of the rose, and the maintenance of its popularity. In the early days of the rise and progress of this flower, industrially speaking, the retailers were more conspicuous for their zeal in using these shows as mediums to strengthen their individual work in behalf of the rose than they are at the present day, and the retailers are forced to admit the increasingly active participation in these events by the enterprising rose growers and gratefully acknowledge the great good they are doing of a most permanent character.

Growers' Indifference to Novelties.

"At the same time, the retailers deplore the seeming indifference of many growers in the important matter of providing them with more of the novelties in roses, the necessity for which is most apparent. So pronounced and general is this interest, and indeed so eager are the rose patrons to satisfy their delights in new varieties, that I venture to say, were some of the once favorite roses now relegated almost to oblivion, which the so-called up-to-date grower of these times would disdain to grow, resurrected, they would find a ready market and many warm appreciative friends among rose enthusiasts. As an example I might cite the case of Bon Silene, which is now grown in some quarters and is meeting an encouraging demand. And in considering the adaptation of varieties to meet this changing taste of the people, it is well to remember that it is not the size alone that constitutes the chief element in a beautiful and most acceptable rose, as is clearly and constantly shown by even the most fastidious patrons of the retail stores while making their selection. The public is craving for novelty—something different from the monotonous few varieties that greet them on their recurring visits to the florist's store. Any of the older varieties are sufficiently attractive to the casual buyer, but the steady patrons, who are our most valuable ones, must be shown something new to hold their continued and increasing interest in our chief commodity. As an evidence of this tendency on the part of a large portion of the flower lovers for variety and novelties, witness the increasing interest shown by them the last two or three years in the dainty pompon and anemone chrysanthemums, often by identical the same persons who formerly sought the largest specimens of that flower at the time obtainable. Take the now commonly grown Crimson Rambler rose; how frequently it is used in most important social functions for its decorative effect in preference to the concededly more beautiful varieties, simply because, for the time being, this rose carries with it the element of novelty. How eagerly would the rose enthusiasts today seek the beautiful hybrid roses, as they were formerly grown, if now available.

"These are the elements of the changing character of our retail business which serve to sustain our conviction that if we would broaden the scope of the rose and still further popularize it we must create greater diversity in the productions we offer.

"If rose growers who are devoted to the production of cut blooms alone believe, as they evidently do, that a list of a half-dozen varieties of the same, embracing



Window Display of W. J. Palmer & Son, Buffalo, N. Y., During Automobile Show Week

The machine in the picture was made of Carnations and Galax Leaves, the frame being made by the firm's wireworker

merely the primary colors, will, even if ever so well grown and beautiful, satisfy the exacting taste and aesthetic inclination of the flower-loving public, I would ask how can they reconcile such a theory with the most palpable contradiction of it, when we consider the marvelous expansion of the rose plant industry as shown by the firms issuing catalogues? Many of these will tell you that they enjoy the continuous patronage of their old customers chiefly by the latter's intense interest in the newer varieties of roses as they are annually offered.

A Fair Test Imperative.

"But the experimenting must be the burden, if we may so call it, of the growers. They must take the initiative steps. The retailers, zealous as they are, cannot offer to the public a variety having only an imaginary existence or merely prospective value. To the timid but perhaps well-meaning grower I would say: try out the new varieties giving promise of a good future; give them a fair and honest test without prejudice; not as we too frequently see growers half-heartedly assigning the most unfavorable spot in their greenhouse to a few dozen plants of a novelty and thereafter being daily disturbed with suspicions that the stranger among their pet varieties is only another fake, and after a brief experience, seem only too willing to denounce it to other florists and exultantly proclaim that they themselves knew it was no good when they bought it.

"As an illustration of the respective attitudes of the retailers and many growers I will cite the case of the Killarney rose, a variety the superior merits of which are now universally conceded. Witness its struggle for the recognition deserved. Soon after the Killarney's introduction in this country, about nine years ago, a few growers experimented with it in a limited way. The keen, well-trained eyes of the retailers, who by chance came into possession of the cut blooms, recognized instinctively their rare beauty and prospective value, and true to the enterprising methods that had already gained for them a big rose trade, soon acquainted their customers with the distinctive finished beauty of the novelty, the supply of which is as yet limited. The increasing popularity of this variety and the consequent demand for it kept much in advance of the supply, which, fortunately, was augmented rapidly in the hands of but a few growers. Retailers everywhere urged more growers to plant it. The latter, nevertheless, were distrustful, and persistently refused to give it a fair trial, and in this case, as in many others, totally ignored the advice of the man behind the counter. One grower would say that it was too short-stemmed; another called it a cropper, and another thought it a shy bloomer. A few wise ones thought that we had too many pink varieties, but in the meantime a few real wise ones—growers and retailers alike—were doing a big business in Killarney roses and incidentally advancing the popularity of the queen of flowers and aiding floriculture generally.

"The growers' indifference to the constant pleadings of the retailers to awaken to the importance of cultivating varieties that would be particularly available in the warm Summer season, has delayed inexcusably the full development of the lucrative trade for both grower and dealer that is obtainable during this period. The present growers cannot justify their lethargy in the past in this respect by the absence in commerce, as they allege, of such varieties as will by their productiveness, color and quality commend them for the purpose named.

"The retailers often wonder, when contemplating the indisputably proud and exclusive position that the rose holds in the hearts and minds of the people, what would be the extent of the commercial importance and increased popularity of the queen of flowers were it not for its present prohibitory price to the masses, which operates to its disadvantage, commercially speaking. With that barrier removed, appear to them visions of acres of glass being annually added to the existing large area now devoted to rose culture, and the additions of thousands of florists engaged in this healthful and profitable industry; and in view of the vast strides made by hybridizers in recent years, may we not reasonably expect that a type of roses can yet be brought out which in addition to the quality of the flowers will be sufficiently productive to allow them to be sold at a price that will place them in the hands of the masses, and their popularity thus be extended to the full gratification of every lover of the rose? And this blessing may by the same process be extended to the multitudes of homes where outdoor culture of the rose is possible, were the suitable varieties available.

"How frequently, on our premises, the prospective buyer, who is viewing with delight a splendid blooming plant of, we shall say, Frau Karl Druschki, asks if it is hardy. We proudly answer in the affirmative and prepare to take an order. When again questioned, Will it bloom again this season? we reluctantly answer in the negative, as we see our prospective sale fade away. There is where we are deficient. We have not yet adjusted our productions to the actual requirements of the people we attempt to serve. We cannot expect amateur rose growers and the general public to purchase and be satisfied with varieties that, even in the hands of skilled florists, will not succeed under similar conditions. And considering the retailers' part in the future, no one can

question the wisdom of carrying forward with still greater vigilance and enthusiasm the splendid work on the identical lines of those pioneer retailers referred to, whose careers were so strongly characterized by eminently successful results.

"In continuing the practice of these methods let us not deceive ourselves as to their sufficiency unsupported in these times. For to maintain the same state of advancement we must enlist some of the means made necessary by the progressive spirit of the day. The exploitation of our wares being essentially a commodity of luxury, calls for our very best efforts to impress the public with their beauty, and the multiplicity of their uses. We must show our finest and encourage the admiration and consequent use of them. We must advertise; the day is upon us to employ printers' ink; our stores and stock must be made familiar to the people; we must acquaint the daily press with the current news concerning the rose, its development, its beauty and increasing popularity. And, indeed, it is a sad commentary we are forced to admit, that of all the matter recently appearing in the daily press and monthly periodicals, columns, yes, pages of it, relating to the rose, either culturally or descriptively, and eulogistic of it as the queen of flowers, very little, if any, of it emanates from the great army of florists whose interests are so materially

ing shade of unattractive color. We shall mention of 'bullheads' that in a measure serve to distinguish the whole rose family.

"Personally, I should prefer to see half of the glass at present devoted to American Beauty given to a few of our leading sorts and a further extension of our present list of forcing varieties, to include those particularly reliable for Summer blooming, and in this position I fully realize that I am in danger of standing almost alone. But it is a well known fact that no longer are retailers embarrassed when they are unable to answer the call of the critical rose customer for American Beauty if they are prepared to offer as a substitute either that marvelously distinct and strikingly beautiful rose, Richmond, or its worthy and popular companion Killarney; and, indeed, these varieties are now often preferred to American Beauty, irrespective of the cost. Even from classic Boston comes the statement in a trade report as recent as last week, that 'the demand for Beauties is not active, many people now preferring Richmond and Killarney.'

"When we reflect upon the dismal failures attending the attempts of some growers in cultivating American Beauty we are moved to pity, and regret that the same glass and efforts were not devoted to other varieties which would be most certain to yield better, if not entirely satisfactory, results.

"In conclusion, allow me to say to those who are engaged in various ways in advancing the interests of the rose, and who at times feel the encroachment of its reputed rival the carnation supported by its aggressive society, to remember that we too have a society devoted to the queen of flowers; and being faithful in our efforts in its ranks, working along the lines of its noble aims, and prompted by its suggestions, we shall maintain the rose in its glorious ascendancy to which its unrivaled beauty, and adaptability to all phases of decorative adornment justly entitle it, and after having accomplished so much in advancing its popularity, we shall still persevere in its behalf until we have achieved the full realization of our cherished desire and ambition—'A Rose for every Home; a Bush for every Garden.'

Discussion.

Philip Breitmeyer: I want to express my appreciation of this most interesting paper. It reminds us of a great many things. First of all we are reminded that Boston was the prime mover in growing roses for the cut flower trade; and while I am only a youngster I can go back 30 years to the time when Mr. Stewart came to Detroit to introduce Safrano and Bon Silene. Just this fact is sufficient to remind one of the progress which has been made. Mr. Sullivan speaks of Bon Silene and some of the older roses and from a retailer's point of view he hints that people nowadays want variety. When they want a bouquet for certain purposes it is up to the florist to do something for them. Bon Silene has been grown for 8 years as a beginning of a new period from where its growth was abandoned 25 years ago. Since that time we have taken it up in our houses, and just how we could get along without it is a quandary to me. We have used it in debutantes' bunches very largely. Some time ago we had an inquiry from New York for some debutantes' bunches and we sent Bon Silene. I shall never forget the calling down we got. That proved to us that the people wanted something new, and it was up to the florist to introduce something that at least looked new. Old Bon Silene has sold more flowers for us in Detroit than any other rose. I move a vote of thanks to Mr. Sullivan.

W. J. Stewart, in seconding the motion, eulogized the paper as of the highest order. Speaking of the problems presented in the paper he said that in the S. A. F. such problems as the intelligent retailer comes across are largely overlooked. It seemed to him perfectly natural that the taste of the public should figure in the question. To-day, when we have our enormous roses a disparity is presented to an extent which allows us to go back to the small roses and establish practically a new class.

Mr. Breitmeyer: At this time and in this place I presume one may express a disappointment. I was exceedingly disappointed at the absence of a good exhibition of outdoor roses. When the thought came to me last year to offer prizes for outdoor roses I imagined I should see a grand display of hybrids suitable for outdoors. It seems to me the growers should make a business of selling to the amateur gardener, and while the American Beauty, Richmond, and others are grand they are seen every day, and the public has no opportunity to see something they can plant themselves. I hope in future growers of roses for the amateur gardener will take advantage of these exhibitions to interest the public in hardy outdoor varieties.

President Simpson concurred in the remarks made by Mr. Breitmeyer, and said that only the year previous he had expressed regret that there were not at least a half dozen exhibits of plants of various

(Continued on Page 476.)



Carnation Alma Ward.

Cottage Gardens Co., Queens, N. Y.

Photo taken Feb. 24, 1908.

enhanced by such publicity, which, in other words, is real advertising without any cost to the negligent beneficiaries. And if the retailers would maintain their coveted position as the leaders in popularizing the rose in the future as in the past, they cannot ignore this powerful assisting agency so universally available.

"The identification of florists with the civic improvement societies now everywhere so popular and aggressive in their work is another means by which our business may be greatly helped.

"All this missionary work must be carried on in the future as in the past by the retailer, and even with more energy than formerly; for the grower, broadly speaking, is not known to the public or its quota of flower buyers, except those growers of Chicago and vicinity who seem to be as successful in exploiting their work, through the daily press, as they are in carrying it on under their immense areas of glass. The retailer has an established identity. He is in the eyes of the people and to them a real fountain of floricultural knowledge.

The Influence of American Beauty.

"Society has, as a result of a combination of circumstances aided by the florists themselves, forced the American Beauty to a position of prominence that seems at times to discourage the hybridizer in his endeavor to produce a successful rival to that famous variety; but, alas, as every retailer knows, that variety at times is anything but a real beauty. But having been wisely christened, its celebrated name often saves it from the condemnation it too frequently deserves. Originators need not fear for a place in this country for their meritorious productions even if they fall far short of the size of the popular American Beauty. Size alone does not always commend a rose; length and strength of stem, with nice foliage, supporting a flower beautifully distinct in color and form, will never suffer materially in comparison with larger size, coarse texture and vary-

CLASSIFIED ADVERTISEMENTS

Cash with order.

The numbers under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants, also of Greenhouses, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cents per line, count 12 lines agate to the inch.

If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding. Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care of Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—By very big and very strong man as laborer; willing worker. Address, Johnson, 505 West 18th Street, New York City.

SITUATION WANTED—Young man would like a situation as assistant or general greenhouse man on private or commercial place. F. J. Tancy, 132 Gurnsey Street, Brooklyn, N. Y.

SITUATION WANTED—Experienced rose, carnation and general stock grower is open for first-class engagement. Married, state wages. Address, N. O., care The Florists' Exchange.

SITUATION WANTED—As grower of roses, carnations, chrysanthemums and bedding stock, Easter and decorative plants. Address, G. O. P., care The Florists' Exchange.

SITUATION WANTED—In an up-to-date store by an American, good decorator and designer or will travel for supply or plant company. References. Address, N. Z., care The Florists' Exchange.

SITUATION WANTED—Young florist, Holland, wants position in general greenhouse work, best of references. Please state wages. Address, N. R., care The Florists' Exchange.

SITUATION WANTED—Foreman wants position in the South. Practical grower of good stock. Married; life experience, references. Please state terms. Address, S. A. G., care The Florists' Exchange.

SITUATION WANTED—As foreman where first-class stock is required. Thoroughly proficient; long experience; satisfactory references. Address, Practice, care The Florists' Exchange.

SITUATION WANTED—First-class grower of Easter and Christmas stock, cut flowers. Twenty years' experience in commercial places. German, 35 years of age, wants position now or later. Address, N. E., care The Florists' Exchange.

SITUATION WANTED—After April 15 as assistant on private place. Aged 26, single, two years in commercial greenhouses. Clean in habit, sober and industrious. References are A. No. 1. Address, N. X., care The Florists' Exchange.

SITUATION WANTED—By young man as propagator for hibiscus and alpine plants; able to show first-class references from the largest farms in Germany and England. Address, A. H., Farmers' Hotel, Springfield, N. J.

SITUATION WANTED—On private or commercial place as head gardener by German, 38, single; good grower of roses, carnations, palms, orchids, also good landscape gardener. Wages, \$18.00 weekly. Address, E. Y., care The Florists' Exchange.

SITUATION WANTED—As foreman where first-class stock is wanted. No. 1 propagator and grower of roses, evergreens and all kinds of greenhouse and nursery stock. Capable of taking full charge of any sized place. I need to handle men to best advantage. Address, N. F., care The Florists' Exchange.

SITUATION WANTED—By Belgian; private place preferred. Has complete knowledge of growing all plants outside and under glass. Good references; only speaks French. Address, Alphonse Anthelot, 258 West 37th Street, New York City.

SITUATION WANTED—By young man; would like a situation as assistant or general greenhouse man on commercial or private place; experienced in nursery. References. Address, Korolyk, 241 East 124th Street, New York City.

SITUATION WANTED—By young man, Swede, who lived in this country 12 years' experience in general greenhouses; will also work in England. Place near town preferred. Address, P. A. Nilsson, Box 75, Short Hills, N. J.

SITUATION WANTED—By man who is manager of large commercial place where all kinds of stock is propagated. Life experience in all branches of floriculture, including designing and displaying. Address, J. L. Fisher, Bristol, Va.

SITUATIONS WANTED

SITUATION WANTED—By German gardener, married, 16 years' experience in landscape and all kinds of greenhouse work. Wants position as foreman on first-class private or commercial place. Address, J. Bauer, 92 Second Street, Brooklyn, N. Y.

SITUATION WANTED—As foreman by an all-around experienced grower, German, 42 years old, 29 years' experience. First-class rose grower, up-to-date designer; good references. Good reason for changing. Please state wages. Address, F. G. Fapsick, care Hugo Plandek, Elmhurst, N. Y.

SITUATION WANTED—Gardener, first-class greenhouse man, good experience in all kinds of gardening, also vegetables and seed store work; German, 29 years of age, 15 years in the gardening and florist business, desires position. Please state wages. Address, Franz Radwicz, General Delivery, New Orleans, La.

SITUATION WANTED—On commercial or private place as section or foreman, aged 32, 16 years' experience in all branches of horticulture and gardening, excellent references. Eastern or Southern States preferred. Address, E. E., care The Florists' Exchange.

SITUATION WANTED—First-class grower of orchids, stove plants. Landscape gardener, 24 years' experience, take position as foreman on private or commercial place. Married, no children. Ask for ability and references. Address, F. J., General Delivery, Morris Plains, N. J.

SITUATION WANTED—Business man who speaks and writes German and Hungarian (also a little English), with an exhaustive experience in seed and gardening business; specialist in producing watermelons, expert in all kinds of seed, understands the whole management and repair of seed cleaning machines, seeks position. Address, E. Schwartz, 334 East 84th Street, New York City.

SITUATION WANTED—As head gardener on private estate with life experience in Europe and this country in every branch, including landscape gardening, fruit and vegetable growing outside and under glass. Competent and capable of managing a first-class private estate. Strictly sober, honest and trustworthy. Best of references as to character and ability. German, single. Address, N. Y., care The Florists' Exchange.

By competent all-around man as foreman of first-class place where full charge is given. A No. 1 grower of chrysanthemums, carnations, roses, pot plants and nursery stock for high-class retail trade. Long experience in handling men to best advantage. A hustler, American, no drinker. Permanent position, fair treatment and good wages expected. State wages. Address, HORTICULTURIST, FAIRFIELD, CONN.

HELP WANTED

WANTED—An experienced rose grower; must come well recommended. Elizabeth Nursery Company, Wilder Street, Elizabeth, N. J.

WANTED—A boy, 14 to 16 years of age, to learn the florist business, German preferred. Address, W. W., care The Florists' Exchange.

WANTED—Young man for general greenhouse work, able to take care of section of carnations, roses, etc. Wages \$12.00 per week. Charles L. Stanley, Plainfield, N. J.

WANTED—On commercial place, a single young man who has had a few years' experience. State experience, salary expected and references. J. Fleming, Glenbrook, Conn.

WANTED—Counter hands with experience in the seed business to put up orders and wait on customers. Also better who knows how to pack. Address, William Elliott & Sons, 261 Fulton Street, New York City.

WANTED—Single man who has had several years' experience in rose growing. Good references as to character and ability indispensable. H. D. Battles, Newtown Square, Del. Co., Pa.

WANTED—A single man to work under foreman; one with some experience in growing high grade pot plants. State experience, references and wages expected. Address, Thomas Roland, Sahand, Mass.

WANTED—At once, a good grower of ornamental nursery stock, also perennials, give references. Beaudry's Nursery Company, 1747 Railway Exchange Building, Chicago, Ill.

WANTED—Two men, one as grower of roses, carnations, chrysanthemums, etc., and one as all-around man who is good potter. Address, H. X., care The Florists' Exchange.

WANTED—At once a man capable of potting, bedding out and assisting in retail store when necessary. Salary, \$12.00 per week. Full particulars and copies of references in first letter. John Reek & Son, Bridgeport, Conn.

WANTED—Young man of good habits for greenhouse work on private place, must produce best references, quick at potting, etc. Must also be total abstainer, state age and experience. Address, P. O. Box 322, Norristown, N. J.

HELP WANTED

WANTED—Good, reliable greenhouse man for position in rose houses. Must have good references and some experience. Wages, \$30.00, room and board. Address, with particulars, H., care The Florists' Exchange.

WANTED—Manager, foreman, to take entire charge of our plant, must be strictly sober, reliable and capable of conducting a large place successfully and be endorsed by former business associates. Also, must be able to take up about \$5,000 worth of stock to have a working interest in the firm. L. F. Darnell, Treasurer, The J. M. Gasser Company, 1035 Prospect Avenue, Cleveland, O.

WANTED

A competent man for designing and packing room to take full charge. Must be a first-class workman on funeral work and be thoroughly experienced in the total outfitting line. Also one experienced on pot plants and design work. Good situations for the right men. Apply with references.

S. J. REUTER & SON, Inc., Westerly, R. I.

MISCELLANEOUS WANTS

WANTED—Address of Otto Rice, formerly of Lockport, N. Y.; Peter Olson, Larchmont, N. Y.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, F. X., care The Florists' Exchange.

WANTED TO LEASE—With privilege of buying, a few small greenhouses with about ten acres rich tillable land, suitable for growing nursery stock, asters, etc., in good retail district. State rent size of houses, city water, railway facilities, etc. Address, Landscape, Fairfield, Conn.

MISCELLANEOUS

FOR SALE—Having two lots, will sell one Cyclopaedia of American Horticulture, new, by L. H. Bailey, in four volumes, cost \$20.00. Will sell cash for \$12.50. John Van Aart, Newtown, Bucks Co., Pa.

A Long Felt Want Supplied

The Greater New York Employment Agency can furnish help of all kinds for florist and greenhouse work. Any nationality. Address

A. HULSEBOSCH, Prop. 51 Greenwich St., NEW YORK CITY Telephone 4839 Rector

FOR SALE OR RENT

FOR SALE OR RENT—Five greenhouses in A No. 1 condition; ample barn and shed room together with eight-roomed cottage, all improvements, and about five acres of land fronting on two streets; 25 miles from New York. Purchaser can have immediate possession or will rent from May 1. Greenhouses now stocked with roses and carnations. Address, Key 1195, care The Florists' Exchange.

FOR SALE—Chance of a lifetime. On account of my husband's death I desire to sell the business and property which consists of eight greenhouses filled with different plants as the market here requires. Also cottage with eight rooms and barn, five acres of land in good condition besides herbals and two hot-water boilers in good condition. If interested, please address Mrs. Ingo Book, 10 College Street, Worcester, Mass.

FOR SALE—A greenhouse establishment consisting of four houses, each 20x100 feet, two houses 20x60 feet, with storage house, store 15x60 feet, stable, barn and dwelling house, all in good condition. Houses well stocked with miscellaneous plants for a retail trade, which consumes the entire output, as well as all nursery stock grown on the place. Situated on a plot 147x325 feet, in the finest part of a thriving suburban town. Possession after May 1, 1908. Good will, stock and accessories, \$5,000, property, \$12,000. Terms, \$5,000 cash, balance on mortgage. Address, H. X. Y., care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—Greenhouse property consisting of seven acres of land, 5000 square feet of glass, dwelling house, all stocked. Desirable location. Address, E. D., care The Florists' Exchange.

FOR SALE—A place of 23 lots, good soil, six greenhouses, well stocked, and a two-story house, located in a good locality. Good home trade; must sell on account of health. Jacob Van Til, 66 Grinnell Avenue, Corona, N. Y.

FOR RENT—A greenhouse property, six rose houses, 100 feet long, propagating house, sheds, etc. Plenty of good soil; near R. R. station. Wm. C. Shuster, Jr., Lansdowne, Pa.

GREENHOUSES FOR SALE OR RENT—With apartments (five rooms), two houses, 18 x 150 each; one, 20 x 150, 3-4 span, two No. 55 Hetchings boilers, all in good condition, vacant. City water. Near station, desirable. A. L. Reynolds, Madison, N. J.

FOR SALE—Florist and seed business, store well furnished with ice-box, counters, show cases, seed drawers, etc. Will sell at a reasonable price. Write for particulars to M. Stead, Florist, Broadway & Walker avenue, Woodhaven, L. I., N. Y.

FOR SALE—Old established florist's stand, situated centrally; elevated, subway and surface cars stop at door. Prompt action will enable you to secure good Easter trade. Suitable for other lines of business. Estate of John Morris, 47 Jefferson Market, 6th Avenue and 9th Street, New York City.

FOR SALE—Greenhouse property, consisting of four acres of choice land, about 13,000 square feet of glass, stocked with 16,000 violet plants. Two cottages, barn and shed, supplied with city water. Also by windmill pumping plant. Good home market. H. F. Palmer, West Hartford, Conn.

FOR SALE—Old established florist stand, situated centrally; dwelling house, eight rooms, heated with hot water; eight houses, 22x90, steam and hot water. One steam and three hot water boilers, all in good condition. Houses all stocked. Fifteen lots, city water. Settling estate cause of sale. Write for particulars to Peattie Estate, Newburgh, N. Y.

FOR SALE—Five greenhouses, under 20,000 feet of glass, with growing crop of carnations; four acres of ground, best kind of soil; five-roomed and attic frame dwelling, 24x36 feet, good well and windmill; barn, horse and wagon. Property built six years ago and is in A No. 1 condition. Will be sold at a bargain. Wisconsin National Loan and Building Association, Room 22, Mitchell Building, East Water and Michigan Streets, Milwaukee, Wis.

FOR SALE NEAR PHILADELPHIA

Nursery and florist business, convenient railroad facilities, very desirable location, greenhouses 8,000 feet of glass, nine-roomed house with all modern conveniences; stable and all outbuildings new and complete, 30 acres of land, 6 planted to ornamental shrubbery, etc.; the greenhouses are stocked with roses and other stock. Price, \$12,500. A rare chance for the right party. Write for an appointment. Trifler need not apply. Address

R. F. D. No. 5, Box 64, Norristown, Pa.

NURSERY

STOCK FOR SALE

SALVIA ZERUBI, 2 in., \$3.00 per 100; \$25.00 per 1000; R. C., \$1.75 per 100; \$15.00 per 1000. Now ready. The Kreuger Brothers Company, Toledo, O.

BRENCHLEYENSIS GLADIOLUS, first size, \$8.00 per 1000; Isaac Buchanan, \$25.00 per 1000. Cash with order. Estate of Louis Schreucht, Floral Park, N. Y.

JAPAN IRIS (Iris Kaempferi), divided roots, 2.5 shoots, mixed, \$4.00 per 100; divided roots 2.5 shoots white, \$5.00 per 100. Large clumps, 10c each. Wm. F. Halsey, Southampton, N. Y.

DALLIA BULBS, twenty-five choice named varieties one-third cactus, for \$1.00; twenty choice named varieties, all cactus, for \$1.00. Catalogue free. C. Peirce, Brighton, Mass.

DALLIA ROOTS—Undivided field clumps, Lyndhurst, Maid of Kent, William Agnew, White Swan, Krelmhilde, John Walker, Catherine Duer and A. D. Livonia. Write for low prices. Wood & Healey, Hammondt, N. J.

SEEDS—SEEDS—SEEDS

Bucklee's Famous "Full of Life" pedigreed strains of the newest and best varieties vegetable and flower seeds, etc. If you have failed to receive a copy of Spring Trade List—write for it to-day. H. W. Bucklee, Rockford Illinois.

Rockford Seed Farms—Forest City Greenhouses. 12,000 CALIFORNIA PRIVET for sale, in three sizes, 2 1/2 to 3 feet, strong and stocky, 7 to 9 branches, \$4.50 per 100; \$42.50 per 1000; 2 to 2 1/2 feet, 5 to 7 branches, \$3.50 per 100; \$32.50 per 1000; 20 to 24 inches, light, \$2.50 per 100; \$22.50 per 1000. Price includes packing and delivery to express company, or L. I. R. R. A. Schievogt, 148 Kingshighway, corner East 14th street, Brooklyn, N. Y.

STOCK FOR SALE

VINCA VARIEGATA, strong, 2 1/2 in. 1 in., \$6.00 per 100. German Ivy, Lobellias, trailing, bushy; Mammoth Verbenas, Drees's fringed Petunias, strong 3 in., \$3.00 per 100; \$25.00 per 1,000. Salvia, Verbenas, Lobellias, dwarf and trailing; Ageratum, blue; Cosmos, in variety, strong 2 in., \$1.75 per 100; \$1.00 per 1,000. 100,000 Geraniums, Camus, Begonias, ready end of April. Wm. S. Herzog, Morris Plains, N. J.

CHRYSANTHEMUMS, R. C., October Frost, Monrovia, Rosiere, Mand Dean, \$2.00 per 100. White Mand Dean, \$3.50 per 100. Geraniums, R. C.; S. A. Nutt, \$12.50 per 1,000. Wm. Langwirth, \$2.50 per 100. Sweet Scented, \$2.00 per 100. Solvia, R. C., \$1.00 per 100. Assorted Fuchsias, blue, R. C., \$1.50 per 100. German Ivy, strong, R. C., 75c per 100. 2 1/2 in. pots, \$2.00 per 100. L. E. Marquette, Syracuse, N. Y.

CHRYSANTHEMUM CUTTINGS, English-bred, Huddley, Cullingford, Perrin, October Sunshine, Bonaffon, Cobbold Pride, Polly Rose, Pacific, \$1.00 per 100 from sand; from soil, \$1.50. White Bonaffon, Jerome Jones, Nonin, Mand Dean, Bonset, Monrovia, \$1.50 per 100 from sand; \$2.00 from soil. Nevens, pink and white Ivory, Rosiere, Bergman, October Frost, \$2.00 per 100. Newtownville Avenue Greenhouses, Newtownville, Miss.

FOR SALE

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parshefsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Retch, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Ice-box, new, full glass front, side entrance, double glasses, best make. Size, 8x34 feet, used only few months. Just what you need for Summer use. Price, \$150. L. O. B. Stamford. Le Page Brothers, Stamford, Conn.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 2 1/2 c.; 1 1/2 in. 3 1/2 c.; 1 3/4 in. 4 1/2 c.; 2 in. 5 1/2 c.; 2 1/2 in. 10c.; 3 in. 14c.; 4 in. 19c. per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, new round boiler, heating 900 sq. ft. of glass, \$40.00. 1 American Radiator Ideal, eight section water boiler, grate 67 by 49, heat about 15,000 sq. ft. of glass, price \$225.00. The above boilers are guaranteed to be in good condition. We have other sizes and makes; write for prices.

ICE BOX 3 ft. wide, 8 ft. high and 2 ft. 6 in. deep, full glass front, white enameled, in good condition with 8 wire bottom drawers. Price, \$25.00.

WALL CASE upper part 6 ft. fancy glass doors. Lower part 3 ft. six drawers, 20 in. deep. In good condition. Price, \$9.00.

NEW THREE PLY ROOFING guaranteed not affected by water or acid. Very strong. 216 sq. ft. roll, \$2.00.

REMINGTON TYPEWRITER in good order, \$25.00.

FISHER BILLING MACHINE with desk, \$10.

SAFES about 3 ft. all around, \$35.00 each.

ROLL TOP DESK almost new, \$16.00.

GARDEN HOSE 60 ft. lengths 3/4 in., guaranteed, 8 1/2 c.; for heavy work, guaranteed, 12 1/2 c.

HOT-BED SASH New: Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS "In lots of 10 boxes." New American, 50 ft. to the box. 10x12 single at \$1.80 per box. 12x14 to 12x20 and 14x14 to 14x20, 16x16 and 16x18, B double, \$2.40 per box. 16x20 to 16x24, 12x24, B double, \$2.52 per box. Discount in large quantities.

PECKY CYPRESS \$26.00 per 1000. We can furnish everything in new material to erect any alze house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers 1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

WHITE MARSH, MD.—Richard Vincent, Jr., accompanied by Mrs. Vincent and his granddaughters, sail for Scotland today, April 4, on the steamer Caledonia. Mr. Vincent will spend ten days with the British horticulturists on their tour of the continent.

Chicago.

The Week's News.

The A. I. Randall Company has been busy in the completion of its new supply quarters on the third floor of its building. The fittings have been put in to adapt the floor to both stock and sales-room requirements.

George Reinberg is about to erect 265 feet long, and planted to American Beauty and Killarney roses.

Charles W. McKellar has completed the installation in his store of a handsome new icebox of large size. It is of special design, part of it having plate glass front and side to allow of the display of orchids.

E. J. Fancourt of the S. S. Penock-Mechan Company, Philadelphia, is a visitor in town.

Mrs. T. E. Waters was an able assistant to Secretary Hammond in the discharge of his duties in connection with the meeting of the American Rose Society last week.

The name of Peter Reinberg is in the list of candidates for aldermanic honors endorsed by the United Societies.

The Chicago Tribune is offering \$1,000 in prizes to amateur gardeners. The awards are to be made to contestants who show the most artistic arrangements of flowers either in a garden situated on their premises, or in some vacant lot, in window boxes or porch decorations. The purpose is to arouse individual effort in making homes and home surroundings more beautiful, a work which should receive the encouragement of every florist. The city is to be divided into five great divisions for the contest, with six prizes for each division amounting to \$200, as follows: Prizes for the best garden, first, \$75; second, \$50; third, \$25. For the best window box or porch display, first, \$25; second, \$15; third, \$10. Seven years ago the Tribune conducted a similar contest, but upon a smaller scale, with the result that its influence, both upon individuals and civic life was widespread. It is stated that 10,000 new gardens were opened in Chicago during the Summer of 1901 as a result of this and other local appeals to the floricultural tendencies of residents.

The Cook County Truck Gardeners and Farmers' Association held its annual banquet at Kolze's restaurant, North Sixty-fourth avenue and West Irving park, March 28.

The automobile parade last Saturday night marked the beginning of a week's carnival planned to open the motoring season. Over 100 automobiles, all florally decorated, took part in the parade, necessitating the use of many thousands of flowers for the occasion. A White Steamer car was loaded to the rail with white carnations. From the Studebaker cars two flower girls distributed flowers to the spectators along the route.

The Rose Society Banquet.

On Thursday evening a banquet was tendered the visiting delegates to the rose show and convention by the Chicago Florists' Club, at the Union restaurant. The large dining room on the second floor was tastefully decorated with greens, and vases of roses comprised the table decorations. The guests to the number of 100 were all assembled at 8:30 and at 9 o'clock the company sat down to an excellent bill of fare. Seats were well bestowed, and there was an absence of anything betokening the formal banquet. With the passing of coffee and cigars President Leonard Kill of the Chicago Florists' Club regretfully announced that the chairman of the reception committee, Phil Foley, who was to have acted as toastmaster, had been called from his seat, owing to an intimation of a bereavement in his family. After welcoming the guests he introduced W. N. Ruld as toastmaster.

The toastmaster inaugurated himself in a neat and brief speech, concluding with a call on the president of the S. A. F. O. H. to respond to the toast of "The American Rose Society."

President Frank H. Traudly upon rising expressed his unpreparedness for response to the toast, and said (to wit) that he was perhaps prepared to say something for the S. A. F. O. However, he did the Rose Society much credit in voicing his praise of the rose exhibition, and the conclusion he had reached that everyone would take a deeper interest in the society's work, a work already appreciated from the fact that so many had traveled hundreds of miles to be present at the meeting.

The toastmaster next introduced President Simpson of the American Rose Society to respond to the toast of the S. A. F. O. H. Mr. Simpson, evidently in a quandary, while gracefully acknowledging the toast to the S. A. F. O. took refuge in the fact that Mr. Traudly was disinclined, perhaps through unfamiliarity with its affairs, to expend his oratorical powers on the Rose Society, and launched out into a laudation of the objects of the Rose Society, its aims, and ambitions. He spoke particularly of the friendly rivalry between the Chicago and Eastern growers at the exhibition and thought it augured well for the society.

The toastmaster then commented at some length upon the relations of the newer societies to the S. A. F. O. which he said posed generally as a big brother to reach out and assist them when they stumbled, and as a call upon one, whom he said had served it longer than anyone else, introduced W. J. Stewart.

Mr. Stewart expressed his pleasure at an introduction in such terms, and said it was worth living 40 years for such heraldry. Although his official connection with the S. A. F. O. was about closed he could not withhold from himself the opportunity to be present with the "bunch," and would always be a camp follower to the end of his life. Referring to the accepted motto of Chicago "I will" he coupled with it the extension of that motto in the work to be done by August Paehlmann, the newly elected president from Chicago of the Rose Society.

Next was introduced in the words of the toastmaster "a modest man, who has not an enemy in the world," Leonard Kill. Mr. Kill took the advantage presented in the introduction, and with a few words resumed his seat, amid cheers.

Philip Brotmeyer was then called upon and took the opportunity to express his pleasure at being able to be once more with his chosen fraternity. As he said, "I have tried to be with them from the smallest kind of a kid up." He could see no reason why the Rose Society should not be as large to-day as the S. A. F. O., but his labors to this end individually had not met with the success he sought. He certainly wished it all success, in fact both societies.

Toastmaster Ruld, then, after some eulogy, introduced Secretary Hammond. Mr. Hammond confined his address, which was lengthy, to his one subject, The American Rose Society, taking the opportunity to detail its history, affairs, and objects, and bespeaking the assistance in the society's work which he knew was possible from Chicago. His plea for an increased membership from the West was both forceful and persuasive.

J. C. Vaughan followed. He opened with a reference to August Paehlmann, the newly elected president of the Rose Society. He remembered, he said, about 16 years ago, hearing that gentleman speak at Milwaukee, and relate that he once lived in that city, and desiring to make a move to Chicago, he took the best road he knew, the tracks of the Chicago, Milwaukee and St. Paul, and walked to Morton Grove, where he stayed, and stayed well. Speaking of horticulture, he said one had only to look in the big store windows on State street to realize how horticulture had advanced. Each one of those enormous establishments had seen fit to use the art for the embellishment of its windows. In the leading stores also were to be seen decorations, horticultural in character. These, he said, were unmistakable signs of the advance of the horticultural and floricultural arts.

The next speaker was W. F. Kasting. After a reference to the exhibition, which in point of quality of exhibits was superior to anything heretofore seen, he made an appeal for a good attendance at the Buffalo meeting next year, promising at that time an exhibition even grander than that in Chicago.

J. A. Valentine, responding to the call of the toastmaster, spoke of the show and the distance he had traveled to see it. He remembered, he said, some years ago seeing a vase of Liberty roses which came from Philadelphia which were worth a journey of 2,000 miles to see. He believed the vase of Killarney which he saw at the present exhibition would remain just as long in his memory.

E. V. Hallow, who was introduced as one who is spending time "educating the kids to become flower buyers in the future," asked whether any could say childhood was not the proper time to do this. "Would you wait until they are 40 years old?" he asked. He then spoke

entertainingly of the Killarney rose. The Killarney rose was an improvement. He would say, the Killarney rose was the product of the Colleen Bawn, the wife of K. Harney. The Scotchman usually believed he could grow the best roses, and this was hard to dispute. When the soil necessary to grow fine rose products was noted, with the enterprise back of it, he could take off his hat to the rose grower.

F. Welch spoke humorously of his visit to Chicago, particularly his visit to the establishments of the wholesale florists. He had been very generally introduced as "a man from Massachusetts," and before he had gotten to the end of the line he discovered that nearly nine-tenths of the trade claimed to be from Massachusetts. What better impetus could the Chicago trade have had? Speaking of the assistance and entertainment given the American Rose Society he said the Chicago gentlemen had earned the everlasting gratitude of all its members and of the profession.

W. H. Elliott, the last speaker called upon, said he was simply a rose grower. Orators were the kind of men in demand that evening, so he would simply allow his exhibits at the show to speak for him. J. H. Pepper.

TRENTON, N. J. Shying at a herd of cows, an automobile belonging to Carl G. Roedling crashed into the home of Mrs. W. J. Chinnick, florist, near the Interstate Fair Grounds, Thursday night of last week, tearing its way through the front walls and almost wrecking the parlor. Mrs. Chinnick and her daughter were in an adjoining room. The older woman opened the door leading to the parlor, looked for a moment at the roaring machine and then calmly inquired, "Is anybody hurt?" No one was hurt, but the automobile was wedged fast in the wall.

LANCASTER, PA.—Albert M. Herr, the popular secretary of the American Carnation Society, is suffering from an attack of the grip.

CANNAS

Our stock is true to Name. Extra Selected, plumb, sound, 2, 3, 4-eyed roots.

Table with 3 columns: Name, Price per 100, and Price per 1000. Includes varieties like Austria, Alba, American, Black Warrior, etc.

DANLIAS, field-grown whole clumps, 40 leading kinds, caucis, decorative and show, true to name, per doz. 45c.; per 100 \$1.00, per 1000 \$30.00. All kinds mixed, per 100 \$3.00; per 1000 \$20.00.

CALADIUMS (Elephant's Ears), sound bulbs, live center shoots, the best quality. Per 100 6-8 in. circumference \$1.50, 8-10 in. circumference \$3.25, 10-12 in. circumference \$5.50.

TIBEROSIS, Dwarf Pearl, the true kind which will produce short stalks with double flowers. 1st size 50c. per 100; \$8.50 per 1000. 2nd size 50c. per 100; \$4.50 per 1000.

GLADIOLUS gand., mixed, 80c. per 100; \$7.50 per 1000. 25 at 100 rate.

All other bulbs, etc., see catalogue. Shellroad Greenhouses, Grange, Baltimore, Md.

CANNAS

Two great Gold Medal Cannas, King Humbert 8c., Wm. Kasting 3c., Brandywine, most magnificent bronze variety of 1st order, 3c. Egandale 2c., Crimson Bedder, a superb variety of 1st order plants or dormant roots.

GERANIUMS, S. A. Nutt, III, Poltevine, Jean Vaud pure pink, 2 in. A No. 1 look, \$7.00 per 1000. Cash.

N. A. CORLIN, Elberon, N. J.

- 500 Trumpet Creeper, 4 yrs. at \$5.00 per 100. 300 Yucca Filamentosa, 3 yrs. \$5.00 per 100. 200 Privet, 4 to 5 ft., 5 to 12 branches, at \$6.00 per 100. 300 Berberis thunbergii, 12 to 18 ins., 10 to 12 branches, \$8.00 per 100. 2000 Honey-suckle, 2 yrs., perfect plants at \$1.00 per 100. 200 Altheas, 2 1/2 to 3 ft. Bushy, \$5.00 per 100. 20 Varieties Strawberry Plants, \$2.50 per 1000. Asparagus, 1 and 2 yrs. \$2.50 to \$3.00.

RIVERVIEW NURSERIES, J. H. O'Hagan, LITTLE SILVER, N. J.

AMONG THE GROWERS

The Dreer Nurseries, Riverton, N. J.

A visit to this extensive establishment on Monday of last week found this firm already very busy with the early Spring rush. During the past two months many shipments for the Southern trade have been made; this is now winding up and consignments are being made in other directions. The packing shed is already becoming overcrowded, and this department has commenced working overtime in order to keep the orders cleaned up daily.

The usual cry heard among the trade about the scarcity of palms does not appear possible when one sees the immense stock of these plants on this place. Here is observed a good stock of Kentias Forsteriana and Belmoreana in from 5-inch pots up to 8-inch and 10-inch tubs. The latter are exceptionally fine stock. We noticed quite a number of arecas, rather more than usual; most noticeable were three houses filled with 6-inch pots. These plants are very desirable stock for growing on. This firm has certainly successfully solved the question of growing coconuts; at the present time six houses are devoted entirely to these plants. We see them in all sizes, from the seed pots up to 7-inch. Instead of sowing the seed of this palm in boxes as formerly, the firm starts the seed in small pots; in this way there is no danger of the tap root becoming broken off in re-potting and the plants go right along without a check.

good strong growth, wood well ripened, and all breaking evenly.

In another palm house is a grand lot of Phoenix Roebelenii in from 3-inch up to 7-inch pots; this is certainly a grand acquisition to the palm family and the demand is steadily increasing.

Among the stove plants there is still a strong demand for the many varieties of marantas; these are grown here very extensively, all the young plants being planted out on benches. Under this system they increase very rapidly.

Dracenas are in splendid condition just now; we noticed several fine lots of Goldieana, Massangeana, Lindenii and terminalis, mostly in 3 to 5-inch pots.

Another house is filled with choice and rare palms. There are a great many varieties here which are seldom seen in commerce, therefore this house appeals very strongly to all who are interested in forming collections of these plants.

Some 25,000 dahlia cuttings were being put in on the day of our visit, while the following day's program was 45,000 rooted cuttings potted from the bench. Three long frames are filled with young plants already potted off. So much care has been given to this department that in the past season the firm was able to report its dahlias growing in the field as being 99 per cent. true to name. The concern deserves great credit for its enormous undertaking the past two years in straightening out the nomenclature of dahlias, as these plants have previously got very much mixed up.

In the fern department, the first thing that attracted our attention was a magnificent lot of cibotium in 8-inch tubs. It is seldom one sees so many plants of this size in one establishment. We noted, as usual, large stocks of the various nephrolepis, and from present appearances the trade is gradually getting down to three varieties—the old Boston, Scottii and Whitmanii. The first named variety appears to be coming back in favor more each year. In the case of some of the varieties that have been introduced the past two years, while they are good for cutting, the plants do not stand well when put into a dwelling house. In this department we noticed a new fern, Pteris Childsii. It has a strong erect growth and when properly finished the ends of the fronds are cristated. This is undoubtedly a fine acquisition to the fern family, and is to the pteris family what Farleyense is to the adiantum family; no doubt when sufficient stock of it is procured it will be a ready seller. There is, as usual, on this place thousands of ferns of the fern dish sizes; among these we noticed a very fine lot of Pteris Wilsonii. These are all well finished plants and are becoming more in demand every year.

This firm is stronger than ever in the perennial department. We noticed frame after frame filled with these plants already in pots, ready for immediate shipment. The success of the firm in adopting the method of potting up these plants in the Fall has been wonderful, and while it has doubled the number of plants of many varieties each year, yet even now it is difficult to supply the increased demand. This is plain proof of the satisfaction the stock sent out by this firm has given.

One range of three houses is devoted entirely to anemones in 3-inch and 4-inch pots, all ready for shipping as soon as the weather opens up. Outside we observed thousands of pots of honeysuckles in all the most popular varieties, also a large variety of clematis and wistaria. These, being all grown in pots, can be planted out and immediate results obtained. Two houses are devoted to cannas; already there are thousands of these plants ready to ship, a great many of the choice and rare varieties being grown on to supply immediate demands.

Another range of houses is devoted entirely to bedding plants. Here we find all the latest introductions of both double and single geraniums, also a large stock of variegated and ivy-leaved geraniums; some six varieties of heliotropes and some of the newer ageratums, also quite a stock of the six different varieties of scented geraniums. No matter what one is looking for in this line it can be found on this place, so large and complete is the stock of everything.

Near the packing sheds we pass through the department devoted entirely to bulbs. We noticed here several men already busy picking out orders for dahlias, gladiolus and other Summer-flowering bulbous plants.

The aquatic department is growing larger each year. There is already a very large stock of young plants, both the hardy and tender water lilies, among them being the latest introductions from Europe and this country. Shipments of nelumbium roots are being made. There is also a complete assortment of all aquatic plants and grasses that go to make lily ponds complete and attractive.

DAVID RUST.

tifully arranged as was the display made by Vaughan's Seed Store. Circumstances had prevented three growers who were raising stock for this exhibition from getting it in shape—they missed maturity somehow. He trusted that outdoor roses would be made a feature of the next exhibition, as in their absence was missed one of the objects of the society's educational work.

M. Barker pointed out the fact that it was very essential for growers to know some time in advance what they were expected to grow, and the late issue of the society's final premium list undoubtedly led to confusion on the part of growers as to the requirements of the exhibition; he suggested that next year the list be issued six months ahead.

President Simpson said that it was found impossible this year to get out the list a day earlier than was done, owing mainly to local conditions.

A full report of the discussion on Wm. H. Elliott's paper on the "Proper Size of a Commercial Rose House" will appear next week.

Secretary Hammond of the American Rose Society writes us under date of March 31 as follows.

"I have never before seen so profuse an exhibition of cut roses; I doubt if it is possible to get a better. One alcove with Pochlmann Brothers Company's American Beauty roses in the center, then three vases of other sorts on each side, was a gem of elegance. W. H. Elliott sent in the cap sheaf of all. The Chicago Florists' Club gave us a good reception. T. E. Waters, secretary of the Florists' Club, did us a lot of service. We have added five life members to our roll."



House of Carnation Alma Ward.

Growers, Cottage Gardens Company, Queens, N. Y.

Photo taken Feb. 24, 1908.

TARRYTOWN (N. Y.) HORTICULTURAL SOCIETY: A well attended meeting of this society was held at Good Templars Hall on Friday evening, March 27, 1908. President Angus filled the chair and in the absence of Secretary Noulbrand William Scott acted as secretary pro tem. Two applications for active membership were received, and the executive committee presented the name of Mr. Henry Siegel for honorary membership. Letters were read from donors to our prize fund for next Fall exhibition and most of the premiums given last year will be duplicated, so the outlook is bright for our next November show. The committee in charge is busy preparing the schedule, which will be sent to all concerned in due time.

The prize for cyclamens, presented by William Scott, was awarded to James Stuart, gardener to Mrs. F. A. Constable, Manamouck, N. Y.; also a cultural certificate. Mr. Stuart brought eight plants in 6 and 7-inch pots, which were perfect in every way. The same exhibitor was also awarded a cultural certificate for a large plant of Pseudotsuga noble in full bloom. W. H. Waite, gardener, Greystone, Yonkers, N. Y., received honorable mention for a vase of schizanthus.

Mr. Tibbets, White Plains, N. Y., will, at the next meeting, give an illustrated lecture on "Aquatic Gardens." He is a very successful grower of these plants and we anticipate a plant evening. A prize is offered by Wm. J. Smith, White Plains, N. Y., for best two flowering plants.

L. A. MARTIN.

In going through the several ranges of palm houses, we noticed something new on top of the hot water boilers and was informed that this was a centrifugal pump driven by a small electric motor, and was used to increase the hot water circulation. Some difficulty has been experienced in the past in getting the hot water to circulate freely in these one-acre ranges. Now this range is the best heated one on the place, and in addition some frames at a distance of 150 feet from the range are also heated from the same boilers.

In passing along we noticed large batches of araucarias in both 5-inch and 6-inch pots. While these are imported by the thousands annually, the demand continues so strong that there is never a very large supply on hand at any one time. The bay tree houses are filled with these in all shapes and sizes; also a large supply of box plants in both pyramid and standard shapes.

The range of short span houses is at present filled with roses, there being upward of 50,000 of these, all breaking well and ready for Spring shipments. The varieties include all the best of the European and American collections. We noticed a larger percentage of hybrid tea roses than in former years, showing that the tendency is to plant these in this country. We never saw a finer lot of roses brought together than are seen on this place this year—

HEADQUARTERS
In Western New York

	Per 100	Per 1000
25000 Winsor	\$6.00	\$50.00
25000 White Enchantress...	6.00	50.00
10000 Enchantress.....	2.50	20.00

IMMEDIATE DELIVERY.
Splendid stock. Satisfaction guaranteed.
Other varieties on application. We are
satisfying others, why not you?

WHITE BROS.
GASPORT, N. Y.

CARNATIONS

WINONA. The true pink. \$12.00 per 100; \$100.00 per 1000.

	100	1000
Red Chief	\$5.00	\$40.00
Aristocrat	6.00	50.00
Winsor	6.00	50.00
Beacon	6.00	50.00
White Perfection	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Enchantress	3.00	25.00
Lady Bountiful	3.00	25.00

F. DORNER & SONS CO.
LAFAYETTE, IND.

LOOK HERE

CARNATION CUTTINGS out of Soil.

	100	1000
Lady Bountiful	\$2.50	\$20.00
Enchantress	2.50	20.00
Queen Louise	2.00	15.00
Harlowarden	2.00	15.00
Fair Maid	2.00	15.00
Lawson	2.00	15.00

POINSETTIA, stock plants for sale, all sizes.
Bride and Maids, own roots, 2 1/2 and 3 in., \$5.00 and \$6.00 per 100.
Grafted Brides, Maids, Killarney, Richmond, 2 1/2 in., \$10.00 per 100.

JAMES E. BEACH, 2019 Park Ave., Bridgeport, Conn.

ROOTED Carnation Cuttings

WINSOR, PINK IMPERIAL 1000 \$40.00
ENCHANTRESS 15.00
BEACON, WHITE ENCHANTRESS... 50.00
VICTORY, WHITE PERFECTION... 25.00

FERNES

Scottii and Whitmani, 5 in., \$2.50 per doz.; 6 in., \$4.00 per doz.; 8 in., 75c. each.

LARCHMONT NURSERIES
LARCHMONT, N. Y.

CARNATIONS

From sand April 1st.

	Net per 100
600 Queen	\$1.75
250 Harlowarden	1.75
1200 Genevieve Lord	1.75

From 2 1/2-inch pots early in April.
1800 Genevieve Lord 2.00 (800 ready now)

100 Aristocrat	6.00
3000 The Queen	2.00
500 Harlowarden	2.00
900 Prosperity	2.00

THE H. WEBER & SONS CO., Oakland, Md.

White Enchantress

Splendid stock and immediate delivery; \$5.00 per 100; \$50.00 per 1000.
Write for list of other varieties.

JENSEN & DEKEMA,
674 W. Foster Ave., CHICAGO, ILL.

ROOTED Carnation Cuttings

PINK

	100	1000
ARISTOCRAT	\$6.00	\$50.00
WINSOR	6.00	50.00
ROSE PK. ENCHANTRESS	3.50	30.00
ENCHANTRESS	3.00	25.00
LAWSON	2.50	20.00
JOOST	2.00	15.00

WHITE

WHITE PERFECTION..	3.00	25.00
" LAWSON	3.00	25.00
QUEEN	2.00	18.00
BOSTON MARKET	2.00	18.00
LOUISE	2.00	18.00
LT. PEARY	3.00	25.00
BOUNTIFUL	2.50	20.00

RED

BEACON	6.00	50.00
VICTORY	3.00	25.00
ROBERT CRAIG	3.00	25.00
FLAMINGO	2.50	20.00

MISCELLANEOUS

PATTEN	2.50	20.00
HARRY FENN	2.50	20.00
HARLOWARDEN	2.50	20.00

Stock guaranteed. Prompt deliveries.

THE LEO NIESSEN CO.
Wholesale Florists,
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Rooted CARNATION Cuttings

CUTTINGS are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

	100	1000
WHITE PERFECTION	\$3.00	\$25.00
WHITE LAWSON	2.00	18.00
QUEEN LOUISE	2.00	18.00

PINK:

WINSOR	6.00	50.00
ARISTOCRAT	6.00	50.00
PINK IMPERIAL	6.00	50.00
ROSE PINK ENCHANTRESS...	3.50	30.00
ENCHANTRESS	2.50	20.00
HELEN GODDARD	2.50	20.00
LAWSON	2.00	18.00

RED:

BEACON	6.00	50.00
VICTORY	3.00	25.00
ROBT. CRAIG	3.00	25.00

CRIMSON:

HARLOWARDEN	2.00	18.00
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VARIEGATED:

MRS. PATTEN	2.50	20.00
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Add \$1.00 per 100, \$10.00 per 1000, to above prices for 2-in. pot plants.

RECENT INTRODUCTIONS

AFTERGLOW \$12.00 per 100
LLOYD (from 2-in. pots)
"PLENDOUR" (Stevenson Bros.), a very promising variety, \$10.00 per 100; \$75.00 per 1000. Prompt delivery.

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CARNATIONS

Large stock on hand. Strictly first-class and healthy. Satisfaction guaranteed. Samples free.

	100	1000
Perfection, Victory	\$2.75	\$25.00
Bountiful	2.50	20.00
W. Lawson, Enchantress	2.00	15.00
P. Lawson	1.80	15.00

Queen, Boston Market, Harlowarden .. 1.50 15.00

Add 50c per 100, \$5.00 per 1000 for April and May delivery from 2 in. pots.

A. A. GANNETT, Geneva, N. Y.

TAKE NOTICE

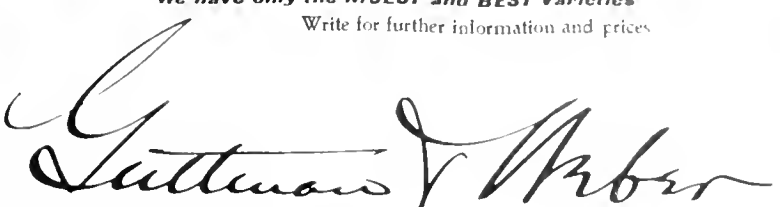
CARNATIONS, from soil and every one a growing plant, quality A No. 1, Pink Lawson, per 100, \$2.00; per 1000, \$18.00. Queen, per 100, \$2.00; per 1000, \$18.00. Fair Maid, per 100, \$2.00; per 1000, \$18.00. Harlowarden, per 100, \$2.00; per 1000, \$18.00. Estelle, per 100, \$2.00; per 1000, \$18.00. 250 at 100c rate. Also DRACAENA INDIVISA, 3 in. pots strong, \$1.00 per 100. Cash, please.

MOREL BROTHERS, 624 East Market St., SCRANTON, Pa.

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on receiving only STRONG and HEALTHY cuttings when you order from US
We have only the NICEST and BEST varieties
Write for further information and prices



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Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, Etc.

The Test Is What Tells The Story

When growers, who buy by the hundred the first season, order thousands the next **IT MEANS MERIT**

BEACON CARNATION

Occupies this enviable position. As an all Winter Blooming Scarlet.

IT HAS NO EQUAL

Strong, vigorous, healthy cuttings ready now, per 100 \$6.00, per 1000 \$50.00

WINSOR	100 \$6.00	1000 \$50.00	ROSE ENCHANTRESS	100 \$4.00	1000 \$35.00
WHITE PERFECTION...	100 \$4.00	1000 \$35.00	ENCHANTRESS	100 \$3.00	1000 \$25.00

Make all Money Orders payable on NORWOOD, MASS.

PETER FISHER, - - Ellis, Mass.

THE NEW LIGHT PINK CARNATION MAY

You will find in this variety one which you will want to grow in large quantity after you give it a trial. It is one of the few varieties which come in early and keep continually at it until transplanting time. The color is better than Enchantress and the bloom is better than Fair Maid and it is freer than either of them.

We are now sending out fine, strong, well-rooted cuttings. Let's have your order now. \$12.00 per 100; \$100.00 per 1000.

Also other new and standard sorts. All the best varieties at current prices. Our stock is in prime condition.

BAUR & SMITH
38th St. & Senate Ave., - - - INDIANAPOLIS, IND.

Strong Well Rooted Carnation Cuttings

Ready for immediate shipment

	Per 100	Per 1000		Per 100	Per 1000
ENCHANTRESS	\$1.75	\$15.00	VICTORY	\$3.00	\$25.00
MRS. T. W. LAWSON	1.50	12.00	ARISTOCRAT	6.00	50.00
BOSTON MARKET	1.50	12.00	WINSOR	6.00	50.00
ROSE PINK ENCHANTRESS	3.00	25.00	WHITE ENCHANTRESS	6.00	50.00

List of novelties and other leading standard varieties sent on application

A. F. LONGREN, - DES PLAINES, ILL.
SATISFACTION GUARANTEED

CARNATIONS ROOTED CUTTINGS GERANIUMS

Ready April 14. Per 1000 Ready now Per 1000

Winsor and Beacon	\$10.00	Nutt, Perkins, Buchner and Doyle ..	\$10.00
Pink Imperial, Aristocrat	30.00	Vand, Poitevine, Castellane and Richard ..	12.50
Enchantress, J. Haines	12.50	Good strong well rooted cuttings as good as some pot plants.	
White Perfection	20.00		
Pink Patten	20.00		
Victory	20.00		

100 at same rate

ASPARAGUS PLUMOSUS ready for three-inch at \$20.00 per 1000.
SMILAX and Sprengeri ready June 1, at \$15.00 per 1000.

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Beg to announce that their **W. Van Kleeef, Jr.**, is again in America calling on the trade. Please ask his prices first before ordering elsewhere. Address during April and May, **Care of MALTUS & WARE, 14 Stone St., NEW YORK CITY**
 Catalogue free for the asking

REVIEW OF THE MARKET

NEW YORK.—The cut flower business, of which we spoke encouragingly last week, has become worse than ever, and no matter what price the stock is offered at, it is simply impossible to effect a clearance. This applies to everything, but particularly to roses, carnations and the general line of bulbous stock. In our rambles through the market early in the week we noticed that both roses and carnations were in quantity, left over from the previous Saturday—something that has probably not happened before this whole season. There always has been some opportunity to move the stock out to speculators at some price or other, but this week has been an exception, and the supplies absolutely could not be cleared at any figure, thousands of carnations and roses without a doubt going to the garbage barrel. It is but two weeks to Easter, and it is to be expected from now on that plants, particularly flowering ones, will command the attention of the retail dealers. It would not seem, however, that between now and Easter there will be or can be, much change in the cut flower market conditions.

CHICAGO.—There is no improvement noticeable in the condition of the Chicago cut flower market. If anything, the tone is lower than a week ago. While there is practically no change in prices, it is evident that there must be some energetic work done to clean out midweek arrivals, which are too heavy for the requirements of the market. Roses are very plentiful, but the stock is fine, and this fact perhaps more than anything keeps rose prices on their present plane, which is low at best. Carnations are shortening up in crop, but there is no scarcity by any means. Bulbous stock still suffers from the influx of outdoor flowers, which is heavier than ever before. Quantities of Lilium rubrum are arriving, but they move fairly well. Haisies are in abundance, too much so for good clearance, and movement is made at times at figures of a bargain character. Adiantum and asparagus sell fairly well, and are good things in the market. Sweet peas continue in brisk demand. **J. H. P.**

BOSTON.—The market remains poor. Monday is generally a good day for trade, but there has been little improvement this week. There are good grades of all kinds of flowers, but the buyers are scarce. Roses have become very plentiful; in fact, it is hard to move them at any price. Carnations are equally plentiful, there is no demand for any special color or variety. Bulbous stock is abundant, selling at prices which leave little if any profit for the grower. Violets are also in large supply; so are sweet peas, but a few dull days make these latter flowers hard to handle. Lilies are plentiful as are callas. There is not such a demand for lily of the valley as there generally is; in fact, there is a dullness which as yet it seems hard to break. **J. W. D.**

INDIANAPOLIS.—The heaviest funeral orders of the year came as a most welcome relief from heavily laden florists' shops. This work was not obtained by one or two retailers, but all of them enjoyed their share and the grower fared accordingly. Decorations are few, but counter trade indicates better times for the store men. Wholesale prices on stock are lower than last year; this is occasioned by a temperature of 75 to 85 degrees. Roses are cropping and select stock is often sold at half the list price; the quality is uniformly good. Richmond, Killarney, and Kaiserin Augusta Victoria, also La France, sell best at \$2 to \$8 per hundred. Carnations are on a level with bulbous stock in price and numbers, \$1 to \$2 per hundred being the unfortunate price. Home-grown violets are scarce at 50c a hundred. Fancy sweet peas, select colors, are turned readily at 50c to 75c a hundred.

A wonderful profusion of plants is seen in all quarters, only the choicest find a profitable sale. **L. P.**

ST. LOUIS.—The past week business was not altogether satisfactory to the wholesalers and retailers. Stock was

again too plentiful in all grades, and the demand light, still there was not the usual glut. The greenhouse men and seedsmen have little to complain of at present, as they are kept very busy; in fact, they are putting on an extra force of help. Prices on stock remain about the same as the week previous, except on carnations, which were part of the week down to \$1 per 100 for the best grades. Roses, too, suffered in price a little; of these the market has an extra supply in all varieties. Long and short American Beauty are in plenty, the former at \$3 per dozen, the latter, \$2 to \$5 per 100. Other roses bring from \$2 to \$6 per 100. Tulips run from \$2 to \$3; violets, 25c to 50c per 100; sweet peas, 25c to 50c; Dutch hyacinths, \$3 per 100; callas, which are in oversupply, \$6 to \$8 per 100; Harrisii lilies, \$10 to \$12.50.

The growers say that on account of Easter coming so late most of the bulbous stock will be over, also violets. In greens the market is well supplied. **ST. PATRICK.**

PITTSBURGH.—Cut flower trade is still quiet, not much doing but funeral work. Stock is not quite so plentiful yet there is too much of it for the demand. Sweet peas are too abundant and low in price. Carnations are held a little higher; roses remain about the same. Harrisii lilies and callas are coming in strong and the prospects for Easter are good for a fine crop. König, Elina, has about 50,000 to cut in fine shape, from now to Easter and his bulbs are exceptionally good.

Blooming plants are now seen daily in the market; the warm spell of weather makes people feel like buying. The seed trade is very active; at W. C. Peckert's store on the North Side everybody is busy from morning to night. **E. C. R.**

PROVIDENCE, R. I.—The market has improved a great deal the past two weeks, with an abundance of all kinds of seasonable stock both in cut flowers and blooming plants. Funeral work has been very good and the cut flower trade shows a much better demand. Carnations are bringing from \$1.50 to \$2.50 per 100 wholesale; Bride, Bridesmaid, Killarney, Golden Gate and Liberty roses are selling for \$1 to \$10 per 100. Violets are a glut in this market and are bringing \$3 per 100. Bulbous stock is very plentiful and is sold for the best price that can be obtained. Flowering plants are numerous and are not moving very fast. **G. A. J.**

NEW YORK.—Charles Nen, a florist of 74 Bay Thirteenth street, Bath Beach, is in the King's County hospital, suffering from a fractured skull, the result of an assault by a saloon keeper on whom Nen had served a summons in a civil suit. It is said that the florist cannot recover from his injuries.

At the meeting of the Horticultural Society of New York, in the Berkeley Lyceum building, 19 and 21 West Forty-fourth street, on Wednesday, April 8, at 4 p. m., H. H. Saylor, Architectural Editor, Country Life in America, will deliver a lecture on "An Architect's Views on the Use of Plants in Tying the House to the Landscape," illustrated by lantern slides.

The plant auction sales, which commenced at the Fruit Auction Company's warehouses on Wednesday, April 1, and which are to be a daily feature during the season, are meeting with success. At Wednesday's sale there was a good attendance of buyers, and a generous consignment of stock from growers. The fruit peddlers are this year handling plants.

FRANKLIN, PA.—The Bell Floral Company, composed of John, Philip and Edward Bell, has taken over and will continue the general florist business carried on for forty years by W. T. Bell and W. T. Bell & Sons, and intend to remove the plant houses now in use in Franklin to the larger place belonging to the concern at Niles, Pa.

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Philadelphia.

Among Growers.

A recent trip to the establishment of Godfrey Aschmann, 1012 Ontario street, found the stock in good condition, ready for the Easter trade. There are about 3,000 pots of multiflorum lilies, well budded, and a large percentage of them of good height. There are upward of 6,000 azaleas in 6 and 7-inch pots; of these 2,000 are VanderCruyssen, 200 Niobe, the balance all good standard varieties—nice plants in just proper condition for shipping. Out in the frames were 6,000 hyacinths in 4-inch pots, 400 pots of daffodils, three bulbs to a 5-inch pot; 2,000 pots of tulips, three bulbs to a 4-inch pot, all looking well and strong. Another house is filled with Spirea Gladstone, well furnished plants, having lots of flower spikes. One house contains 1,000 hydrangeas in 6 and 7-inch pots; the side benches here are filled with moonvines of which 15,000 are sold every Spring. Of cinerarias there are 1,200 plants in 6-inch pots—a very good strain, grown well and clean. There are also some very nice lots of Begonia Erfordi, Primula obconica and daisies all in flower. All the flowering stock is in good condition and at the prices quoted good value for the money.

There were seen a good supply of kentias in from 5 to 7-inch, also a nice lot of araucarias, one batch of Aglaea in 7-inch pots being very good. Of the old Boston fern there are some nice plants in 7-inch pots, while all around, every nook and corner, is filled with geraniums and annuals for Spring trade.

Spring Exhibition.

The Spring show of the Pennsylvania Horticultural Society opened on Tuesday afternoon and while the exhibits were not quite as numerous as in some previous years the quality made up for this lack. The most noticeable varieties of tulips on exhibition were the following: Sulphur Yellow Marillo, Everdina Jacoba, yellow and orange red, Hobbenna, Lord Beaconsfield, Pink Beauty, Prince of Austria, Joost Van Vondel, best white, White Hawk, new satin white. Among the most prominent hyacinths were Rastaijenbloem, white tinted with pink center, Noble Par Merite, pink, Cardinal Wiseman, single pink, Johan, light blue; in daffodils Glory of Leiden is still by far the best. Other good varieties are Princess Ida, small trumpet almost white, C. J. Backhouse.

In spireas superba was the best seen at this exhibition. Of lilies there were some very good plants of both longicornum and Harrisii. One exhibit of four bulbs of Harrisii planted in an 8-inch pot was the best of its kind seen here for many years. Of lilies the principal varieties exhibited were Charles X., Madame Lemoine, Marie Le Graye, Souvenir de Louis Spæth.

The azaleas exhibited by Mr. C. B. Newbold, Samuel Batchelor, gardener, were really better than last year, the three largest plants measuring five feet in diameter, all such a mass of flowers

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Fine, Vigorous Stock

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PINK
 Maud Dean, Minnie Bailey, Dr. Enguehard.

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 Appleton, Bonnation, Jones, Eaton, Wedding, \$3.00 per 100, \$25.00 per 1000.

COLEUS
 Rooted Cuttings, \$1.50 per 100, \$15.00 per 1000. \$2.00 per 100, \$18.00 per 1000; Rooted Cuttings, \$5.00 per 1000; Golden Bedder, Verschaelliti or assorted 12 varieties.

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PINK LAWSON	2.00	18.00
BOSTON MARKET	2.00	15.00
QUEEN	2.00	15.00
ENCHANTRESS	3.00	20.00

500 White Lawson, 500 Boston Market, 1000 Enchantress, 1000 Pink Lawson, 1000 Queen, 2 and 2½ in. pots. The lot for \$100.00.

625 fine 2½ in. KAISERIN ROSES for \$18.00

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S. R. LEVY, Binghamton, N. Y.

that not a particle of foliage was visible. We had, as usual, some magnificent plants of geraniums which are always quite a feature of this show; those exhibited by Mr. James W. Paul, Jr., Joseph Hurley, gardener, were plants measuring from three and one-half to five feet in diameter.

Among the newer plants were several collections of amaryllis; these were principally Burbank's California hybrids and most of them presented some very fine markings. Other new plants exhibited were Asparagus Colemanii, Nephrolepis todeoides, and Pteris Childsii. The best plant of the latter was shown by Mr. George W. Childs Drexel, Thomas Long, gardener, and was in an 8-inch pot, the plant standing 26 inches above the pot. There were several very good exhibits of Spirea Alexandra; this is a very pretty plant, but some were not finished quite well.

The principal exhibit of foliage plants was from Mr. James W. Paul, Jr. His collection which took the first prize consisted of Kentia Belmoreana, Pandanus utilis, Alpinia Sanderae, Latania rotundifolia, Phoenix rupicola, Phoenix Robelouii and Dracaena Sanderrana. **D. R.**

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BEGONIAS

Marjorie Daw, Thurston, Metallica, Rubra and Argentea Guttata, \$1.00 per 100.

BOUGAINVILLEA GLABRA SANDERLANA. 2 1/2-inch, \$4.00 per 100.

CALADIUM ESCULENTUM, 5 to 7 in., \$2.00; 7 to 9 in., \$3.00; 9 to 11 in., \$6.00.

ROSES for outdoor planting or growing in pots, strong 2 1/2 in. pot plants: Clothilde Soupert, Hermosa, Baby Rambler, Maman Cochet, White Maman Cochet, \$3.00 per 100; \$25.00 per 1000.

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VIOLETS. Princess of Wales, thrifty plants from 2 1/2-inch pots, \$3.00 per 100; Hardy English (double purple), \$2.00 per 100.

PANDANUS FILIX. Fine young stock for immediate sale or growing on. 2 1/2-inch, \$6.00 per 100; 3-inch, \$8.00 per 100; 4-inch, \$12.00 per 100.

KENTIA BELMORIANA, 2 1/2-inch pots, \$3.00 per 100; 3-inch pots, \$4.00 per 100; 4-inch pots, \$5.00 per 100; 6-inch pots, \$50.00 per 100. Clean, cool-grown. Extra Value.

LATANIA BORBONICA, 3-inch pots, \$5.00 per 100; 6-inch pots, 5 to 6 leaves, 15 to 18 inches high, 60c. each.

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Standard Geraniums, our choice of varieties, in red, pink, and white, \$2.00 per 100.

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Strong 2 and 3 eye divisions, as follows: Allemania, Austria, Chas. Henderson, Fair Hope, Progression, Shenandoah, \$2.00 per 100; \$17.00 per 1000. Beate Poitevine, Crimson Bedder, Egandale, Florence Vaughan, Papa Nardy, \$3.00 per 100; \$25.00 per 1000. King Humbert, \$10.00 per 100.

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WHITE—Timothy Eaton, Mrs. Geo. S. Kolb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Tonset, Jennie Nolin, October Frost, **PINK**—Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere, **YELLOW**—Major Bonnaffon, Yellow Eaton, Cream, Robt. Halliday, Yellow Jones, "Baby," small yellow, \$2.00 per 100; \$15.00 per 1000. Cash with order.
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Golden Bedder, Crimson Verschaffeltii and fifteen other varieties, R. C., 60c. per 100; \$5.00 per 1000.

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AGERATUM, Stella Gurney, \$0.50 per 100; \$4.00 per 1000.
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SWEET ALYSSUM, 1.00 per 100; \$8.00 per 1000.
HELIOTROPE, dark, .75 per 100; \$6.00 per 1000.
FUCHSIAS, .75 per 100; \$6.00 per 1000.
FEVERFEW, double white, 2.00 per 100; \$15.00 per 1000.
ASPARAGUS PLUMOSUS, Nanna and Sprenger, 3 in. pots, \$4.00 per 100. Cash with order.

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Small, thrifty, from pots, sent nearly free of soil. Nutt, \$12.00; Doyle, Grant, Buchner, \$13.00. Ricard, Poitevine, Perkins, Vland, Dryden, Hill, \$15.00 per 1000.

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Fancy, brightest only and G. Bedder, \$5.00 Verschaffeltii, \$3.00 per 1000. Giants, most brilliant of all, 90c. per 100. Plants, Sage, Fire-bell, Alternanthera, Red Rug and A. Nana, and Pansies, large, choice, 75c. per 100. Glad to fill, blooming size, \$3.00 per 1000, extra size, \$5.00. They will be in good condition quite a lot of Geraniums, Coleus, Pansies, and other stock by April 15th, at above prices. **Bushy Coleus** from soil, in May, red and yellow, per 100, \$5c.; Fancy, 75c.; Giant, \$1.00. Send for list. Cash.

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Geraniums, Heliotropes, Etc.

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From 2 1/2 inch pots, repotted from 2-inch. Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John...

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COLEUS

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem...

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Mrs. Clay Erick, Zimmers Yellow, Mary Mann. From 2 1/2 in. pots \$1.00 per doz.; \$6.00 per 100.

Rooted Cuttings, \$5.00 per 100.

CHOICE POMPONS, Klondyke, Quinola. CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita.

STANDARD VARIETIES

WHITE—Early: George S. Kalb, Polly Rose, Early Snow, October Frost, Mid-Season: Clementine Tonset, White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Niveus...

PINK—Early: Glory of the Pacific, Roslere, Mid-Season: J. K. Shaw, Adela, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant, Late: Maud Dean, The Harriott, Mayor Weaver, Mrs. James Marshall.

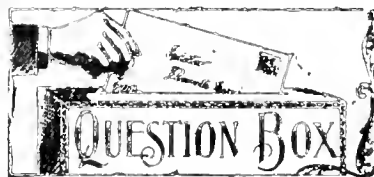
YELLOW—Early: Monrovia, Mid-Season: G. Pitzer, Col. D. Appleton, Late: Major Bonaffon, Golden Wedding, H. W. Reiman, Y-Flow Eaton.

RED—Cullingsford, Merstham Red, Matchless. BRONZE YELLOW—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Lula (White), Bribas (Pink).

From 2 1/2 inch pots: 5c. each, 50c. per dozen, \$3.00 per 100, \$25.00 per 1000.

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(55) Nuts for Name.—Kindly inform me if the enclosed seeds are beans or nuts; also name of same. They are sold here under the name of "Southern mountain nuts." H. B. M. New Jersey.

—The seeds are those of some pine, probably Pinus flexilis or the Pinon pine. J. M.

(56) Coconut Fiber.—Where can coconut fiber be purchased and at what price? Ohio. B. C. B.

—We do not know of any dealer handling coconut fiber at the present time. Perhaps some reader can supply the information desired.

(57) Wire Worms.—Can you inform us as to the worm we send herewith? We have tried lime, but without success. What will kill the insect, and what is the name of it? We have our house planted with Asparagus plumosus nanus. New Jersey. P. B.

—The insect sent for examination is the well-known wire worm, which is a great feeder on the roots of plants. Sterilizing, or freezing the soil thoroughly through the Winter time, is the only effectual remedy for this pest. The worms can be kept fairly well in check, however, by using sliced carrots as a bait, laying a piece here and there along the benches and examining it every day, destroying such worms as have been attracted.

(58) Press Schedule.—Kindly explain to a beginner just what you mean by the press schedule (column 1, page 344). Are publications upon the subjects there given offered for sale, and if so, at what price and by whom? Penn. W. G. N.

—The press schedule referred to is merely a list of the subjects that the National Council of Horticulture will have prepared and published in the daily press this year. These articles are written and sent out with a view of interesting the public at large in everything pertaining to horticulture, and are published by the leading newspapers of the country.

(59) Slugs Destroying Carnations.—We send some carnation buds which have been partly eaten by some insect; we have failed to discover what it is. Can you tell us, and also suggest a remedy? Tenn. W. & M.

—The flower buds of the carnations have been eaten by slugs. One of the best remedies for this pest is to take a lantern and go over the plants at night and pick off the slugs. Do this two or three nights in succession and give the surface of the soil a good dressing of fresh lime occasionally. In this way the slugs can be eradicated.

(60) Mushrooms.—I have the finest lot of mushrooms—big, white, like snow. My employer complains about the mushrooms getting black after cooking. Do you think it is the fault of cooking? I do not see very well how it could be my fault. Do mushrooms require to be cooked at all? They are not open when I pick them, and I gather them every morning. New Jersey. C. H.

—Mushrooms will turn black when cooked if they are old, or even if they are cooked too long. However black they may get by the cooking, we do not believe that their flavor is impaired or that they are spoiled in any way. Perhaps in this case the cook does not use them while strictly fresh, and perhaps cooks them too long. Mushrooms should always be cooked before eaten; they may be eaten raw of course, and so may a potato, but they have then little flavor.

(61) A Beginner with Carnations.—In the purchase of 1,500 carnation plants by a beginner, what varieties

should he buy, and in what proportion for a village of 7,000? Also, as I am just starting in, how am I to get the wholesale prices advertised in your paper? A. O. C.

New York.

—If it is desired to market the flowers from the carnation plants to the local trade, we would advise planting in about the following order: 100 red, using either Ileana or Victory; 400 white, using White Perfection or White Lawson; 400 light pink, using Winsor, Welcome or Enchantress; 400 dark pink, using Mrs. Thos. W. Lawson or Afterglow; 100 crimson, using Harry Fenn or Harlowarden; 100 variegated, using Mrs. M. A. Parten. If, however, it is desired to market the flowers at wholesale, shipping them either to Buffalo, New York or Boston to any of the wholesale dealers, it would be better not to plant so many varieties. In fact, with a stock of only 1,500 plants we would grow only white and pink, cutting out the red, crimson and variegated altogether. By ordering plants, or cuttings, from any dealer advertising in The Florists' Exchange, stating where you saw the advertisement and sending your business card, showing that you are in the trade, and the cash, you can obtain the goods desired at the prices advertised.

(62) Sterilizing Carnation Soil.—Could you inform me as to the best way to sterilize soil to be used in carnation benches, as I have no steam? Would it be advisable to construct a galvanized box and keep fire under same until the soil is baked? My soil is full of wire worms, and hundreds of toadstools make their appearance all through the Winter. Would the baking process take from the value of the soil? Mass. G. C. B.

—I do not think it would be practicable or desirable to construct a sterilizing plant on the basis you suggest. If you have a large commercial establishment I think you will find it to your advantage to purchase a boiler which will carry 40 to 60 pounds steam pressure with safety and arrange a regular sterilizing box of one of the types suggested by the Massachusetts Experiment Station, in Bulletin 55. The dry heat which would be produced in the system you suggest will burn the soil and injure its mechanical texture. While it will undoubtedly accomplish the destruction of the spores and insects with which you are now annoyed, it will burn out the organic matter to such an extent as to make the soil undesirable for the use to which it is wished to put it. The advantages of sterilization are, I believe, sufficient to warrant the installation of a boiler, or the hiring of a portable boiler, for the purpose of sterilizing the soil in which roses, violets and vegetable crops are grown. Carnations do not suffer as much from soil troubles as do many other greenhouse crops.

L. C. CORBETT, Horticulturist, Bureau of Plant Industry, Washington, D. C.

BLOOMING PLANTS FOR EASTER

10,000 AZALEAS, just right. Never were better. Niede, Van Der Cruyssen, Empress of India, Veracenna, Fire Fly, etc. 50c, 75c, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00, \$3.50, \$4.00 and \$5.00 each. RHODODENDRONS, \$1.50 to \$3.00 each. SPIREAS, 25c, 35c, 50c each. HYDRANGEAS, 50c and up. BABY RAMBLERS, 5 and 6 in., 40c and 50c each. GENSHIAS, 35c and up. HYACINTHS, \$10.00 per 100. HYACINTHS, first size, select, \$15.00 per 100. LILJEM GIGANTEUM, in pots, 15c. each. NARCISSUS, \$4.00 per 100, in pots and pans. TULIPS, \$5.00 per 100, in pots and pans. LILY OF THE VALLEY, \$3.00 per 100, in pots and pans. LILACS, \$1.50 each.

Mount Troy, JOHN BADER ALLEGHENY, PA.

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Pansy Plants

Giant Flowering, \$2.50 per 1000, \$20.00 per 100. ALTERNANTHERAS, Red, Yellow, April 10, 2.00. COLEUS, 10 Var, 2 1-4 in., 2.50. VINCA VARIEGATED, 2 1-4 in., 2.00. VERBENAS, April 15, 2.00. CANNAS, C. Henderson and eight other varieties, dry bulbs, 2.00.

Geraniums

10 Var. 2 1-2 in. pots, \$25.00 per 1000, \$3.00 per 100. DOUBLE PETUNIAS, 4.00. ASPARAGUS PLUMOSUS, 2.00. ASPARAGUS SPRENGERI, 2.00. CENTAUREA GYMNOCARPA, Apr. 15 2.00. Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio

ASPARAGUS, BOSTONS, AZALEAS

Plumosus Nanus, 2 1/2 in., \$3.50 per 100, \$30.00 per 1000; 3 in., 6c.; 3 1/2 in., 10c.; 4 in., 15c.; 5 in., 20c.; 6 in., 30c. Comorensis, 2 in., 2c.; 2 1/2 in., 3c.; 3 1/2 in., 6c. Sprengeri, 2 1/2 in., 3c.; 3 1/2 in., 8c.; 4 in., 10c.

Bostons, 2 1/2 in., 4c.; 3 in., 5c.; 6 in., 40c.; 7 in., 65c.; 8 in., \$1.00 to \$1.50; 10 in., \$1.50 to \$2.00. Azaleas. We are now booking orders for delivery. Our stock is the best in the West. Kinloch, Delmar 474 L. J. W. DUNFORD, Kings Highway and Page Bld., St. Louis, Mo.

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Fine plants, 3 and 4 in., \$3.00 and \$5.00 per 100. SINGLE PETUNIAS, 3 in., \$3.00. Rooted cuttings by mail 1.25. VINCA variegated, R. C., 1.00. VINCA variegated, 4 in. plants 15 in. high 5.00. GAZANIA Splendens, R. C., 1.50. ASPARAGUS, Sprengeri, 3 in., very strong 5.00. SALVIA, tall and dwarf 1.00. STROBIANTHES Dyerianus, R. C., 1.25. GERANIUMS, Mme. Salleron, R. C., 1.50. MOON VINE, Smith Hybrid Seedling, transplanted 2.00. MOON VINE, 2 1/2 in. pots 3.00. DRACAENA Indivisa, 4, 6 and 7 in., \$10.00, \$15.00 and 24.00. SINGLE HOLLYHOCKS, fine strain, strong 2.00. Cash with order, please.

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LONGIFLORUM, MULTIFLORUM, standard height, fine plants, 10c per bud for plants of 5 and over 5 buds; 12c per bud for plants having less than 5 buds. Let me ship you LILIES with buds still closed, ready to open, preventing bruising.

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5 in. 20c., 6 in. 35c each; 2 1/2 and 2 3/4 in. \$22.50 per 1000.

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Wholesale Prices of Cut Flowers, New York, April 1, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special.....	10.00 to 20.00	Carnations	Int'l grades, all colors.....	.75 to 1.00
	" extra.....	8.00 to 10.00		STANDARD White.....	.75 to 1.00
	" No. 1.....	8.00 to 10.00		" Pink.....	.75 to 1.00
	" No. 2.....	6.00 to 8.00		VARIETIES Red.....	.75 to 1.00
	" No. 3.....	2.00 to 4.00		" Yel. & Var.....	.75 to 1.00
	Bride, Maid fancy-special.....	4.00 to 5.00		" White.....	1.00 to 2.00
	" extra.....	2.00 to 3.00		" (*The highest grades of standard var) Pink.....	1.00 to 2.00
	" No. 1..... to 1.00		" Yel. & Var.....	1.00 to 2.00
	" No. 2..... to 1.00		NOVELTIES	2.00 to 3.00
	Golden Gate.....	1.00 to 6.00		GARDENIAS, per doz.....	1.00 to 3.00
RICHMOND.....	1.00 to 8.00	LILAC, per bunch.....	.50 to .63		
Mme. Abel Chatenay.....	1.00 to 6.00	LILIES.....	6.00 to 12.00		
ADANTUM.....	.50 to .75	LILY OF THE VALLEY.....	1.00 to 2.00		
CROWNEANUM.....	1.00 to 1.50	MIGNONETTE.....	3.00 to 6.00		
ASPARAGUS.....	25.00 to 50.00	LILY OF THE VALLEY (Paper White).....	..... to 1.00	
Plumosus, bunches.....	15.00 to 25.00	" Yellow.....	..... to 1.00	
Sprengerl, bunches.....	15.00 to 25.00	" POETICUS.....	..... to 1.00	
" ".....	..... to	SMILAX.....	8.00 to 15.00	
CALLAS.....	6.00 to 8.00	VIOLETS.....	.25 to .40		
CATTLEYS.....	40.00 to 50.00	CORNFLOWERS.....	..... to 1.50	
CYPRIPEDIUM.....	5.00 to 8.00	HYACINTHS, Roman.....	.50 to 1.00		
DAISIES.....	2.00 to 3.00	SWEET PEAS (per doz. bunches).....	.75 to 1.00		
FREESIA, per bunch.....	.10 to .20	TULIPS.....	1.00 to 2.00		

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New Orleans.
News Notes.
At the meeting of the New Orleans Horticultural Society held on March 19, there was a good attendance of members, and a revival of interest was shown in the proposed chrysanthemum show, which it was decided to hold on November 12, 13, 14 and 15, 1908.

Ed. Baker, for several years superintendent of Audubon Park and later in business on his own account as a landscape gardener, has given up gardening to take the management of a large ice cream company.

Francois Grucoy, who has been located for several years at the corner of Garondelet and Washington streets, has recently become the owner through purchase of that corner.

James A. Newsham sailed recently for Central America on an orchid collecting trip. R. Lockerbie will have charge of his business during Mr. Newsham's absence.

Owing to our very mild Winters geraniums and other flowering plants are moving slowly. Geraniums are to be seen in the different gardens which have survived several Winters and have grown to be large bushes, and at this time are profusely covered with flowers. Another distinctive feature of New Orleans gardens are the rubber trees several years old, and very attractive bushes they make.

Justin St. Mard is receiving congratulations on the birth of a son.
CRESCENT CITY.

SIoux CITY, IA.—The Sioux City Nursery and Seed Company, competing with ten out-of-town nurserymen, received the contract for planting 1,500 trees in Fairview Park.

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FOR EASTER Ramblers, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50. Easter Lilies (plants and cut), 12 1/2c. per flower. Also a choice stock of other plants. Prices on application.
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Cincinnati.

News Notes.
 There is no improvement in business since last report; therefore, an overstocked market. The outlook for Easter is a problem, but there will probably be enough flowers to go around.
 Mr. Schenck of Columbus, O., was in the city on March 28, looking for Easter novelties in plants, and, of course, had to go to Peterson's, as he is the only novelty grower in Cincinnati.
 Friday and Saturday (March 27 and 28) the temperature reached 80 degrees, but on Sunday a heavy storm dropped it back to 40 degrees where it remains at time of writing.
 The flower market on Saturday, the 28th, was packed with all kinds of stock, but the business done was not up to the standard by a long way.
 George & Allan, our large bulb growers, have been heavy losers so far this season, and it is certainly a shame to see such fine stock go to waste.
 E. G. G.

Boston.

News of the Week.
 Notwithstanding the dull trade prevalent not only in the flower business, but in all other industries, the prospects of the Easter plant trade are bright. Lilies will be none too plentiful, that is, good lilies; but there are many this year that are not up to the standard. Azaleas will be plentiful and good; and there will be no lack of all kinds of plants. Violets have always been great favorites at Easter in this city, but this year the date is so late and the season so mild that prominent growers of these flowers predict a scarcity.
 At W. W. Rawson & Company's trial grounds at Marblehead many varieties of Spring bulbous plants will soon be in bloom; already several species of the pretty dwarf Asiatic irises have gone by, opening their pretty blossoms with the last days of Winter.
 Zinn the Beacon street florist presented his foreman, Wm. Chase, a silver service last week in consideration of his ability and faithful attention to duties during the past ten years.
 J. A. Cartwright, salesman for the Waban Rose Conservatories, has been on the sick list for the past week, suffering from kidney trouble. P. J. Donoghue had to cut short his visit to the Chicago rose show, on account of Mr. Cartwright's illness.
 The sweet pea houses of William Sim are a glorious sight at present; there are seen many thousands of blooms in all of the finest Winter-flowering varieties.
 At the last Saturday meeting of the season of the Massachusetts Horticultural Society a conference was held on growing hardy grapes. W. C. Strong presided. An interesting paper was read by Mr. Rich that had been prepared by C. W. Libby, and Messrs. A. C. Hixon, Worcester; H. A. Cook and Jos. Chase gave interesting talks on their experience in grape growing. A paper on the subject by N. B. White was also read by Mr. Rich and there was considerable discussion by other members interested in the subject.
 The Gardeners and Florists' Club outing at the establishment of Thomas Roland, Nahant, on April 11, will be one of the most interesting ever held, as members will have an opportunity of seeing what Mr. Roland does in the Easter plant line. Those intending going will leave North Station, Boston, for Lynn at 12:30 and all who possibly can go should avail themselves of this trip.
 J. W. DUNCAN.

Wholesale Prices of Cut Flowers—Per 100

Boston	Buffalo	Detroit	Cincinnati	Baltimore	NAMES AND VARIETIES	Milwaukee	Philadelphia	Pittsburg	St. Louis
Mar. 31, 1908	Mar. 30, 1908	Mar. 29, 1908	Mar. 30, 1908	April 1, 1908		Mar. 29, 1908	Mar. 30, 1908	Mar. 30, 1908	Mar. 30, 1908
30.00 to 40.00	20.00 to 30.00	25.00 to 35.00	to 30.00	to 30.00	A. BEAUTY, fancy-special	to 25.00	20.00 to 25.00	20.00 to 25.00	15.00 to 20.00
20.00 to 30.00	15.00 to 20.00	15.00 to 25.00	to 20.00	to 20.00	" extra	15.00 to 18.00	18.00 to 20.00	10.00 to 15.00	10.00 to 12.50
10.00 to 20.00	8.00 to 10.00	10.00 to 15.00	to 10.00	to 10.00	" No. 1	10.00 to 12.50	10.00 to 15.00	6.00 to 8.00	6.00 to 8.00
4.00 to 10.00	3.00 to 8.00	4.00 to 10.00	to 6.00	to 6.00	Oulls and ordinary	4.00 to 8.00	5.00 to 10.00	4.00 to 5.00	2.00 to 5.00
8.00 to 10.00	to 10.00	8.00 to 10.00	to 6.00	8.00 to 10.00	BRIDE, 'MAID, fancy-special	to 6.00	8.00 to 10.00	to 10.00	6.00 to 8.00
4.00 to 8.00	to 10.00	6.00 to 8.00	4.00 to 5.00	7.00 to 8.00	" extra	to 4.00	6.00 to 8.00	to 4.00	2.00 to 3.00
1.90 to 6.00	5.00 to 10.00	6.00 to 8.00	2.00 to 3.00	6.00 to 7.00	" No. 1	to 3.00	3.00 to 4.00	to 2.00	to 2.00
to 3.00	to 6.00	4.00 to 6.00	to 2.00	4.00 to 5.00	" No. 2	to 2.00	3.00 to 4.00	to 2.00	to 2.00
to 8.00	to 4.00	3.00 to 4.00	to 2.00	4.00 to 5.00	GOLDEN GATE	4.00 to 6.00	3.00 to 4.00	4.00 to 6.00	2.00 to 5.00
to 8.00	to 8.00	to 4.00	to 2.00	5.00 to 10.00	K. A. VICTORIA	4.00 to 6.00	to 10.00	4.00 to 10.00	to 5.00
to 4.00	to 7.00	to 4.00	to 2.00	6.00 to 10.00	LIBERTY	4.00 to 6.00	to 25.00	4.00 to 10.00	to 5.00
to 4.00	to 7.00	to 4.00	to 2.00	6.00 to 10.00	ORCHIDS—Cattleyas	4.00 to 6.00	to 25.00	4.00 to 10.00	to 5.00
to 1.00	to 2.00	to 1.50	to .50	to 1.00	PERLE	to 4.00	to 10.00	4.00 to 10.00	to 5.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	Inferior grades, all colors.	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	Standard	1.00 to 1.50	1.50 to 2.00	to 2.00	to 2.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	Varieties	1.00 to 1.50	1.50 to 2.00	to 2.00	to 2.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	White	1.00 to 1.50	1.50 to 2.00	to 2.00	to 2.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	Pink	1.00 to 1.50	1.50 to 2.00	to 2.00	to 2.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	Red	1.00 to 1.50	1.50 to 2.00	to 2.00	to 2.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	Yellow and var.	1.00 to 1.50	1.50 to 2.00	to 2.00	to 2.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	White	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	Pink	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	Red	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	Yellow and var.	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	CARNATIONS	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	(Novelties	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	ADANTUM	to 1.00	1.00 to 1.50	1.00 to 1.25	to 1.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	ASPARAGUS, Plum. and Ten	to 1.00	1.00 to 1.50	1.00 to 1.25	to 1.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	" Sprenger, bunches.	20.00 to 30.00	35.00 to 50.00	30.00 to 50.00	25.00 to 40.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	CALLA	20.00 to 30.00	35.00 to 50.00	30.00 to 50.00	25.00 to 40.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	CHRYSANTHEMUMS	to 10.00	6.00 to 12.50	6.00 to 8.00	8.00 to 10.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	DAISIES	to 10.00	6.00 to 12.50	6.00 to 8.00	8.00 to 10.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	GLADIOLUS	to 10.00	6.00 to 12.50	6.00 to 8.00	8.00 to 10.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	LILIES	to 10.00	6.00 to 12.50	6.00 to 8.00	8.00 to 10.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	LILY OF THE VALLEY	8.00 to 12.50	8.00 to 12.50	8.00 to 12.50	8.00 to 12.50
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	MIGNONETTE	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	SMILAX	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50	VIOLETS	to 15.00	15.00 to 20.00	10.00 to 15.00	to 12.50
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50		.50 to .75	.25 to 1.00	.25 to .50	.20 to .80
to 2.00	to 2.00	to 1.50	to 1.00	to 1.50		to .75	to 1.00	to .50	to .80

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STRATFORD, CONN.—The Frank E. Conine Nursery Company have received a car load of exceptionally choice stock from France and Holland. The shipment this year is larger than it has ever been before. This looks as though despite the strenuous times the trade along this line had not been greatly affected, as many of the choicest plants consisting of roses, rhododendrons and evergreens are already ordered in advance. The business of the company has been growing in a marked degree during the past two years.

GREEN BAY, WIS.—Charles De Clerc, North Adams street, was the victim last week of a check forger, losing \$10 for floral designs ordered and \$8.20 in change. The usual game was practiced, and the forger is still at large.

FORT THOMAS, KY.—Otto Bradley, an employee of Smith & Goeckel florists, died on Thursday, March 19, 1908. He was 46 years of age, and single.

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Manufacturers of WIRE DESIGNS
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Phone, MAIN 874. P. O. Box 103

J. A. BUDLONG
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Roses and Carnations WHOLESALE GROWER of CUT FLOWERS
A Specialty

Wholesale Prices of Cut Flowers, Chicago, April 1st, 1908
Prices quoted are by the hundred unless otherwise noted

Table with columns for ROSES (American Beauty, 36-inch stems, etc.) and CARNATIONS (White, Pink, Red, etc.). Includes prices per doz. and per 1000.

New York.
The Week's News.
The Lord & Burnham Company recently had a visitor from the West. A man from Goldfield, Col., came all the way to this city to buy a Burnham boiler. He was in such a hurry for the article that he did not have time to have it sent by freight, but had it expressed at a cost of \$725. The boiler itself cost \$170. This would certainly indicate that the man was in a hurry for a Burnham boiler, and he was bound to get it and have it delivered early at any cost.
Secretary Young of the New York Florists' Club informs us that for the next meeting, which will be held in the Grand Opera House Building, Twenty-third street and Eighth avenue, there will be a very fine display of roses and other flowers. The Julius Roehrs Company, Rutherford, N. J., will send Newport Fairy; the E. G. Hill Company, Richmond, Ind., Rhea Reid; Myers & Samtman, Philadelphia, Pa., Wyndmoor; John Cook, Baltimore, Md., My Maryland; Poehlmann Brothers, Chicago, Ill., Mrs. Potter Palmer; W. P. Craig, Philadelphia, Pa., Mrs. Jardine; W. A. Mandat, South Orange, N. J., the new Cherokee rose; and A. Jahn, New Bedford, Mass., carnation Lloyd. No doubt others will decide to exhibit at this meeting.
Lectures will be delivered in the lecture hall of the museum building of the Garden, Bronx Park, on Saturday afternoons, at 1:00 o'clock as follows: May 2, "A Botanical Expedition to Jamaica and Cuba," by Dr. Arthur Hollick; May 9, "Early-Flowering Trees and Shrubs," by Dr. N. L. Britton; May 16, "Plant Life of the Sea," by Dr. M. A. Howe; May 23, "Ornamental Shrubs: Their Selection and Arrangement," by George V. Nash; May 30, "Plants that

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enormous. It would seem that every grower is right in the midseason with his crop, and one wonders what the conditions will be in two weeks from now when Easter strikes us.
N. Lockes & Company, wholesale florists and dealers in Southern green at 53 West Twenty-eighth street, have been incorporated with a capital of \$9,000. The directors are David C. Page, Rich and I. Claus, Donald P. Hayme, all of New York.
John Young is cutting from 300 to 500 special grade American Beauty blooms from his range at Bedford Station, N. Y.
W. J. Palmer, Buffalo, N. Y., and Carl Jurgens, Newport, R. I., were visitors this week.
The members of the New York Florists' Bowling Club at its meeting on Friday, March 27, made the following scores:
Chas. H. Tully, 130 125 111
A. Faulkner, 105 91 101 96
John Young, 105 91 101 96
J. A. Mandat, 123 118 157 125 213
N. Schreiner, 157 136 181 193 199
J. S. Fenrich, 150 103 166 138 231
W. E. Marshall, 116 159 180 157 106

St. Louis.
News Notes.
At the rose show held in Chicago last week those who attended from here were Otto G. Koenig and Fred H. Meinhardt. Fred Ammann of Edwardsville, Ill., was also there; he exhibited some of his well-grown roses in Class B, and from reports of the show succeeded in capturing a number of prizes in this class. The trade here were much gratified over this, as Mr. Ammann's stock is all consigned to this market and handled by Knehn.
It has been reported that the Eggeling Floral Company, Jules Burdett and A. P. Riessen must vacate their places within the next year, as the Shaw Estate on which they are located will be graded and laid out in lots. This tract of land is from Grand and Lafayette avenues west to Vandeventer avenue.
Nat. Kingsley, who was reported missing in last issue, has turned up safe and sound, and reports that he was visiting friends in the southern part of Missouri. His partner, Mr. Sager, is much relieved at the return of Mr. Kingsley.
Fred Foster of the Foster Floral Company was not as badly hurt as first reported, and is out again, but with the aid of crutches.
Ostertag Brothers had quite a busy week in decorative work for Spring openings; C. Young and Sons Company and Charles Beyer were also busy with this kind of work.
For the hardware men's convention held here last week, Miss Badarnacco furnished several thousand carnations which were distributed among the visiting delegates during the week.
The Grand avenue florists—Waldbart Ayers, Bergestermann and Eggeling—are displaying extra fine blooming plants in their show houses. C. Young and Sons Company are the only florists downtown displaying blooming plants. In North St. Louis, Bentzen Floral Company and Adolph Brix have an attraction in fine blooming plants.
Union market florists report a good business week in the plant line.
Herman Riessen died here the past week. Though not connected with the florist business, he was a brother of Mrs. Buechel, head of the Riessen Floral Company. Mrs. Buechel has the sympathy of the trade here.
E. W. Guy, Belleville, Ill., was a visitor the past week; he reports the outlook for a large Spring plant trade good.
The members of the Florists' Club should not forget the April meeting which takes place next Thursday afternoon at 2 o'clock in the new meeting hall, Eleventh and Loonst streets.
The St. Louis Horticultural Society has adopted practical means for the development of "The City Beautiful" by the offering of prizes for the best kept gardens, window boxes and home surroundings. In order to create a keen interest in the competition, bulletins on the care of plants and flowers will be given to all who send in their request to Otto G. Koenig, 6171 Florissant avenue. The Spring flower show was pronounced such a success by the officers of the society that a more comprehensive exhibition soon will be arranged.
St. PATRICK.

EASTER LILIES

SUPERB LILY OF THE VALLEY
AMERICAN BEAUTIES
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KILLARNEYS
BRIDESMAIDS
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Fancy or dagger, \$1.25 per 100.
Extra fine BOXWOOD, \$3.00 per case.
Brilliant Bronze or Green Galax, \$1.00 per 1000 or \$7.50 per case of 10,000. Special lots of Bronze Galax for 10 days only. \$5.00 per case of 10,000. Wild SMILAX 50 lb. cases, \$6.00. Fresh made LAUREL FESTOONING, 4c., 5c., and 6c. per yard.
Send us your orders and be pleased.
LEUCOTHOE SPRAYS, bronze or green, 40c. per 100. Ground Pine, 7c. per lb. or 5c. per yard.

GROWL FERN CO., MILLINGTON, MASS.

HARDY CUT FERNS

FANCY and DAGGER. Extra fine, \$1.75 per 1000. BRONZE and GREEN GALAX, \$1.25 per 1000, \$7.50 per 10,000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. BOXWOOD, per bunch, 35c.; 50 lbs., \$7.50. FANCY and DAGGER FERN our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

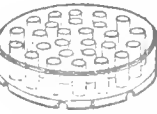
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A handy article for florists. Sells to the trade on sight. Made of glass in three sizes.
The "Anglala" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalogue.

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Fancy or Dagger, \$1.00 per 1000. Good quality. Twenty years' experience.

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LARGE Plants, Bay and Box trees, Palms, Hydrangeas, Agaves, etc., will soon need repotting.



Use the **Mission Plant Box**
if you want the most durable and appropriate box made. Very reasonable in price.
Made of PINE OR CYPRESS

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WAGNER PARK CONSERVATORIES
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DREER'S Florist Specialties,
KEYSTONE CEDAR PLANT TUBS.

A	11	11	105	7 1/2	\$5.00
B	11 1/2	11	75	8 1/2	65.00
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Three largest sizes have handles.
Special PAUL TUBS.
8 inches 30 3 50 28.00
11 " 30 3 50 28.00
Painted Green

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MANUFACTURERS
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WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

LAUREL BRANCHES

Long stems, 2x2x4 feet, case, \$2.50; short stems, for roping, large sack, \$1.00.
Green Sheet Moss, large thin pieces, bbl., \$1.25; Green and Dried Sphagnum Moss, bbl., \$1.00. Can ship all year.

W. Z. PURNELL, Snow Hill, Md.

Pittsburg.

The Week's News.
Visitors the past week were W. P. Craig and a representative of H. Bayersdorfer & Company of Philadelphia; R. E. Hall of Reed & Keller, New York, and Edwards & Docker's representative, Philadelphia.
The next meeting of the Florists' Club will be held Tuesday, April 7, in our meeting room, and the subject for discussion will be "Easter Stock," with an exhibition of suitable material, also a competitive display of plants. This will undoubtedly prove an interesting subject and will be of help to many who handle stock for Easter.
John Bader has a fine and large stock for Easter—azaleas by the thousands and all other sorts of blooming plants and ferns. His trade the past week has been very satisfactory, shipping business especially.
Blind Brothers are making good progress with their new store room and conservatory on Center avenue, East End, and will be ready for business before Easter.
E. C. REINEMAN.

Detroit.

Trade Notes.
The only redeeming feature to trade last week were the decorations in dry goods and clothing stores; but these jobs are given out to the lowest bidder and therefore pay only very little above the actual cost of doing the work. The carnation glut seems to have passed, thanks to cool, cloudy weather and the crops of the principal growers being exhausted.
For many months local florists have awaited the decision of Judge Murphy in the case of Knauss vs. Leadley. The latter had sold his business to Mr. Knauss a few weeks before Christmas, 1906, presumably on account of his health; but only two weeks after that transaction he opened a store again two blocks from the old location. By the decision of Judge Murphy it is ordered that Leadley turn the flats back to Knauss and that Knauss give the floral business back to Leadley.
FRANK DANZER.

Southern Wild Smilax

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Write, Wire or Telephone the Introdurers
Caldwell The Woodsman Decorating Co
EVERGREEN, ALABAMA

SOUTHERN WILD SMILAX

BEAVEN'S FADELESS MOSS
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Ever Ready Covers

Made of Waterproof Crepe Paper on a Card-board frame, tied neatly with wood fiber ribbon. Send 30 cents in stamps and we will send you covers that will fit a 6-inch standard pot, a 7-inch azalea pot and an 8-inch pan, with our illustrated booklet and price list. W. H. Grever, Mgr., Ever Ready Flower Pot Cover Co., 146 Hughes Ave., Buffalo, N. Y.



PREPARED PALMS AND PALM LEAVES

In all varieties (Also Moss, Fibre, Needle Pine, Pine Cones, Uva Grasses, etc)
Buy from HEADQUARTERS
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Fernandina, Fla.



WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$2.50
MANUFACTURED BY
W. J. COWEE, BERLIN, N. Y.
Samples free For sale by dealers.

Newport, R. I.

A Presentation.
The regular meeting of the Newport Horticultural Society, on March 21, was an important one in that our recording secretary, David McIntosh, who is about to leave Newport to take charge of his employer's estate at Tuxedo Park, N. Y., tendered his resignation, which was accepted, with a rising vote of thanks for his faithfulness in office for over six years. He was presented by the members a beautiful gold watch for himself, and silver ware for Mrs. McIntosh, both gifts being suitably inscribed. Treasurer Colonel A. K. McMahon in making the presentation said, "Since the beginning of the society in 1890, no member has done better work or given more of his time to the society, and for six years as secretary he has done an invaluable work in a trying position. He was the first member to suggest a fund for a building for the society, and through his efforts considerable headway has been made in this direction. This occasion is in many respects a sad one, meaning as it does the going away of one of the society's best workers, but there is one consolation that he is going where he can do better work." Mr. McIntosh was taken by surprise, but in a few words expressed his appreciation of the gifts, that for his better-half being especially appreciated.

At the short business session previous to the presentation, President John T. Allan occupied the chair. Daniel J. Coughlin was elected to succeed Mr. McIntosh as recording secretary, and Andrew S. Meikle was elected in place of Mr. Coughlin as financial secretary. Colin Robertson was elected a member of the executive committee; and the president announced that he had appointed Alexander MacLellan on the board in the place of Alderman B. M. Anthony resigned.

The executive committee presented a premium list for the Fall show which was laid over until next meeting so that the time could be given up to a social session which the committee had arranged, and which was enjoyed to the full by all present.

Notes.

F. L. Ziegler has opened his Bellevue avenue store, and it is one of the most up-to-date on the avenue.

William Anderson has resigned as gardener to Mrs. T. J. Emery, and is succeeded by William Donald.

It was a notable fact that two members of the Newport Horticultural Society—Messrs. James Boyd and George Mackay—should be delegated by the St. Andrews Society to present to David McIntosh on Tuesday evening a gold watch chain and appendage, Mr. McIntosh being an active member of that body.

A. McL.

Indianapolis.

News Items.

The hailstorm sufferers are well on the road to recovery. The present conditions are a tribute to their pluck and energy. August Rieman was one of those not mentioned as a heavy loser; not a hundred panes of glass were left him by the storm. Baur & Smith were among those who sent relief to the southsiders; a half-dozen of their employees rendered valuable service.

The State Florists' Association will hold its monthly meeting April 7.

Three cheers for the Eastern growers at the Rose Show! It will cause our Western leaders to put forth greater efforts, even though their laurels have been many.

Tomlinson Hall market shared in the large buying of the retailers this week. Retail business was satisfactory.

Visitors: Bert Eschner, W. J. Stewart, and J. C. Karius.

I. B.

FORT WAYNE, IND.—For a number of years W. J. & M. S. Vesey, florists, have had their flowers on sale at Lydia E. Auger's, but with the first of March this year have made a change and will not have any agent in the city, but will hereafter sell their flowers themselves direct from their extensive greenhouses on Thompson avenue.

GLASS

We are glad to quote on whatever you need from 5 boxes to 5,000 boxes; East or West. Don't fail to get our advice and prices.

We are headquarters for

GREENHOUSE GLASS

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N. B.—Some snaps in double hotbed sizes.



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THE LARGEST MANUFACTURERS OF

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PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
12 West Broadway
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Providence, R. I.

News Items.

James B. Canning has returned from his trip among the florists of New York and Philadelphia. Mr. Canning said he never saw such a great display of flowers as he did in the Philadelphia and New York markets.

William Patry with John F. Wood has returned to his position, after a very successful operation, performed on him for appendicitis.

The many friends of John A. Macrae are very happy to hear that Mrs. Macrae is on the road to speedy recovery from a very serious operation.

George Hunt, a milk dealer, has entered the florist business here. He has built two nice up-to-date greenhouses, each 100x30 feet, on Burnside street, to be devoted mostly to carnations and bedding stock.

G. A. J.

A Boiler Explosion.

A mysterious boiler explosion, which took place Monday, March 23, 1908, at the greenhouses of the South Bend Floral Company, 801 East Duball avenue, South Bend, Ind., wrecked one section of the greenhouse, entailing a loss of fully \$1,500, and injured O. A. Wood, of 724 Blaine avenue, who was working on the steam pipes. No cause for the accident has been ascertained. A new boiler has been ordered and the work of repairing the damaged section is in progress. If freezing weather does not set in, no serious results to the plants are anticipated.

The front of the damaged section was blown across the street and the supporting walls collapsed. The boiler was thrown a distance of 15 feet and fell into the pit. The interior was badly twisted, but the shell of the exterior did not break. Mr. Wood received painful burns about the hands, arms, face and head, but his injuries are not serious. The fire was banked and but 20 pounds of steam pressure were shown on the gauge when it was last looked at.

The Best

BUG KILLER AND BLOOM SAVER

For PROOF Write to

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Owensboro, Ky.

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,
104 BOYLSTON ST., BOSTON, MASS.

Cattle Manure

In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,
34 Union Stock Yards, Chicago

Buffalo, N. Y.

Trade and News Notes.

Business is in its usual Lenten lethargy with a great many flowers coming in, and not enough sales to move them fast enough to cause any decrease in the glut. Visitors coming to town see windows displaying signs reading: "Roses, three cents; violets, twenty-five cents per bunch of fifty; jonquills, two dozens for fifteen cents; carnations, twenty-five cents per dozen." In this way stock has been moving fairly well. Surely somebody is losing, as the flowers certainly cannot be grown to be sold at these prices.

Mr. and Mrs. W. J. Palmer are visiting New York and Philadelphia. Mr. Palmer is getting in touch with Easter stock for his immense trade.

The weekly bowling party is pretty well attended. The florists have four of the best bowling alleys in town at their disposal. We ought to have some professional players at convention time.

W. H. G.

ESTAB. 1765

A. H. HEWES & CO.

NO. CAMBRIDGE
MASS.
L. I. CITY
N. Y.
CATALOGUE
FREE.

Tender Plants

are assured of a healthful growth when started in

SYRACUSE RED POTS

Porous,
Thin,
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Syracuse Pottery Co.,
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Standard Flower Pots

Packed in small crates easy to handle.

Price per crate, 1500 2 1/2 in. pots in crate, \$4.00	Price per crate, 1500 7 in. pots in crate, \$4.20
1500 3 1/2 " " " " " " " "	1000 8 " " " " " " " "
1500 4 " " " " " " " "	1000 9 " " " " " " " "
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1000 14 " " " " " " " "	1000 19 " " " " " " " "
1000 15 " " " " " " " "	1000 20 " " " " " " " "

Seed pans, same price as pots. Send for price list of cylinders for cut flowers, hanging baskets, lawn vases, etc. Ten per cent. off on cash with order.

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The ample fire box with high crown sheet provides complete intermingling of air with gas, and combustion of the mixture at high temperature, while three long, vertical fire-travels (twice length of boiler) compels absorption of every heat unit by water before it passes up flue. The smoke-pipe of a **New Dunning is never hot.**

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Heating.

Growers' Problems Solved by U. G. Scollay.

I have a greenhouse, 16x36 feet which I heat by steam. The boiler is located at one end of the house, so low that the top of it is 2 feet below the greenhouse floor. The gas bill is too high for the size of the greenhouse. How would it work if I put an elbow at the top of the boiler and run my stack through the greenhouse under the middle bench, and out at the other end, so that I can make use of all the heat which is escaping now? In very odd weather I could use the steam besides. If it works, would it be better to install pipe or fire brick through the greenhouse? W. H. P., Pa.

The smoke outlet from your boiler could be carried through the greenhouse as you suggest. Either brick or tile I would prefer to iron, for it would be safer. The iron stack under the bench would probably become too hot, and be a source of danger. I do not recommend, however, smoke connections of this kind. You say that you heat by steam. It is a very extravagant method to heat a greenhouse, size 16x36 feet, by steam. If you will change your system to hot water, I know that you will save much fuel. I am not claiming that steam is inferior to hot water, but I do claim that for such a small house hot water should always be used, unless taken from a larger boiler which is used for other purposes, where steam is constantly kept up. The boilers you have could doubtless be used for hot water, and if you place twelve lines of 2-inch pipe in this house, I feel that you will see immediate benefit. U. G. SCOLLAY.

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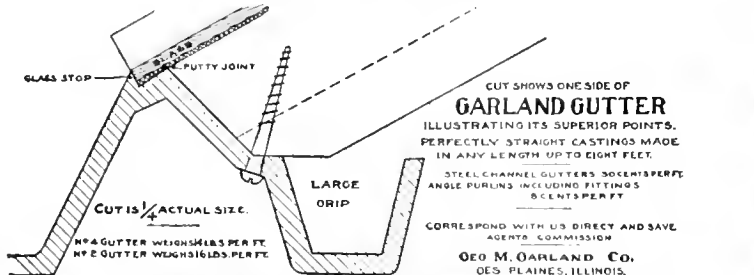
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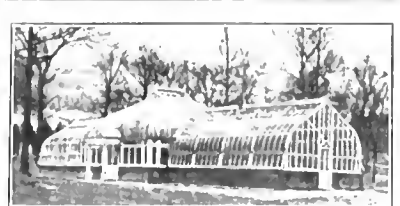
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Yours truly, W. M. RIGGS, Director.
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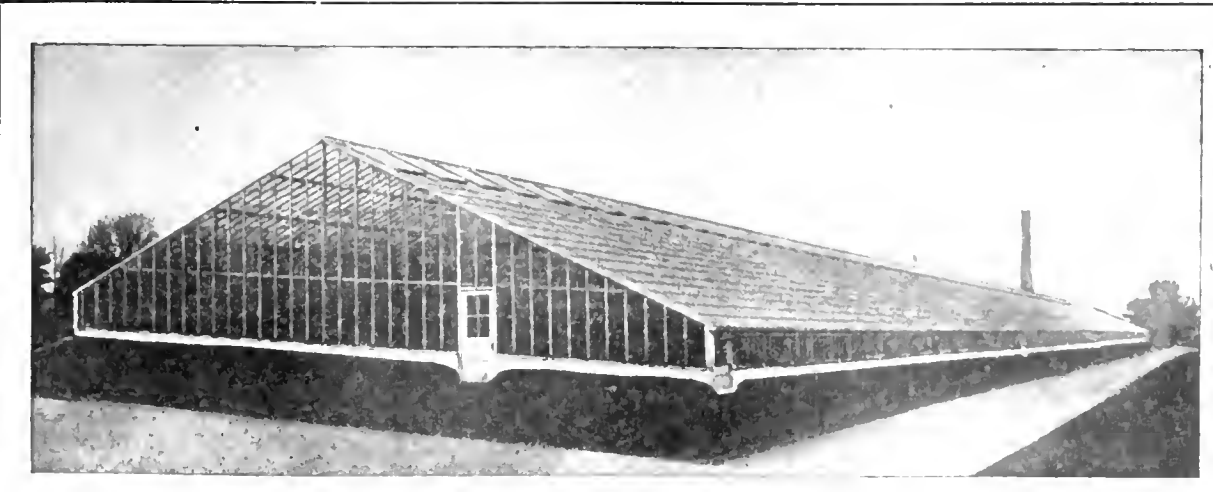
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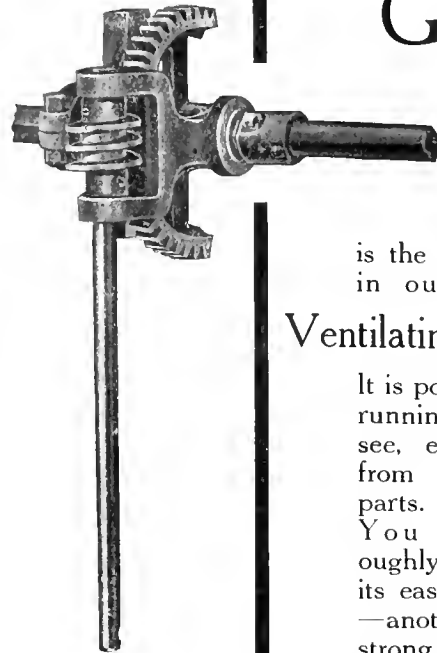


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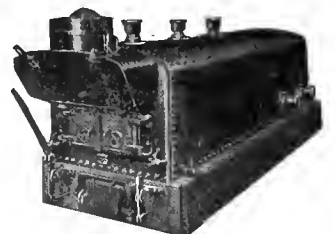
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VOL. XXV. NO. 15

NEW YORK AND CHICAGO, APRIL 11, 1908

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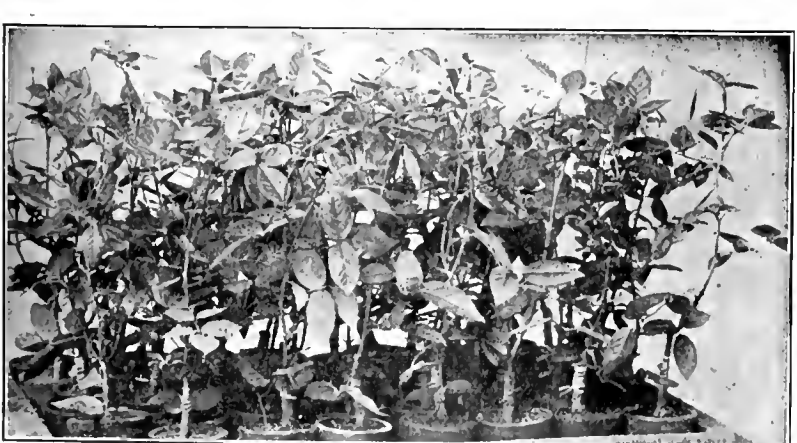
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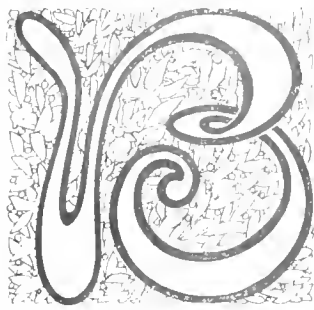
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ASPARAGUS PLUMOSUS NANUS, true greenhouse grown seed.	100 sds. 50c.; 250 sds. \$1.20; 1000 sds. \$4.00; 5000 sds. \$18.00; 10,000 sds. \$35.00.	
ASPARAGUS SPRENGERI, 250 sds. 25c.; 1000 sds. 75c.; 5000 sds. \$3.00.		
DRACAENA INDIVISA (seeds), oz. 30c.; 1/2 lb. \$1.00.		

Catalogues free.

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PANSIES

THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants in bud and bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500.

PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

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Grower of the Finest Pansies

W. & D.'S SPECIALTIES FOR 1908

Tomato, "The Don," best for forcing. Cauliflower, First and Best. Onion, Alba Craig. Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spaw, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready. Free on application.

WEEBER & DON, SEED MERCHANTS AND GROWERS
114 Chambers St., NEW YORK

The Book of WATER GARDENING


By Peter Bissel. Price, postpaid, \$2.50
A. T. DE LA MARE PTG. & PUB. CO., LTD.
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COLD STORAGE

VALLEY PIPS.
 BEGONIAS, GLOXINIAS
 MEXICAN VINE ROOTS
 DAHLIAS 50 Prize Varieties
 CYCAS STEMS
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Our wholesale Bulb List will be mailed on request

JOHNSON SEED CO.,
 217 Market Street, Philadelphia, Pa.

 Read Our Ad.
 March 28th
H. H. Berger & Co.
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Gladiolus "America"

FOR FORCING

Strong bulba, \$60.00 per 1000.
 Florists' white and light, mixed, \$12.00 per 1000.
 Iris Kaempferi, named, \$50.00 per 1000.
 Iris Kaempferi, mixed, \$30.00 per 1000.
 Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.
 Phoenix Roebeleni seedlings, \$4.00 per 100.
 Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.

GLADIOLUS BULBS

100,000 from 1 1/2 inches up to \$4.00 per 1000.
 100,000 3 to 1 1/2 inches at \$2.00 per 1000. Cash with order. Description given on request.
 Nice block of CALIFORNIA PRIVET, \$10.00 per 1000 and up as to quality, write for particulars.
 Nice lot of AMERICAN CHESTNUT TREES at a bargain. 35 large SUGAR TREES, most of them sample trees.
I. & J. L. LEONARD, Iona, N. J.

ONION SETS

There will be a heavy demand for sets during the next 30 days. Send us your orders at once and we will make prompt shipment and close price.
LEONARD SEED CO., Chicago, Ill.

 **FLORISTS** have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. in postage stamps. Address American Spawm Company, St. Paul, Minn.

IRIS PALLIDA DALMATICA

A beautiful shade of lavender; the largest and most beautiful of all the German Iris, perfectly hardy, and free-flowering; one of the good things almost lost to horticulture. \$12.00 per 100, \$100.00 per 1000. Cash with order.

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 McHenry Ave., Westwood, Cincinnati, O.

Established 1800
POAT BROS.
 (Formerly of Ufficks, Va.)
BULB GROWERS
HIGHLAND PARK
RICHMOND, VA.
 NARCISSUS, TULIPS, IRIS
 PAEONIES, CROCUS
SEND FOR CATALOGUE
CUT FLOWERS
FROM MARCH TO MAY

LOOK! SEE!

See our two-page advertisement in issue of March 28th on pages 408 and 409

ROSES	Per 100	Per 1000
Crimson Rambler, 2 1/2 ft.	55.00	550.00
" " 3 1/2 ft.	10.00	100.00
Persian Yellow, No. 1	12.00	120.00
Soleil d'Or, No. 1	12.00	120.00
Viburnum Plicatum		
2 1/2 feet	12.00	120.00
3 1/2 feet	15.00	150.00

	Per 100	Per 1000
AZALEA Amoena, 12 1/2 in. x 1 1/2 in.	25.00	250.00
DIORIS Thunbergii, 2 1/2 bushy	9.00	90.00
" " 2 1/2 ft.	12.00	120.00
POPLARS, Carolina, 10 1/2 ft.	15.00	150.00
" " 12 1/2 ft.	15.00	150.00
POPLARS, Lombardy, 10 1/2 ft.	40.00	400.00
" " 12 1/2 ft.	65.00	650.00
CLEMATIS Paniculata, 2 yr. No. 1	8.00	80.00
BOXWOOD, 12-15 in.	25.00	250.00

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Vick Quality Asters

INTRODUCED BY US GROWN EVERYWHERE

Vick's Branching (8 colors)
 Vick's Snowdrift
 Vick's Royal Purple
 Vick's Lavender Gem
 Vick's Daybreak
 Vick's Purity
 Vick's Sunset
 Vick's Mikado
 Vick's Cardinal
 Vick's Violet King

HOW TO GROW ASTERS, Revised
 Full of information for Aster Growers.
 Price 10c.
 Free with an order of Aster Seed.

FLORISTS' NOVELTY COLLECTION
 Six of our latest introductions including Sunrise (New) and Early White Branching (New).
 Price
 Vick's Early White Branching \$0.25
 Vick's Imperial Aster Sunrise .25
 Vick's Violet King .20
 Vick's Cardinal .25
 Vick's Lavender Gem .25
 Vick's Rosy Carmine .25
 How to Grow Asters .10
 \$1.55

All of the above, including our "Aster Book for Florists" for 90c.

SEND FOR OUR NEW Illustrated and Descriptive Aster Book for Florists

It describes in detail, not only the varieties originating with us but also all other leading sorts.
 The largest and handsomest work of its kind ever issued.

EVERY FLORIST OUGHT TO HAVE
Vick's Wholesale Catalogue
 which gives prices on all the best varieties of flower and vegetable seed; plants for greenhouse and outdoors; splendid assortment of bulbs.

Both of these catalogues are free.

JAMES VICK'S SONS

ROCHESTER, N. Y.
 The Leading Specialists and Largest Growers of High-Grade Asters in the World.

Seed Trade Report


AMERICAN SEED TRADE ASSOCIATION.
 George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Belgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

BINGHAMTON, N. Y.—E. W. Conklin & Son have reincorporated their business with an increased capitalization of \$300,000 to do a wholesale seed business. There will be no change in the business of the company; the new incorporation is made for the purpose of handling the increase of business. The stock is held as follows: Horace E. Conklin, \$200,000; M. N. Rogers, \$3,000; P. J. Quilter, \$3,000; C. P. Woodward, \$2,000; J. C. Hillis, \$2,000. The stockholders are the directors of the company. The life of the corporation is to be 100 years.

SANTA ROSA, CAL.—Luther Burbank, who has lived in Santa Rosa for many years without ever taking part in local political affairs, has come out in a signed statement indorsing the Municipal League movement and agreed to preside at its mass meeting Monday evening last. His action has created quite a stir in the ranks of the politicians. He says: "I believe that the time has come when our city officers should be divorced from politics and when citizenship should be placed above partisanship. Having read the platform and the statement of principles of the Municipal League, I wish to express my appreciation of the movement and my hearty indorsement of its candidates."

SEED TESTS BY THE GOVERNMENT.—The number of samples of seed received for testing has increased rapidly during the year. In many cases more than five samples a month have come from the same source. Up to the present time the number of tests made for one firm or individual in any one month for either mechanical purity or germination has been limited to five. In order to meet the growing demand for this work, arrangements have been made to increase the number of tests for germination not to exceed ten in any one month. The number tested for mechanical purity will remain the same as formerly, not to exceed five a month. **EDGAR BROWN,** Botanist in Charge of Seed Laboratory, Washington, D. C.

THE DEPARTMENT OF AGRICULTURE MAKES A RETRACTION.—In Circular No. 26, issued by the Secretary of Agriculture, among the list of firms published as having supplied adulterated or misbranded seed appeared the name of N. J. Burt & Company, 108 Main street, Burlington, Ia., it having been accused of furnishing the Department with seeds purporting to be meadow fescue, but which, according to the circular, were found to be adulterated. Messrs. Burt strongly denied that any such seed had been purchased of them by the Department or its agents, as the firm does not carry meadow fescue seed in stock. The Department, on investigation, finds that an error has been made in the seed laboratory, and has now re-issued the circular, with the name of Burt & Company stricken therefrom, and the following notice: "The name of N. J. Burt & Company, 108 Main street, Burlington, Ia., was published through error, as the seed referred to was properly labeled by them, and was not offered for sale as meadow fescue." It is needless to say that a great injustice has been done the firm in question, which the present retraction by the Department will fully offset.

 **A HALF MILLION CALLA BULBS FOR SALE**

CALLA ETHIOPICA BULBS, 7 to 8 inch circumference. \$65.00 per 1000
 " " " 5 to 7 " " " 40.00
 " " " 3 to 5 " " " 25.00

250 at 1000 Rates, Freight Prepaid when Cash is sent with Order. Orders booked now for July shipments.

A. MITTING, 17 to 23 Kennan St., Santa Cruz, Cal.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

XXX STOCK

Strong, 2 in. Ready for 3-inch pots.
AGERATUM, Gurney. Best dwarf blue; \$2.00 per 100.
LOBELIA Crystal Palace. Extra fine dwarf; \$2.00 per 100.
HELIOTROPE, dark, \$2.00 per 100; strong 3-inch, in bud, \$4.00 per 100.
PETUNIAS, New Giant Fancy Single; 50c. per doz.
PETUNIAS, New Star, very fine, \$2.00 per 100.
PIRON, finest dwarf, mixed, \$2.00 per 100.
VERBENAS, California Giants, mixed, strong and bushy, fine, \$2.00 per 100.

XXX SEEDS

CHINESE PRIMROSE, finest grown, varieties mixed; 500 seeds, \$1; half pkt., 50c.
CINERARIA, finest large-flowering dwarf, mixed, 1000 seeds, 50c.
GIANT PANSY, Best large-flowering, mixed, critically selected, 5000 seeds, \$1.00; half pkt., 50c.
 Cash. Liberal extra count of seeds in all packets.

JOHN F. RUPP, Shiremanstown, Pa.
 THE HOME OF PRIMROSES

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.
 Address all communications to our permanent address, 48 to 56 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
 Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Gilroy

FISKE SEED CO.

Make a specialty of
ASTER SEED
 All the leading varieties
 Also **FLORISTS' SEEDS** for immediate planting
H. E. FISKE SEED CO.
 12 & 13 Faneuil Hall Square BOSTON, MASS.

—Established 1824—
Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
 Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
 37 EAST 19th ST., Near Broadway,
 Tel. 4235 Gramercy NEW YORK CITY

Seed Trade Notes.

We have reached "high-water-mark" in the seed sales for the season of 1908 and, surely, the enormous business being done by every member of the trade, without regard to location or particular line, certainly gives ample cause for the very satisfactory feeling that is so manifest among our seedsmen. When the final clear-up does come, I believe it will be found that the total volume of business done in the month between March 15 and the middle of April will compare most favorably with the average of recent years. Yes, we are certainly having an old-time busy seed-selling season; night-work, and even Sunday work, would seem to make as yet no perceptible impression upon the reduction of the orders on hand and coming in increasing volume by every mail.

I have, during the past few days, taken especial pains to find out how well our seedsmen are keeping up with the filling of their orders; and, with one or two exceptions, all would seem to be very much behind in this regard. Some seedsmen say that they are a week, but the larger proportion write me that they are even more behind than even this. There is no better barometer of general seed trade conditions than this test; it tells the whole story. The seed trade in every branch is certainly enjoying a substantial boom this season.

There has been very little time lately to think about anything but filling orders, but the "Proposed Pure Seed Act" of Representative Mann of Illinois, was such a "hot shot in the locker" that our trade has been quite interested to learn how such proposed legislation would be considered by the general seed-planting public. As a whole our seedsmen do not take the proposed measure seriously, as it is so perfectly absurd upon its face. No thinking and proper minded seed planter expects or demands the impossible, and when you arbitrarily say that unless all seeds are ninety-eight (98) per centum pure, that the party selling goods falling below this requirement shall be fined heavily, or imprisoned, or both; you make such an antagonistic plan as opposed to the real facts of Nature, that any such proposed legislation is foredoomed to sure defeat. No, our seedsmen do not take this matter seriously; most opinion looks upon it as simply a political move made to secure the farmer vote for the candidate of the powers "that be." I will not use any more of your valuable space for this subject—only let me say that ninety-eight (98) per centum pure seeds are not as yet a possible reality.

There are now a great number of exhausted stocks on the list; and naturally they would be the most called for varieties of seeds. As I pointed out some weeks ago, this condition of affairs is very much increasing the sales of the more or less neglected sorts. The final result will be a very even clean-out of all seed stocks.

Onion sets are going to end the season in very short supply, and at high prices. Red sets have been practically out of the market for some two weeks; white sets are still obtainable, but in limited quantities and at about \$4 per bushel, a price that reduces the sales to practically retail quantities. As regards yellow sets, these are sold out with many seedsmen, and as it is now so well advanced in the season and the price of over \$2 a bushel considerably, seems so high, there will not be much more replenishing of stocks in this line. It has been years, if ever, since all sorts of onion sets have had a larger or more profitable sale with the entire trade.

One of the very short seed stocks this season has been practically all varieties of Lima beans; and many seedsmen have even now sold so low on them that they have not enough left to carry them over the small counter-cash seed sales of the rest of this month and May. There are still several lots of Lima beans, in various varieties, obtainable from first hands, but the result of last year's poor growing season is so apparent in them that no one would seem to care to risk their sales. Lima beans, at their very best, grow poorly enough.

Sweet corn, in almost all the favorite varieties, is yet to be obtained from the larger seed houses; but only in very limited quantities and by regular customers. Several's Evergreen and Country Gentleman, still hold very firm at \$3.50 to \$7 per bushel, while the early sorts at \$1 to \$2 a bushel are yet to be had. But as the push of sweet corn retail or-

ders has not yet hardly begun to be placed, I expect a sharp advance all through the sweet corn list any day now.

One word and I am done for this week. Seed and bulb novelties are selling hard this season. Outside of "Burpee's Spencer Sweet Peas," "Toddington's Lady Lenox Cosmos," and one or two others, sales have been very light as compared with the great run for standard seeds. But this is an after-panic year, a year for the sales of solid business seeds. In bulbs or plants I do not call to mind anything that is enjoying much of a run. Some few of the vegetable seed novelties are doing fairly well, but nothing alarming; Livingston's New Coreless Tomato is perhaps the most prominent.

Good weather from now on makes sure a great season. V.

IMPORTS OF SEEDS, ETC.—March 31.—Dr. N. L. Britton, one box plants; April 1.—D. Schmidt, one case plants; Wadley & Smythe, four cases plants; P. H. Peary Company, four packages trees and plants; Maltus & Ware, 10 cases plants; Davies, Turner & Company, four packages bulbs, etc. April 2.—Funch, Edge & Company, one crate trees; Ammermann & Patterson, 14 cases plants; C. C. Abel & Company, 36 cases bulbs; L. D. Crossmond & Company, two cases plants; H. Frank Barrow, 154 cases plants; Wm. Elliott & Sons, 20 cases plants; McLutheison & Company, 34 cases plants, three packages plants; Maltus & Ware, 39 bushels seed, 110 cases plants, 45 cases trees, six tubs trees; H. Nungesser & Company, 30 bags grass seed; P. Onwerkerk, 95 cases trees; Julius Roehrs & Company, 11 cases trees; C. B. Richard & Company, 55 cases trees; Julius Roehrs Company, 25 cases trees and shrubs; C. B. Richard & Company, 178 cases plants, etc.; Vaughan's Seed Store, 24 cases plants; Wadley & Smythe, 25 cases plants; Cockley Milling Company, 155 sacks clover seed; Maltus & Ware, three cases plants. April 3.—Davies, Turner & Company, two packages plants.

European Notes.

There is no fear of a water famine for some time to come, for the clerk of the weather has been away on a vacation this week and left the rain tap turned on with the result that we are simply deluged. At the same time the atmosphere is warm, so that our seedlings that are not drowned may pull up a little of the lost time.

The heavy rains have seriously retarded the planting of our beets, some of which are still in the siles. We are, however, able to see already that this will be a short crop again this year. Many of the plants are small and poorly developed and under most favorable conditions can only produce a very light crop, while any unfavorable change will cause them to perish. The foregoing remarks apply to all varieties of table beets; there will be no surplus.

The mangel plants are doing better at present. One of the London firms is claiming that a variety of mangel which it offers keeps good for fully 13 months after lifting and the roots exhibited at the Smithfield show in December last fully substantiate the claim. The variety greatly resembles, if it be not identical with, a variety introduced by another London house a few years back for which it was justly claimed that it was the heaviest cropping mangel in commerce, so that here we have quality and quantity combined.

H. Nungesser of New York was on the clover market in London recently, and the result of his operations has been to harden values for red, and encourage holders to believe that their patience would be profitably rewarded.

EUROPEAN SEEDS.

TREE AND GRASS SEEDS IN GERMANY.—I take pleasure in reporting as follows: Pinus sylvestris (Scotch fir) failed almost entirely in this country; limited quantities of German seed are in the hands of some of the larger seed extracting establishments, which paid particular attention last year to this product of German cones owing to the fact that it is getting more and more popular with the majority of German foresters. It is obvious, however, that the small yield is not sufficient to cover requirements. It will no doubt be necessary to secure a quantity of seed from other producing districts in order to fill the principal demands. According to first German authorities the nearest product which can be recommended to replace German Scotch fir is the Belgian

seed, the crop of which is also limited. In the face of the fact that this year's crop is very short, this species will have to be quoted at abnormally high prices.

Picea excelsa (common spruce) also Larix europaea (larch) yielded no crop this year. The quantities available are proportionately small, but of magnificent growth.

Limited quantities of Abies pectinata (common silver fir) could be harvested this year only in the Black Forest; the rise in the wages of pickers is the cause of the higher prices as compared with normal years. The quality is satisfactory, and early orders for seed required for cultivation in Spring can still be filled.

Pinus strobus (Weymouth pine) produced fewer cones than last year, and good home-grown seed of reliable growth is sought.

All evergreen tree seeds are quoted throughout at higher prices; it must be deemed advisable not to delay buying on account of the small stocks, and it cannot be recommended to put back planting, especially not with fir, as an equally short crop is generally expected next year.

Pinus cembra (Swiss stone pine) again failed this year in Tyrol, and very little could be imported at high figures.

Pinus austriaca (Austrian pine) as well as Pinus maritima (maritime pine) suffice for the small requirements; whereas Pinus montana (mountain pine) and Pinus laricina (Corsican pine) are not on the market this season.

The crop of the various deciduous tree seeds leaves also much to be desired except Quercus pedunculata (common oak) which yielded a short crop on the Belgian-Dutch frontier; the quality is satisfactory.

The parcels which have been taken into the winter stores are not coming very much into question on account of the brisk Fall trade we had; therefore it can only be recommended to cover requirements as soon as possible, if necessary for future delivery.

Acorns of Quercus robur (sessiliflora) (cluster oak) are only on the market this year intermixed with common oak, whereas the genuine acorn, which grows principally in the Spessart Forest, yielded so little that the picking had to be stopped, as it did not pay, the mixed product will therefore have to replace it.

Of Quercus rubra (American red oak), which in previous years could be supplied at reasonable prices, there was such a scanty supply last Fall that prices had to open high.

Pagus sylvatica crop was a total failure this time.

Acer platanoides (Norway maple) and Acer pseudoplatanus (sycamore) failed almost entirely. Of Alnus glutinosa (red alder) very little could be secured. A better yield can be reported of Alnus incana (white smooth alder). Very scanty supplies are on the market of Betula alba (birch). Crataegus oxyacantha (common hawthorn) will suffice to cover requirements, also Fraxinus excelsior (ash); Carpinus betulus (hornbeam) is not on the market, whereas Robinia pseudacacia (acacia, black locust) sufficient to be available.

Both lime tree species, Tilia grandifolia (large leaved lime) and Tilia parvifolia (small leaved lime), came somewhat late and in small lots. Spartium scoparium (broom) is short, and the demand is brisk; nothing could be secured of Ulex europaeus (furze) and Ulmus campestris (elm).

Among American tree seeds those species which have been recommended for cultivation by authorities on forestry deserve particular attention. The popular species Pseudotsuga Douglasii (Douglas fir) is said to have yielded very little, whereas sufficient quantities of Picea sitchensis (Tid-land spruce), Pinus Banksiana (Sir Joseph Bank's pine) and Pinus rigida (pitch pine) may reach the market. The variety of abies such as Abies amabilis (canabilis fir), Abies grandis (California white fir or tall silver fir) and Abies magnifica (magnificent silver fir) leave little to be hoped for after all the reports which have come to hand.

Larix leptolepis (Japanese larch) will no doubt miss this campaign; Japan up to the moment has sent neither reports nor offers.

It can be reported about grass seeds that Agrostis capillaris (creeping bent grass) has yielded an average crop in America, and the quality is good; but the German species, Agrostis stolonifera (horin, or marsh bent grass) yielded only a small quantity, and this is also the case with Aira caespitosa (tufted hair grass) and Aira flexuosa (yellowish oat grass of the trade).

Although Alopecurus pratensis (meadow foxtail) produced a better yield than last year in regard to quantity, high prices had nevertheless to be paid for the better parcels. Anthoxanthum odoratum (sweet scented vernal, true) is again on the market in good quantity at normal prices, but the quantity is limited; on the other hand, Anthoxanthum pulchrum (sweet scented vernal pulchrum) is scarce.

The quality of Avena elatior (tall oat grass) and Cynosurus cristatus (cristed dogstail) is good, and the seeds can be

supplied advantageously. Avena flavescens (yellowish oat grass, true) also Dactylis glomerata (cockfoot), markets of these are high in consequence of a distinctly small yield and because stocks are now limited.

The various kinds of festuca, in the first place Festuca duriuscula (hard fescue) and Festuca ovina (sheep's fescue), are much in demand; what with a fine heavy quality and short yield prices run considerably higher than last year. Festuca ovina angustifolia (fine leaved fescue) had a shorter crop than last season, even Festuca pratensis (meadow fescue) necessitates high markets on account of the smaller crop in America.

Prices of rye grasses, Lolium perenne (English rye grass, perennial) and Lolium italicum (Italian rye grass), advanced from the beginning of the season continuously until to-day, owing to a small yield and heavy demand. Of Phleum pratense (timothy), the yield is somewhat short and quotations run higher than last year.

The brisk demand which had set in last Fall for Poa nemoralis (wood meadow grass) rapidly exhausted stocks, and there are only a few stray lots left for the Spring season.

Poa pratensis (smooth stalked meadow grass), markets opened high this year, as the crop in America was considerably smaller than last season, and it will be safe to moderate expectations as to growth. Poa trivialis (rough stalked meadow grass) can be particularly recommended at reasonable prices in excellent quality.

In regard to the crop of clover seeds the essential feature of the season is that red clover yielded a very short crop everywhere, and the demand is exceedingly heavy; this explains the unusually high prices. Markets of Lucerne, and more especially of the preferred Provence seed, are also high in connection with the shorter yield. White clover is again on the market in beautiful qualities and at normal prices, whereas the crop of alsike is short and prices rule high. Yellow trefoil is very much in demand, and stocks are now limited.

The majority of agricultural seeds, particularly lupins, sainfoin, serradella, vetches, mustard, seed peas, etc., yielded a more or less short crop, and prices had to be raised. Darmstadt, Germany CONRAD APPEL.

CATALOGUES RECEIVED.

J. A. PETERSON, Cincinnati, O.—Price List of the most popular Begonias, Iris and other plants. Adiantum Farleyense is one of Mr. Peterson's specialties.

HARLAN P. KELSEY, Salem, Mass.—American Hardy Rhododendrons, The Right Way to Grow Them; the best Native Species and Hybrids, and other Plants and Bulbs for the Rhododendron Bed; also Andromeda, Azaleas, Kalmias, Galax, Leucothoe, Rare Ericaceae, etc.—Beautifully illustrated, and giving cultural directions and full descriptions of the best varieties.

THE YOKOHAMA NURSERY COMPANY, Limited, 31 Barclay street, New York.—General Catalogue for 1908 of Flowering and Ornamental Trees, Shrubs, Bulbs, Herbs, Climbers, Fruit Trees, etc. This catalogue, printed in Japan, is a most interesting one. It describes fully the great majority of the subjects offered, and is profusely illustrated with gardening views in Japan, plants, flowers, etc. In addition, there are interspersed throughout the pages handsome colored illustrations of Iris Kämpferi, a fine collection of foliage of Japanese Maples, Prunus pseudo-cerasus, Mount Fuji, Viola pinnata var. charophyllodes, Shortia uniflora var. grandiflora, also a collection of Porcelain Flower Pots. The cover designs, also in color, show representations of Nandina domestica, of the flowering cherry, and of the pretty Rosa Yessoensis. Particularly comprehensive are the offerings of Lilies, Tree and Herbaceous Peonies, Iris, Candelias, Conifers, Evergreens, Bamboos, etc.

VEGETABLE PLANTS

TOMATO, Mayflower, Lorillard, Earlham, Early June Pink and Early Jewel, 30c. per 100; \$2.00 per 1000.

BETS, Egyptian and Crosby's, 20c. per 100; \$1.25 per 1000.

CELERY, White Plume and Golden Self Blanching, 20 cts. per 100; \$1.25 per 1000.

PETTER and EGG PLANTS, ready for transplanting, 40c. per 100; \$2.00 per 1000.

R. VINCENT, Jr. & SONS CO., White Marsh Md.

ASPARAGUS ROOTS, Conover's Colossa

Strong, two year old, tied in bundles of 25 lbs. per 100; \$1.00 per 300; \$3.00 per 1000.

Giant ARGENTEUOL, extra strong and fine, 75c. per 100; \$2.00 per 600; \$4.00 per 1000. For STRAWBERRIES and other small fruit plants, etc., send for price list. Address,

CHAS. BLACK, Hightstown, N. J.

DREER'S HARDY PERENNIALS

Largest assortment of desirable varieties. Plants of proper size to give best immediate results. For complete list of varieties see our current wholesale list.

Many planters not thoroughly familiar with this class of plants have an idea that nothing but a large, field-grown clump will give satisfactory returns for the season. This, as experience has taught us, is in most instances a mistake. A vigorous plant of proper size will, in nearly every case, give quicker and better returns than the best so-called "field clumps" that can be procured. It will be noticed that the majority of the stock offered in this list is described as being 3, 4 or 5-inch pots. This does not necessarily mean that the plants have been altogether pot-grown, but that they have been field-grown and dug and potted up during the Fall and early Winter months, and such stock can be planted, even late in the Spring, with practically no loss, which, in the case of clumps, is often quite serious.

	Per doz.	Per 100
ACHILLEA, The Pearl, 3-in. pots.....	\$0 75	\$5 00
Millefolium Koscum, 3-in. pots.....	85	6 00
ACONTIUM in variety. Strong roots.....	1 25	8 00
ALYSSUM Saxatile Compactum, 3-in. pots.....	75	6 00
ANCHUSA Italica Dropmore variety.....	3 50	25 00
ANEMONE Japonica, 3-in. pots.....	85	6 00
Alba, 3-in. pots.....	85	6 00
Elegantissima, 3-in. pots.....	85	6 00
Lord Ardham, 3-in. pots.....	1 25	8 00
Prince Henry, 3-in. pots.....	1 25	8 00
Queen Charlotte, 3-in. pots.....	85	6 00
Rosa Superba, 3-in. pots.....	85	6 00
Whirlwind, 3-in. pots.....	85	6 00
ANTHERICUM Liliago and Liliastrum.....	75	6 00
AQUILEGIA in variety, 3-in. pots.....	85	6 00
ARABIS Alpina, 3-in. pots.....	75	6 00
Flore Plena, 3-in. pots.....	85	6 00
ARMERIA Maritima Splendens, 3-in. pots.....	85	6 00
Alba, 3-in. pots.....	85	6 00
ARTEMISA in variety, 4-in. pots.....	85	6 00
ASCLEPIAS Tiberasi, Strong roots.....	85	6 00
ASTRIF. Grandiflora, Strong roots.....	85	6 00
Alpinus, Blue and white, 3-in. pots.....	85	6 00
HARDY Asters (Michaelmas Daisies). Strong plants in 25 varieties.....	1 00	7 00
BOCCONIA Cordata, Strong roots.....	85	6 00
BOLTONIA Asteroides, 4-in. pots.....	85	6 00
Latisquama, 4-in. pots.....	85	6 00
CALLIRHOE Involucrata, 3-in. pots.....	1 00	7 00
CAMPANULA Carpatia, Blue and white, 3-in. pots.....	85	6 00
Media, Double and single, 4-in. pots.....	85	6 00
Calycanthema, 4-in. pots.....	85	6 00
Persicifolia Mørheini, 3-in. pots.....	1 25	8 00
Persicifolia, Blue and white, 3-in. pots.....	85	6 00
CARYOPHTERIS Mastacanthus, 3-in. pots.....	85	6 00
CERASTIUM Tomentosum, 3-in. pots.....	85	6 00
CENTAUREA in variety, 3-in. pots.....	1 00	7 00
CHELONE in variety. Strong plants.....	1 25	8 00
CHRYSANTHEMUM Alaska, 3-in. pots.....	1 50	10 00
Shasta Daisy, 3-in. pots.....	75	5 00
Hardy Pompan, 25 varieties, 2 1/4-in. pots.....	60	4 00
CIMICIFUGA Simplex, 4-in. pots.....	3 50	25 00
CLEMATIS Davidiana, Strong 2-yr.-old.....	85	6 00
CONVALARIA Majalis, Clumps.....	2 00	15 00
COREOPSIS Laeocata Grandiflora, 4-in. pots.....	75	5 00
DELPHINIUM Belladonna, 3-in. pots.....	2 00	15 00
Chinese, 1-yr. field grown.....	75	5 00
Alba, 1-yr. field grown.....	75	5 00
Formosum, 1-yr. field grown.....	85	6 00
Mixed Hybrids, 1-yr. field grown.....	85	6 00
DICTYANUS Fraxinella and Alba, Strong plants.....	1 25	8 00
DIELYTRA Spectabilis, Strong clumps.....	85	6 00
DIGITALIS Glaxiniiflora, 4-in. pots.....	85	6 00
Grandiflora, 3-in. pots.....	85	6 00
Lanata, 3-in. pots.....	85	6 00
DORONICUM in variety, 4-in. pots.....	1 25	8 00
EPIMEDIUM in variety. Strong plants.....	1 50	10 00
ERYNGIUM Amethystinum, 3-in. pots.....	1 00	7 00
ERIGERON in variety, 3-in. pots.....	1 00	7 00
EUPATORIUM Ageratoides, 4-in. pots.....	85	6 00
Celestinum, 3-in. pots.....	85	6 00
EUPHORBIA Corollata, 3-in. pots.....	75	5 00
FUNKIA Cernua, Strong roots.....	75	5 00
Subcordata Grandiflora, Strong roots.....	1 25	8 00
Undulata Media Plena, Strong roots.....	85	6 00
GALLARDIA Grandiflora, 4-in. pots.....	85	6 00
GERANIUM Sanguineum, 4-in. pots.....	85	6 00
Album, 4-in. pots.....	85	6 00
GEUM in variety, 3-in. pots.....	1 00	7 00
GLECHOMA Variegata, Strong plants.....	85	6 00
GYSOPHILA Panchitana, Strong roots.....	85	6 00
El. Pl. Strong roots.....	3 00	20 00
HELENIUM Autumnale Superba, 4-in. pots.....	1 00	7 00
Grandcephalum Striatum, 3-in. pots.....	1 00	7 00
Pumilus Magnificum, 4-in. pots.....	1 00	7 00
Riverton Gem, 3-in. pots (New).....	1 50	10 00
Riverton Beauty, 3-in. pots.....	3 00	20 00

	Per doz.	Per 100
HEMEROCALLIS in variety. Strong plants.....	85	6 00
HEBISCUS Grimson Eye, 1-yr.-old.....	85	6 00
Moscheutos, 1-yr.-old.....	85	6 00
HELIANTHUS in variety. Strong plants.....	85	6 00
Sparsifolia, 3-in. pots.....	1 50	10 00
HELIOPSIS Pitcherhus, 4-in. pots.....	85	6 00
Semi Plena, 3-in. pots.....	85	6 00
Scaber Major, 4-in. pots.....	85	6 00
HELIANTHEMUM in variety, 3-in. pots.....	1 00	7 00
HEUCHERA Sanguinea, 4-in. pots.....	1 00	7 00
Alba, 4-in. pots.....	1 00	7 00
Rosa, 4-in. pots.....	1 00	7 00
HOLLYHOCKS - Dreer's Superb Double, White, yellow, pink, salmon, maroon, red, 1-yr.-old clumps.....	1 50	10 00

	Per doz.	Per 100
LYSIMACHIA Clethroides, 4-in. pots.....	85	6 00
LYCHNIS Chalcedonica, Alba and Curnea, 3-in. pots.....	85	6 00
Flore Plena, 3-in. pots.....	2 00	15 00
Haageana, 3-in. pots.....	85	6 00
Viscaria Splendens, 3-in. pots.....	1 25	8 00
LYTHRUM Roseum Superbum, 4-in. pots.....	85	6 00
OEOTHERA in variety, 3-in. pots.....	85	6 00
PAPAVER Orientale, Named varieties, 4-in. pots.....	1 50	10 00
Choice mixture, 4-in. pots.....	85	6 00
Nudicaule (Iceland Poppy), Choice mixed, 3-in. pots.....	85	6 00
PAEONIES, Choice Double Herbaceous.....	1 50	12 00
PENTSTEMONS in variety. Strong plants.....	1 00	7 00
PHYSOTEGIA Virginica and Alba.....	85	6 00
Phlox Hardy Garden in variety, 4-in. pots.....	85	6 00
PLATYCODON Bine and White, 2-yr.-old roots.....	85	6 00
PLUMBAGO Larpentia, Strong 3-in. pots.....	1 00	7 00
POTENTILLAS in variety. Strong plants.....	1 00	7 00
PHLOX Subulata, Pink and white, Strong clumps.....	75	5 00
Amena, 4-in. pots.....	85	6 00
PRIMULA Cortusoides Sieboldi, 6 distinct varieties.....	1 50	10 00
Veris (English Cowslip), Choice Mixture Arriena, 3-in. pots.....	75	5 00
1 50 10 00		
PYRETHRUM Hybridum, Choice seedlings, 3-in. pots.....	1 25	8 00
Uiginosum, 4-in. pots.....	85	6 00
Double, in six distinct colors, 3-in. pots.....	2 00	15 00
POLEMONIUM in variety, 3-in. pots.....	1 00	7 00
RAUNCULUS Repans Flore Plena, 4-in. pots.....	85	6 00
RUBRICKIA Golden Glow, Strong plants.....	85	6 00
Newman, 4-in. pots.....	1 00	7 00
Purpurea, 3-in. pots.....	1 00	7 00
Sub-Tomentosa, 4-in. pots.....	1 00	7 00
Fulgida, 4-in. pots.....	1 00	7 00
Rays of Gold, 4-in. pots.....	1 50	10 00
Autumn Sun, 4-in. pots.....	1 50	10 00
SALVIA Azurea Grandiflora, 4-in. pots.....	1 00	7 00
SANTIFRAGA (Meggase) in variety. Strong plants.....	1 50	10 00
SCABROSA Caucasica, and Alba, 3-in. pots.....	1 25	8 00
SEDUM Spectabilis, Strong clumps.....	1 00	7 00
Atraphaxen, Strong clumps.....	1 50	10 00
In variety. Strong clumps.....	85	6 00
SOLIDAGO in variety.....	85	6 00
SPHEREA Aruncus, clumps.....	1 00	7 00
Chinensis, clumps.....	1 25	8 00
Filipeduliflora Flore Plena, 3-in. pots.....	1 25	8 00
Gigantea, clumps.....	1 25	8 00
Palmeta, clumps.....	1 00	7 00
Elegans, clumps.....	1 00	7 00
Umaria Flore Plena, clumps.....	85	6 00
Venusta, 4-in. pots.....	85	6 00
STATICE in variety, 4-in. pots.....	85	6 00
STROBILA Cyanus, Strong, 3-in. pots.....	75	5 00
Alba, 3-in. pots.....	1 50	10 00
SWEET WILLIAMS, clumps.....	1 00	7 00
THALICTRUMS in variety. Strong plants.....	1 00	7 00
TROLLIUS Auranacus, 3-in. pots.....	2 00	15 00
Europaeus, 3-in. pots.....	1 00	7 00
Japanicus Excelsior, 3-in. pots.....	2 00	15 00
Orange Globe, 3-in. pots.....	2 00	15 00
TRITOMA Obelisque, strong divisions.....	1 50	10 00
Pfitzer, strong plants.....	1 00	7 00
Rufus, strong divisions.....	2 00	15 00
Tricolor, strong divisions.....	2 00	15 00
Uvaria Grandiflora, strong divisions.....	1 00	7 00
VALERIANA Coelebs and Alba, 4-in. pots.....	1 25	8 00
Obeliscus, 4-in. pots.....	1 25	8 00
VERONICA Longifolia Subsessilis, Strong plants.....	1 25	8 00
Splenda, Blue and White, 4-in. pots.....	1 00	7 00
VIOLA Cornuta (Tufted Pansies), 4 colors.....	50	3 00
WALL FLOWERS, 4-in. pots.....	1 25	8 00
YUCCA Filamentosa, 2-yr.-old.....	1 50	10 00



ANEMONE QUEEN CHARLOTTE

	Per doz.	Per 100
HOLLYHOCKS, Dreer's Double in Mixture, 1-yr.-old roots.....	1 25	8 00
Fringed Allegheny, in mixture, 1-yr.-old roots.....	1 25	8 00
Single Mixed, 1-yr.-old roots.....	1 25	8 00
HYPERICUM Moserianum, Strong plants.....	1 25	8 00
IBERIS Sempervirens, 3-in. pots.....	85	6 00
Flore Plena, 3-in. pots.....	1 00	7 00
IRIS Kämpferi (Japan Iris), 20 choice-nam- ed varieties.....	1 50	10 00
In choice mixtures.....	1 25	8 00
Germanica, 12 choice-named varieties.....	85	6 00
In choice mixture.....	60	4 00
INCARVILLEA Dalavayii, Strong roots.....	1 25	8 00
Grandiflora.....	3 50	25 00
LAUNDULA Vera, 3-in. pots.....	1 00	7 00
LOBELIA Cardinalis, 3-in. pots.....	85	6 00
Syphilitica, 4-in. pots.....	85	6 00

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Aquillon (Tall). Bright Tyrian Rose with crimson-red eye.
Andreas Hoffer (Medium). An early and continuous pure white.
Bouquet Fleuri (Dwarf). Pure white with crimson-carmine eye; free-flowering; each branch a perfect bouquet.
Bridesmaid (Tall). White, with large crimson-carmine centre.
Beranger (Dwarf). Ground color white, delicately suffused with rosy pink and distinct amaranth-red eye.
Bacchante (Tall). Tyrian rose with crimson-carmine eye. (Lara Benz (Dwarf). Lovely carmine rose, with deeper eye.
Champs Elysee (Medium). A very bright rosy magenta of an effective shade.
Eclairer (Tall). Brilliant rosy magenta with large lighter halo; an excellent variety.
Eugene Danzwiller (Tall). Lilac, shading white toward the edges; large white centre.
Esclarmonde (Tall). Lilac marked with white; aniline-red eye.
Graff von Ungerer (Tall). Large flower; white suffused throughout with rosy lilac and dark crimson centre.
H. O. Wijers (Tall). Pure white, with crimson-carmine eye.
Henry Murger (Tall). White, with crimson-carmine centre.
Inspector Felker (Tall). Purplish mauve, washed with white.
Jeanne d'Arc (Tall). A late-flowering pure white.
La Vague (Medium). Pure mauve with aniline-red eye; one of the best Phlox in our collection.

Otto Thalacker (Dwarf). Tyrian rose with red eye and light halo.
Obergartner Wittig (Medium). Bright magenta, with crimson-carmine eye; large flower and truss; the best of its type.
Pantheon (Tall). Bright carmine rose.
Pecheur d'Islande (Tall). Crimson red, suffused with cochineal-red and carmine-red eye.
Pacha (Dwarf). Deep rose pink suffused with soiferino-red and carmine-purple eye.
Professor Schömann (Tall). Pure mauve with crimson-carmine eye; an effective late flowering variety.
Papillon (Medium). Bright violet purple, marked with white.
K. P. Strathers (Tall). Rosy carmine with claret-red eye; one of the best Phlox in cultivation.
Sunshine (Dwarf). Large flower, aniline-red with crimson-red eye and light halo.
Thebalde (Dwarf). Carmine lake with brighter shadings and aniline-red eye.
Von Goethe (Tall). Tyrian rose, suffused with carmine lake and carmine-red eye.

Price Choice Standard Varieties: Strong, one-year-old field-grown plants. 75c. per doz., \$5.00 per 100; \$40.00 per 1000.

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	Per 100	Per 1000
Albion. A variety which originated with us several years since. It is a remarkably strong, vigorous grower, producing very large panicles of pure white flowers with a faint aniline red eye. An excellent sort for massing.....	\$6 00	\$50 00

	Per 100	Per 1000
B. Comte (Tall). A glowing reddish or French purple; one of the finest dark-colored varieties.....	6 00	50 00
Coquelicot (Dwarf). A fine pure scarlet with crimson-red eye.....	6 00	50 00
Etoa (Medium). Crimson-red, suffused with fiery red cherry red eye.....	6 00	50 00
F. G. von Lassburg (Tall). The finest white in cultivation, the individual flowers being fully double the size of any other variety, pure in color; a strong, clean, vigorous grower.....	10 00	90 00
Hermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.....	6 00	50 00
Inspector Elpel (Tall). Tender rose, with bright crimson-carmine eye.....	6 00	50 00
Jules Cambon (Medium). Very large, reddish purple, with exceptionally large pure white centre; the brightest and most distinct of this type.....	10 00	90 00
Le Mahdi (Tall). Reddish violet, with darker eye.....	6 00	50 00
Mrs. Jenklos (Tall). An early-flowering pure white, forming an immense panicle; one of the best.....	10 00	90 00
Michael Cervantes (Tall). Pure white, with pure red eye large flower.....	6 00	50 00
Selma (Tall). Large flower, pale rose mauve, with distinct claret-red eye.....	10 00	90 00
Vesuvius (Medium). Bright pure red, with French-purple eye; rich and gay.....	6 00	50 00

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 2000 Honeysuckle, 2 yrs., perfect plants at \$4.00 per 100.
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 20 Varieties Strawberry Plants, \$2.50 per 1000.
 Asparagus, 1 and 2 yrs. \$2.50 to \$3.00.

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for immediate effect. Shrubs must be sold this Spring on account of cleaning ground, and they are also too large to hold over. They are in excellent condition, clean, healthy and have good fibrous roots, strong and bushy.

Height Feet	Each Wholesale Price	Height Feet	Each Wholesale Price
100 Deutzia crenata 2-3	25c.	50 Forsythia viridissima 3-4	25c.
300 " " 3-4	30c.	475 " " 4-5	30c.
235 " " 4-5	35c.	400 Ligustrum Ikota 3-4	35c.
260 " " 5-6	40c.	30 " " 4-5	40c.
45 Deutzia gracilis 1-1 1/2	15c.	10 " " 6-7	50c.
147 " " 1 1/2-2	20c.	209 Lonicera Morrowii 3-4	35c.
298 " " 2-2 1/2	25c.	175 Philadelphia coronarius 4-5	40c.
210 " " 2 1/2-3	30c.	25 " grandiflorus 4-5	40c.
30 Diervilla (Weigelia) rosea 3-4	30c.	137 Spirea opulifolia 5-6	35c.
95 " " 4-5	35c.	288 " " 6-7	40c.
355 " " 5-6	40c.	327 " " aurea 5-6	35c.
100 Forsythia Fortunei 4-5	30c.	177 " " 6-7	40c.
150 " " 5-6	35c.	200 Symplocarpus Vulgaris 3-4	30c.
94 " " 6-7	40c.		

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Horticultural Notes.

Those who have some object in their garden they desire to conceal could not do better than to plant along side of it the Clematis paniculata. A strong pot plant would make a good showing the first season, and then there are the clusters of fragrant white flowers in late Summer.

As mentioned before, those who have preserved their holly seeds in moist soil for a year should sow them now. The seeds take a year in moist soil before sprouting. Hollies grow slowly for the first few years from seed, hence those who have facilities should grow them under glass.

The fine tree of Magnolia grandiflora, long an object of interest and admiration, which grew at Broad and Sansom streets, Philadelphia, Pa., in the garden of the Lippincott mansion, has been cut down, we are told, to make room for building operations. The tree had grown there for over 50 years.

What a lovely evergreen is the little Daphne Cneorum! Quite hardy, yet liking a sheltered place. For the sake of its foliage, it is greatly admired in early Spring when every one of its shoots is crowned with a head of pink flowers, and how very few other blossoms equal it in fragrance!

The Winter just over has been a favorable one for evergreens. What little freezing occurred was without cold, high winds, and best of all, the soil was full of moisture. Practically nothing is hurt. When the setting in of Winter finds the soil full of moisture, great injury to evergreens rarely occurs.

The common form of Japanese maple, Acer polymorphum, is not only of shapely growth, but its foliage, near at all times, is of a bronze crimson color in the Fall. It is, too, the one used for stocks for the blood-leaved and other pretty leaved forms of this maple.

Ilex crenata, the Japanese holly having small, bright shining leaves, is quite hardy for general planting. It is much appreciated by gardeners. The berries are of a black color. It is a pity they are not red; it would add so much to its attractiveness.

When planting beech, especially the fern-leaved variety, do not overlook the giving of a severe pruning. Planted unpruned the chances of their living are but small. The beech is on the planter's list of "hard cases" when it has to do with planting.

It is accepted by many as a fact that cherries and many other fruit trees fruit far better when more than one tree is planted than when one stands alone. A single tree in a garden will often fail to fruit well, even when it flowers freely, and often it is from lack of fertilization which the flowers of another tree would accomplish. The hanging of branches in blossom from another tree on the one from which fruit is wished would help matters.

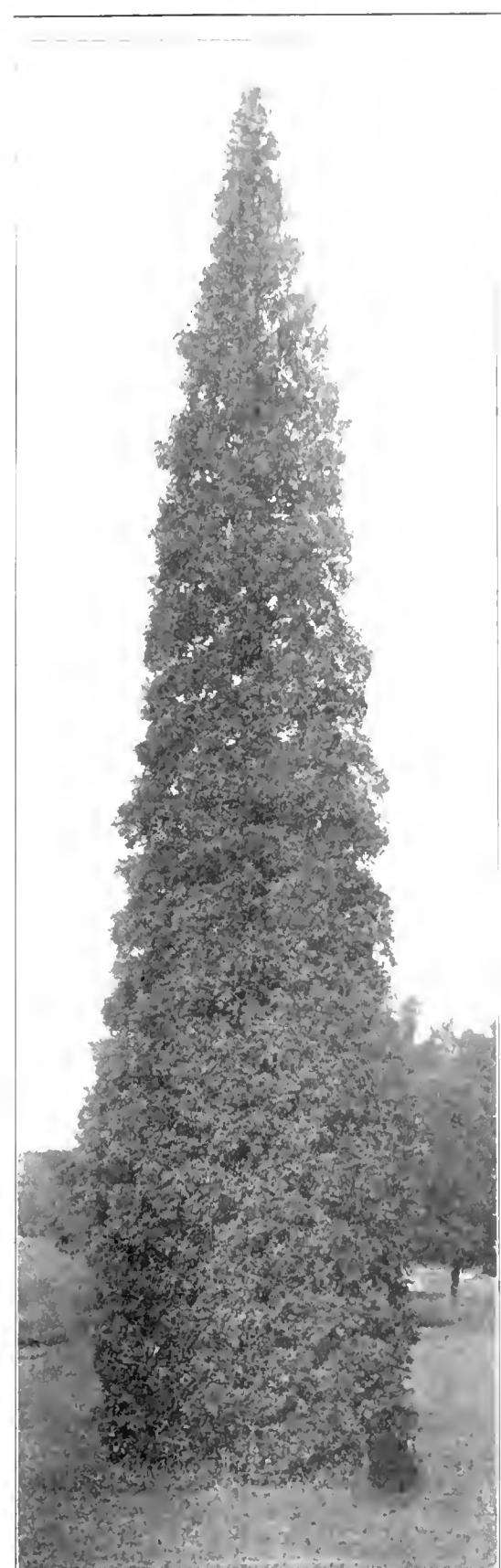
Figs buried for the Winter should be uncovered as soon as Winter is over. Set the bushes in a warm, sunny position. The first crop will start to swell in a short time; and an early start means ample time for the second crop to ripen.

Propagation of Magnolias.

The Chinese and Japanese magnolias are propagated nearly altogether from layers. This is the time to cut down all stool plants in order that strong shoots may be made to serve for layering purposes. Cut them down to within two or three eyes of their base. Then by June many of the shoots will be of length sufficient to layer; and one after another layering may be kept up until the close of August. The layers will root very soon, but all propagators agree that it is much better to let the layers have two seasons for rooting, then to cut them off and let them be set out as separate plants.

It is not often these species seed freely. Of the whole number there is but one that does it—the M. kobus. This one forms seeds for almost every flower, the pods being of most grotesque forms, like young birds, many of them. The well-known Yulan, or Chinese white, M. conspicua, rarely bears seeds. The M. stellata, supposed to be a true species, never seeds, so far as the writer is aware, though old bushes have been under observation. Of the many hybrid forms, the M. Soulangeana, M. speciosa, and like sorts rarely seed, while M. Lenzii is a well-known seed bearer.

Excepting that some of the rarer native species are bodded on other strong growing stocks, such as the tripetala and acuminata are, they are raised altogether from seeds. The seeds of these as well as of all other sorts are collected in Autumn, washed free of pulp, or the pulp rotted off by the seeds being kept a while in damp



Thuja occidentalis.
American Arbor vitae.

sand, and then washed, after which they are placed in boxes of damp soil and kept in any cool place until Spring, when they are sown. Some propagators prefer to clean the seeds of pulp and sow them outdoors in Autumn, but there is no need of this, as Spring is as good a time if sowing is made early; and it may be that preference may be given to sowing them in boxes in a greenhouse.

Golden Forms of Arbor Vitae.

The present golden Arbor vitae of the Thuja occidentalis type is without doubt the one called George Peabody. Its foliage is finely edged with gold the whole season through, and it is particularly pleasing to look at in late Spring, just as its new growth is well formed. There are other golden sorts, as well as some variegated ones, but they do not keep their character so well as the George Peabody, one of them, in fact, almost losing their differing tints at some seasons of the year. The George Peabody has to its credit, too, that it is of the beautiful pyramidal conical shape many of the common Arbor vitas possess, being well filled out in all its parts.

Leaving this section and considering that of the Chinese, the Rollinson's golden leads all others in its desirability. There is no time of the year that it is not good to look at. The color is a bronze yellow, and this color is more intense when the sun has full play on the foliage. It is of much more compact form than the common Chinese Arbor vitae, Thuja occidentalis, while retaining the somewhat flattened outline of it, but its growth is sturdier and slower. This is a gain, for the common Chinese sort grows rapidly, making height without much strength of limbs. By starting with a plant fairly well filled out, then giving attention afterward in the way of pruning, a well rounded conical evergreen can be had of the Rollinson's golden Arbor vitae.

These are two golden Arbor vitas that can be recommended to all planters, good for the lawn and for growing in pots; and this is the season to see to potting or to planting them.

Thuja Occidentalis.

One of the best known of our native evergreens is the Thuja occidentalis, everywhere known as the American Arbor vitae. It is so well known because of the many uses to which it is put, chiefly the planting in close bodies for screening unsightly objects or for windbreaks, and for forming a hedge. For these purposes it is as popular to-day as it ever was, and for the good reason, there is no other evergreen that could take its place to good advantage. Its particular style of growth is what makes it so valuable for the purpose. Note the illustration herewith and then agree with us that there is no other tree that would give the height and take up less space in width than this Arbor vitae does. It is quite common to see trees 20 feet high and but 3 to 4 feet in width at the base. When it happens, as it so often does, that height is wanted where there is no space for a wide-spreading tree, the Arbor vitae is the only available evergreen for the purpose. The photograph is of a typical tree, one planted when young and never disturbed afterward. We consider it a beautiful specimen, and think a great deal of the Arbor vitae as a worthy evergreen for a lawn.

The hardiness of the American Arbor vitae is another point in its favor. Inhabiting the coldest parts of our country, from Canada to Pennsylvania, and particularly the Northeastern States, it naturally is more at home in colder States than in warmer ones, and this accounts for its doing better North than South. It has been found that the Chinese Arbor vitae is a better one for the South than is our own species, the one of which we write.

In its wild state the Arbor vitae is found along the rocky borders of streams, lakes and in swamps, but when in the latter position it is on elevated ground, for when on wet, undrained ground it does not flourish at all. As in all similar cases, this tree does not demand like conditions to its wild representatives. It does well any where where the soil is deep and good; and even in light sandy soils it thrives if the soil is deep, as in that case it is usually moist.

This tree is often called white cedar; and really the common names of trees cannot be accepted as guides at all. The white cedar of older days and botanists is the evergreen known under the old name of Cupressus thujoidea, the well-known cedar of the New Jersey swamps, so it is better always to keep to botanical names as far as possible.

There is another Arbor vitae native here, but in the far off Pacific States, in Washington and British Columbia it is a grand tree, reaching a height of sometimes 150 feet, and its timber is very valuable. Its foliage is of a lively green color, more so than the one of our notes, Thuja occidentalis. The Pacific coast one is the T. gigantea. Unfortunately, it is not hardy, the Winters being too severe for it even in Pennsylvania; but we are still hoping to find a hardy variety of it some day.

JOSEPH MEEHAN.

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GRAFTED ROSES

\$10.00 per 100; \$100 per 1000.

BRIDES, BRIDESMAIDS, RICHMOND and KILLARNEY ROOTED CARNATION CUTTINGS

LAWSON	Per 100	Per 1000	VICTORY	Per 100	Per 1000
WINSOR	\$1.50	\$15.00	BEACON	\$3.00	\$30.00
ENCHANTRESS	2.00	16.00	ELDOBADO	1.50	12.50
LADY BOUNTIFUL	2.50	20.00	MRS. PATTEN	2.50	20.00
NAYLOR	1.50	12.50			

EDWARD J. TAYLOR, Greens Farms, CONN.

Rambler Rose "Newport Fairy"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

HAVE LILIES FOR ALL

Have lilies, the best in the land the best in the land, the best in the land. Azaleas, the finest colors to beat the band, to beat the band, to beat the band.



If you would know the fairest sight your eyes can ever see, Where the most perfect plants are grown, to Aschmann come with me; Why, ne'er since flowers began to bloom was such a glorious show of all the best that florists need, found in one place to grow. The lilies are the very best yet seen on Easter Day; Azaleas are whole sheets of flowers, perfect in every way. The araucarias matchless are; so are the ferns all green. With bulbs and plumed spires, the best you've ever seen. And Aschmann gives a challenge, let every florist hear, For flowers or prices either, no rival does he fear. If you wish to gather dollars, like violets in the Spring, Then send your largest order—his plants the cash will bring.

An immense stock of choice Easter Plants, blooming Easter week or earlier if desired, are now ready for immediate shipment. Never mind about that nonsense hard time talk. Everybody wants plants for Easter. Wake up, open your eyes; success sure to come. Come and see our activity in shipping azaleas and other plants. Will you follow? Now is the time to order while our stock is large. All get served alike—the man who comes right here to the spot or the party who buys by mail. Don't forget, we have the best Azaleas and Lilies this year in the market, and no joke about it. Our reputation from Atlantic to Pacific in shipping Easter plants for the wholesale market the last twenty years is sufficient ground that we mean business, and have what we advertise.

Have Azalea Indica to beat the band. We take the lead in the American market for them. Were never so nice as this year—good foliage well budbed. We make a specialty of importing every year an immense stock of the choicest varieties, popular in America, grown under contract for us by an azalea specialist in Ghent, Belgium. If you need azaleas, do not look in vain around the country for bargains, but come or write direct to us. We will be able to supply you with the best obtainable for the American market, in medium sizes, full of buds, in good healthy condition, right for Easter.

All our azaleas are planted in 6 and 7 in. pots as soon as they arrive in October from Belgium. In justice to all our azalea buyers, we do not sell any in the Fall (having the best picked out for Fall trade), but keep them all for Christmas and Easter orders. We have a whole house full of Mme. Van der Cruyssen (best double pink) that makes your mouth water, all as round as an apple, covered with buds, 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75 and \$2.00 each. Next we have Simon Mardner (double pink), Veranoena (rose variegated double), Deutsche Perle (white), Nisbe (double white), Bernard Andrew alba (double white), Prof. Wolters, Empress of India (double variegated).

All goods must travel at purchaser's risk. To save express charges, please mention if plants are to be shipped in or out of pots. Cash with order, please. Strictly no references can be investigated in such busy shipping seasons.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants.

1012 W. ONTARIO ST.

PHILADELPHIA, PA.

ASPARAGUS PLUMOSUS NANUS

Strong plant, 4 in. pot, from seed, 50c. per doz. 100c. per doz. Holly Ferns, 50c. per doz.

R. G. HANFORD, Norwalk, Conn.

gated), Apollo (red), and about 6 more varieties. Prices: 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75 and \$2.00 each. Only large sizes of Bernard Andrew alba, at \$1.00, \$1.25, \$1.50 and \$2.00 each.

Easter Lilies, Japan Multiflorum, of our own importation, raised from best 10 in. bulbs obtainable. Have the finest lot this year we ever had any season; showing buds now; just right for Easter. Medium sizes 13 in. to 40 in., 10c. per bud for plants over five buds, and 12c. per bud for plants under five buds. About 5000 good plants to offer. Owing to fact that demand every year exceeds supply, kindly send order early as possible.

On account of there being so many diseased bulbs among those obtained from Japan, which have to be thrown out the cultivation of lilies is no longer profitable, therefore we ask our customers to order a reasonable amount of azaleas and other stock when ordering lilies.

Cineraria Hyb. Grandiflora, best improved strain, 5 in. \$2.00 per 100; 6 in., \$3.00-\$4.00-\$5.00 per doz.; right for Easter, in bud, partly in bloom now.

Hyacinths of my own importation, raised from first-class bulbs only. King of the Blues, dark blue; Giant Maitre, lavender blue. Gertrude, pink; La Grandis, white, 4 in. pots, \$12.00 per 100. My hyacinth cannot be compared with those raised from poor, cheap bulbs flooding the market.

Touresol Tulips. This variety is the best double red and yellow variegated, and sells at sight. It is valuable because it will remain open in good condition for 10 days. Price, 3 bulbs planted in a 4 in. pot, \$1.50 per doz., or \$12.00 per 100 pots.

Van Zion Daffodils. This is the best double yellow narcissus on the market; good seller, 3 double-nosed bulbs planted in a pot, 5, 5 1/2 to 6 in. pots, price, \$2.00, \$2.50 to \$3.00 per dozen pots.

Roses, Hybrid, (double European stock), 6 in. pots, three feet high and over, such as Paul Neyron Irish Brunner, Mrs. John Laing, 50c. to 75c. each. Hermosa and Baby Rambler roses, 5 1/2 in. pots, 10c. to 50c. each.

Paris Daisies—5 1/2 in. pots, 25c. each. Moon Vines, or the well-known Ipomoea Multiflora, which produces flowers as big as a saucer, free bloomer, very fragrant, and for which I have a reputation as grower and shipper all over the country for the last twenty years, now ready, 2 1/2 in., \$5.00 per 100.

Araucarias Robusta, Compacta and Excelsa. A perfect marvel of nature. We are one of the heaviest importers and growers of this beautiful decorative plant, the Araucaria. Prices: 6-7 in. pots, 6-year-old, 4-5-6 tiers, 28 to 40 in. in height, the same in width, only \$3.00; 6-7 in. pots, 6-year-old, 4-5-6 tiers, 25 to 28 in. high, \$2.00 and \$2.50; 6-7 in. pots, 5-year-old, 3-4 tiers, 18 to 25 in. high, \$1.50 to \$1.75. Excelsa, 6 in. pots, 5-year-old, 5 tiers, 22 to 25 in. high, \$1.00; 6 in. pots, 4-5 tiers, 4 1/2 year-old, 18-20-22 in. high, 75c.; 5 1/2 in. pots; 3 to 4 tiers, 8-10-14 in. high, 50c. each.

Ferns. Raised in pots, not lifted from benches. Nephrolepis Scottii, 6 in. pots, 50c. to 75c.; 7 in. pots, \$1.00 each. Nephrolepis Piersoni, 5-5 1/2-6 in. pots, 35c., 40c., 50c.

Nephrolepis Bostoniensis, 8 in. pots, made up of three plants as big as a washbub, \$1.25 to \$1.50; 7 in. pots, 75c. to \$1.00; 6 in. pots, 50c.; 5 to 5 1/2 in. pots, 30c., 35c., 40c.

Nephrolepis Whitmanii, 8 in. pots, as big as a washbub, \$1.25 to \$1.50.

Ferns for Dishes, 3 in. pots, 7c. each. Amerpohli, the new lace fern, 5 1/2 in. pots, 50c. and 60c.

Kentia Forsteriana and Belmoreana, 4 in. pots, 8 to 20 in. high, 35c., 5 1/2 in., 5 1/2 in., and 6 in. pots, bushy, stocky plants, 50c., 60c., and 75c.

Ficus Elastica or Rubber Plants, home grown and Belgium stock, 18-25 to 40 in., 5-5 1/2 to 6 in. pots, 35c., 40c., 50c., 60c. each; 7 in. pots, 75c.

Begonia Flambeau, sells at sight, 5 1/2 in. pots, 25c.

Begonia, new improved Erfordi, 4 in. strong, 20c.; 5 1/2 in., 25c. each.

Primula obconica, in bloom, 5 1/2 in. pots, 25c. each.

Hydrangea Otaksa. This is the best pink variety, already in bud, just right for Easter, 6 to 7 in. pots, 40c., 50c., 75c., \$1.00, \$1.25 each.

Spirea Gladstone. We offer only large stock, our own importation, 6-7 in. pots, in bud now, just right for Easter, 50c., 75c., to \$1.00 each.

200 VINCA VARIEGATA and 35 GREEN VINCA

2-year-old, 4-in. pots, from 10 to 16 shoots, good and strong plants, \$10.00 per 100.

G. HANSON

1025 S. Cameron St., HARRISBURG, PA.

EASTER PLANTS

SPIREA Florabunda, 7 in. pots, fine stock, 50c. each. LILACS, White and Purple, 8 in. pots, fine stock, \$1.25 each. AZALEAS, asst. colors, shapely plants, \$1.00, \$1.25 and \$1.50 each. GERANIUMS, in bloom, 4 in. pots, \$1.00 per doz. ASPARAGUS Plumosus, 5 in. pots, \$2.10 per doz.

B. F. BARR & CO. KEYSTONE NURSERIES, Lancaster, Pa.

BULBS AND AZALEAS

In the best of shape for Easter. Order now; will ship when you want them. AZALEAS, 50c., 75c., \$1.00 each. TULIPS, all first size bulbs, in the best condition. La Reine, white shaded with rose; Artus, deep scarlet, very fine; Yellow Prince, yellow; Cottage Maid, pink striped with white, at 3c. a flower. Kaiserkrone, red and golden, bordered extra large, at 4c. The tulips run from 4 to 8 in. a pot. HYACINTHS, rose, white, blue, pink and purple, first size, 12c. each; second size, 10c. each. Von Sion, 3c. per flower. Cash.

All of the above bulbs were potted in the Fall and not boxed.

S. A. PINKSTONE, 20-22 Philip St., UTICA, N. Y.

Plants for Easter

Table listing plants for Easter with prices per dozen and per 100. Includes items like PRIMULA OBCONICA, HYACINTHS, DOUBLE-NOSED DAFFODILS, ASPARAGUS Sprengeri, CINERARIAS, SPIREA Gladstone, DAISY, and GERANIUMS.

J. S. BLOOM, Riegelsville, PA.

EASTER PLANTS

My Easter stock is in the best of shape. EASTER LILIES, 10c. a bud. HYDRANGEAS, 4 to 8 in. pots, 15c. to \$1.00. DAFFODILS, 6 in. pots, three double-nosed bulbs, 15c. TULIPS, 4 in. pots, Touresol, red and pink, 12c. HYACINTHS, 4 in. pots, 12c. CRIMSON RAMBLER, American Beauty, La France, Frau Karl Druschki, Jacqueminot, Cochet rose plants, 4 to 6 in. pots, 25c. to \$2.00 per plant. GENISTA, 4 to 6 in. pots, 15c. to 30c. AZALEAS, 10 to 20 in. heads, 60c. to \$1.50 each. SPIREA, 6 in. pots, 35c. to 75c. per pot. Send in orders early and get first selection. Cash, please.

FRANK B. RINE, Lewisburg, Pa.

SPLENDID STOCK

HYDRANGEA Otaksa, in bud and bloom, 4 to 8 in. pots. ASPARAGUS Plumosus, 3 and 4 in. ASPARAGUS Sprengeri, 3 and 4 in. ROSES, Brides, Maids, Gates and Uncle John, out of 2 1/2 and 3 in. DRYCENAS, 5 and 6 in. pots. VINCA, 3 and 4 in. pots.

Write for prices.

JOHN C. HATCHER AMSTERDAM, N. Y.

400 WHITE STOCKS Princess Alice, 2 1/2 inches. 300 PINK STOCKS La France, 2 1/2 inches. \$2.00 per 100, \$10.00 for the lot. CASH PLEASE JOHN G. HOLMES, 124 Main St., SAUGUS, MASS.

THE WEEK'S WORK

Timme's Timely Teachings.

Easter.

It is unlikely that among the thousands of florists, all fully aware of what Easter means to them and their business, a single one could be found yet unprepared for the holiday, still waiting for his cue, the rallying cry: "Bestir yourself; get ready!" The real weight of the thought that to be in readiness for any one of the great holidays is of prime importance rests on the mind of the plant grower for months, yes, for often more than a year before the arrival of these events, so anxiously looked forward to. Easter with us is one of the busiest, and in preparing for it brought this year somewhat more than its allotment of work and worry. The local florist after years of practice learns to understand that with proper judgment and attention to order, system and neatness in final arrangement much more may be accomplished during the last days before Easter toward securing his rightful share in the anticipated rush of trade than by any belated over-exertion in his capacity as a grower to overcome impossibilities. Taking good care of the stock now ready or promising to come to a finish at the last moment is now of foremost importance. All flowering plants, hard-wooded stock in particular, roses, deutzias, plums, hydrangeas, azaleas, spiraeas, even if kept in ever so cool a place, must be watered regularly and faithfully lest a single drying out of the roots now might result in utter ruin, or at least great decrease in value. It is not too late to stock up in some lines of holiday supplies, specialties, Easter novelties, even in plants conveniently to be obtained, should this seem needful. It is better in every way to be well supplied with anything certain to contribute to the volume of trade and not likely to amount to an actual loss if not disposed of at Easter, than to run the risk of losing sales by not having it in stock or being compelled to waste valuable time in trying to procure it when the rush is on. There is also still time to be found in this short last week for the filling of baskets, dishes and boxes with bulbs of all flowering kinds and plants of various species, now in bloom, and for the making up of tastefully arranged plant pieces in many ways, suggesting themselves to the alert mind of the experienced in this line of business. There should now be a vast amount of suitable material for the purpose in and about the establishments of actual growers. Never crowd the more expensive and principal subjects in making up elaborate plant combinations; it mars the effect aimed at with flowering as well as foliage plants. Rather be less sparing in the use of rooted sprigs and small plants of such kinds as tradescantia, panicum, ferns and lycopodium, all most serviceable in covering with living verdure every remaining bare spot. The filling of high-priced baskets and fancy Easter receptacles with plants from trays or pots—as, of course, also with flowers in a cut state—should be deferred until the last; a few as samples, the remainder to order. The main aim in the final arrangement of all the stock on hand for the occasion, single and made-up plants, decorative greens, Easter specialties, cut flowers and flowers ready to cut, should always be wisely to combine attractive display with the utmost convenience for patrons and attendants in moving about while transacting business at the liveliest rush hours. But at no time should the press of business furnish an excuse for carelessness in the taking or execution of orders or in their being promptly delivered.

The Early Plant Trade.

Ordinarily it requires a full fortnight of balmy, Spring-like weather—only too often followed by another gust of cutting cold—to awaken keen interest in outdoor gardening, to beguile people into the belief that bleak Winter has departed for good. Not so this year. The weather up to date has been anything but agreeable, continues still with but few breaks in its steadfast behavior, to be wet, chilly and unfavorable for any outdoor work. Despite all this, more inquiries have been made respecting character, price and adaptability of plants; and more orders booked accordingly at so early a time

than in previous seasons. Enthusiasm in the beautification of home grounds and in the making of gardens seems to have never before been so markedly keen as this Spring. While this is certainly most encouraging to plantmen in general, to the home grower or local florist the fact that, in this early start of the plant trade hardy roses, hardy climbers, hardy herbaceous perennials led in the call for what was wanted, should prove of special interest, lending as it does additional force to the oft-repeated advice to provide for this particular line of trade so as to be amply supplied at the approach of Spring.

Hardy Stock.

There is no difficulty in finding willing buyers for nearly all kinds of hardy plants, but the florist, locally established, who decides to go somewhat heavily into this branch of business may meet with difficulties in properly keeping and handling a great many kinds. It is wiser to keep in stock ample quantities of the best known, most easily grown and oftenest called for varieties, than a few each of a great many things, most of them untried in his particular locality and some of them sure to prove unsatisfactory.

Most in demand among hardy vines and climbers for permanent planting are clematis, wistaria, humulus, ampelopsis, akelia and climbing roses; hop-suckles, aristolochias and trumpet vines come next, and the number of other varieties occasionally asked for is small, though it cannot be gainsaid that thus many an excellent climbing plant is denied a chance to prove its superiority for certain situations over any of those named. All of this kind of stock, as also garden roses, a few trees and shrubs and the greater part of hardy herbaceous plants and roots, are easily obtained in season, from any reputable nursery, bought and sold while in a dormant state. Unless florists as such are more favorably situated than most of them appear to be for the raising of their own stock of the above-named kinds, they will find buying and selling to be the more profitable way of dealing in stock of that character. Bundles or packages, wrapped and labeled, should on their arrival be undone, each specimen labeled separately, re-wrapped and stored in a moist but cool place or be heeled in open ground. The point of importance is to keep this stock in a dormant condition as long as possible, to keep the roots from drying out, the wood from shriveling or starting into growth, to have all at handy reach and true as to name of variety. Of perennials quite a number are easily raised from seeds or multiplied by division or cuttings. These sell nearly all Summer—some from the open border, others from frames, these mostly pot-grown. Favorites with buyers are hardy phloxes, asters, pinks and ferns, iris, pompon chrysanthemums, Shasta daisies, aquilegias, dicentra, larkspurs, peonies, lychnis, tritomas, campanulas, lily of the valley, pyrethrums, stokesias, digitalis, gaillardias, spiraeas, lobelias and myosotis.

FRED. W. TIMME.

PANSIES

Brown's Extra Select Prize PANSIES, large, transplanted, field-grown plants, in bud, \$1.50 per 100; \$12.00 per 1000. Cash with order.

PETER BROWN, 124 Ruby Street, Lancaster, Pa.

SMILAX from 2 1/2 in., \$2.00 per 100; \$18.00 per 1000. SMILAX SEEDLINGS, from flats, 50c per 100; \$4.50 per 1000. ASPARAGUS Sprengeri, 4 in., \$6.00 per 100. SALVIA Bonfire, 2 1/2 in., \$2.00 per 100. SALVIA Bonfire, strong seedlings, 80c per 100; \$7.00 per 1000. GERANIUMS, Nutt, Grant, R. C., \$1.25 per 100. CHRYSANTHEMUMS, from 2 1/2 in. Polly Rose, Glory of the Pacific, Bonaffon, Appleton, \$2.50 per 100. Cash with order.

ALTERNANTHERAS

Strong rooted cuttings, red and yellow, 50c per 100, or \$4.00 per 1000. Brilliantissima, 60c per 100, or \$5.00 per 1000.

DAVIS BROS., Morrison, Ill.

PLANTS FOR 2cts.

Asparagus Sprengeri, 2 in., 2c Swallow-tail, 2 in., 2c Feverfew, Heliotrope, Cuphea, Coleus, White Ageratum, 2 in., 2c Rose Geraniums, 2 in., 2c FEVERFLW, double white, nice young plants, 75c per 100. SINGLE HOLLYHOCKS, field, 2 1/2c. ASTERS, earli-st, 3 colors, 40c per 100. Vinca var.; Alternanthera, red and yellow. Stock Princess Alice, 2 in., 2c. Forget-me-nots, Double Campanula, \$2.50 per 100.

Rooted Cuttings

Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c; Heliotrope, 3 kinds, \$1.00; Vinca Variegata, 3c; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Alexandria, \$1.25. Flowering Begonias, \$1.25. Coleus, 10 kinds, 50c. Ageratum, Inimitable, white, 60c. Alternanthera, 3 kinds, 50c; Salvia, Bonfire, 20c; Feverfew, Gem, \$1.00, Parlor Ivy, 75c.

Cash at C. O. D. BYER BROS., CHAMBERSBURG, PA.

FRINGED Double Petunias

Fine plants, 3 and 4 in., \$3.00 and \$5.00 per 100. SINGLE PETUNIAS, 3 in., \$3.00. Rooted cuttings by mail, 1.25. VINCA variegated, R. C., 1.00. VINCA variegated, 4 in. plants 15 in. high, 5.00. GAZANIA Splendens, R. C., 1.50. ASPARAGUS, Sprengeri, 3 in., very strong, 5.00. SALVIA, tall and dwarf, 1.00. STROBILANTHES Dyerianus, R. C., 1.25. GERANIUMS, Mme. Sallerol, R. C., 1.50. MOON VINE, Smith Hybrid Seedling, transplanted, 2.00. MOON VINE, 2 1/2 in. pots, 3.00. DRACAENA Indivisa, 4, 6 and 7 in., 29.00. SINGLE HOLLYHOCKS, fine strain, strong, 2.00.

Cash with order, please. GEO. J. HUGHES, Berlin, N. J.

A FEW GOOD THINGS YOU WANT

Cash with Order. Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100. Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100. ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100. Dracaena indivisa, 2 in., \$3.00 per 100. FERNS, Scottii, 5 in., 30c each. GERANIUMS, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., \$1.25 per 100; Pot plants, 2 in., \$2.00; 3 in., \$4.00 per 100. Trego, Castellane, Viand, Jaulin, Poitevine, R. C., \$1.50 per 100; Pot plants 2 in., \$2.50; 3 in., \$5.00 per 100. Mme. Sallerol, 2 in., \$3.00 per 100. VINCA VAR., 2 in., \$2.00 per 100. Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order. GLADIOLUS BULBS, mostly light colors, \$1.00 per 100. REX BEGONIAS, 2 in., \$5.00 per 100. COLEUS; ALTERNANTHERA, red and yellow; CIGAR PLANT; VERBENA; HELIOTROPE; SCARLET SAGE; BONFIRE; 2 in. pots, \$2.00 per 100. GEO. M. EMMONS, NEWTON, N. J.

CYCLAMEN

Splendens Gigantum Hybrids. Finest strain in the world, perfect flowers of Giant type in five true colors, twice transplanted from flats, \$3.00 per 100, \$25.00 per 1000; plants from 2 1/2 in. pots, \$5.00 per 100, \$45.00 per 1000.

CANNAS

Aphonse Bouvier, Florene Vaughan, Chas. Henderson, Chicago, Papa, Egan-dale, J. D. Cahos, Queen Charlotte from 3 in. pots, \$1.50 per 100, \$10.00 per 1000.

GERANIUMS

S. A. Nutt, John Doyle, Castellane, Beante Poitevine, E. G. Hill, Mme. Landry, Mme. Jaulin, La Favorite, etc. Best-class grown stock in bud and bloom, from 4 in. pots, \$6.00 per 100.

SATISFACTION GUARANTEED PAUL MADER, East Stroudsburg, Pa.

Mammoth Verbenas

Large plants, from soil, 60c per 100, by mail, \$1.00 per 1000, by express, PANSIES, Giant Tramariscum, finest mixed, transplanted plants, 50c per 100, \$5.00 per 1000. PANSIES, best-class plants, coming in bud, \$1.00 per 100, \$8.00 per 1000. SALVIA Splendens, from soil, \$1.00 per 100. GERANIUMS, in bud and bloom, 4 in. Nutt, Double Grant, Poitevine, Viand Jaulin and White, \$6.00 per 100. HILL TOP GREENHOUSES, 1516 Grand Ave., CHICAGO, ILL.

GRAFTED ROSES

NOVELTIES MRS. JARDINE, RHEA REID, QUEEN BEATRICE. The above, \$6.00 per doz., 50 plants for \$18.00, \$3.00 per 100. MY MARYLAND, 50c each, \$5.00 per doz., \$35.00 per 100. On own roots, 2 1/2 in. pots, \$25.00 per 100, \$2.00 per 10, 3 in. pots, \$5.00 per doz. MRS. POTTER PALMER, \$3.00 per doz., \$17.50 per 100, \$125.00 per 1000. NEW RAMBLER "NEWPORT FAIRY," for delivery Spring, 1908. Well rooted plants in 2 1/2 inch pots \$1.00 each, \$9.00 per dozen, \$50.00 per 100.

STANDARD VARIETIES

Aurora, Betty, Bon Silene, Bride, Bridesmaid, Eucharist, Etiole de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chateauy, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesley, White Cochet. GRAFTED, 2 1/2 inch pots, 20c each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1000.

AMERICAN BEAUTY

Own root, 2 1/2 inch pots \$8.00 per 100, \$75.00 per 1000, 3 inch pots \$12.00 per 100, \$100.00 per 1000. April, May and June delivery.

OWN ROOT ROSES

From 2 1/2 inch pots, re-potted from 2-inch. Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chateauy, Aurora, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. From 2 inch pots ready for shipment, \$3.50 per 100, \$30.00 per 1000.

CARNATIONS—Rooted Cuttings.

Winsor 100 1000 \$6.00 \$50.00. Rose Pink Enchantress 3.50 30.00. Enchantress 2.50 20.00. Queen Louise 2.50 20.00. From 2 inch pots, add \$1.00 per 100. White Enchantress, 3 in. pots \$7.00 per 100, \$60.00 per 1000.

MISCELLANEOUS PLANTS

AGERATUM, Stella Gurney, Princess Pauline. SALVIA Splendens, S. Bonfire. HELIOTROPE. Rooted cuttings 75c per 100, \$6.00 per 1000.

A. N. PIERSON, - CROMWELL, CONN.

COLEUS

Vershall-ella, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Bookwith's Gem. Prices of 100-14 cuttings, by express, 60c per 100, \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate. Golden Bedder, Hero, Mossey, Pearl of Orange, 75c per 100, \$6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate. Fancy Varieties. A very fine assortment of twelve kinds and 1100 cuttings, 75c per 100, \$8.00 per 1000. 200 in assortment, our selection for the 1908 rate.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS

From flats, \$10.00 per 1000.

CHRYSANTHEMUMS

Ready for Shipment. Virginia Poehlmann, Angulo Laurent, Golden Dome, Mile, Joanne Rosette, Money Maker, from 2 1/2 in. pots \$2.00 per doz., \$10.00 per 100. Mrs. Clay Frick, Zimmers Yellow, Mary Mann, from 2 1/2 in. pots \$1.00 per doz., \$6.00 per 100. Rooted Cuttings, \$5.00 per 100. CHOICE POMPONS, Klondyke, Quinola. CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita. From 2 1/2 in. pots, \$1.00 per doz.

STANDARD VARIETIES

WHITE—Early: George S. Koth, Polly Rose, Early Snow, October Frost, Mid-Season; Clementine Tousey, White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Nivous, Queen, Alice Byron, Eureka, Miss Minnie Wautenker, Adella. Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.

PINK—Early: Glory of the Pacific, Rosire, Mid-Season: J. K. Shaw, Adela, A. J. Balfour, William H. Duckham, Dr. Engchard, Morton F. Plant, Late: Maud Dean, The Harriott, Mayor Wenner, Mrs. James Marshall.

YELLOW—Early: Monrovia, Mid-Season: G. Pfeifer, Col. D. Appleton, Late: Major Bonaffon, Golden Wedding, H. W. Keiman, Yellow Eaton.

RED—Collingford, Merstham Red, Matchless. BRONZE YELLOW—Mrs. William Duckham, Old Gold. POMPONS—Baby (Yellow), Lula (White), Briblas (Pink).

From 2 1/2 inch pots; 5c each, 50c per dozen, \$3.00 per 100, \$25.00 per 1000. Rooted Cuttings: \$2.00 per 100, \$15.00 per 1000.

A. N. PIERSON, - CROMWELL, CONN.



DAHLIAS. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphaea, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty, \$5.00 per 100. Grand Duke Alexis and Kriemhilde, \$7.00 per 100. BOSTON FERNS. Plants well established in 2 1/2-inch pots, \$4.00 per 100; \$30.00 per 1000.

BEGONIAS

Marjorie Daw, Thurston, Metallica, Rubra and Argentea Guttata, \$4.00 per 100.

BOUGAINVILLEA GLABRA SANDERIANA, 2 1/2-inch, \$4.00 per 100.

CALADIUM ESCULENTUM, 5 to 7 in., \$2.00; 7 to 9 in., \$3.00; 9 to 11 in., \$6.00.

ROSES for outdoor planting or growing in pots, strong 2 1/2 in. pot plants: Clothilde Souper, Hermosa, Baby Rambler, Maman Cochet, White Maman Cochet, \$3.00 per 100; \$25.00 per 1000.

THE STORRS & HARRISON CO., Painesville, Ohio

Pansy Plants Geraniums

Giant Flowering, \$2.50 per 1000, \$20.50 per 10000. ALTERNANTHERAS, Red, Yellow, April 10, 2.00. COLEUS, 10 Var., 2 1-4 in., 2.00. VINCA VARIEGATED, 2 1-4 in., 2.50. VERBENAS, April 15, 2.00. CANNAS, C. Henderson and eight other varieties, 3 in. pots, May 1st, 2.50.

Per 100 Per 1000. DOUBLE PETUNIAS, 2.00. ASPARAGUS PLUMOSUS, 2.00. ASPARAGUS SPRENGERI, 2.00. CENTAUREA GYMNOCARPA, Apr 15 2.00. PRIMROSES, 1st list, 2.00. Cash

JOS. H. CUNNINGHAM, Delaware, Ohio

ASPARAGUS, BOSTONS, AZALEAS

Plumous Nanus, 2 1/2 in., \$3.50 per 100, \$30.00 per 1000; 3 in., 6c, 3 1/2 in., 10c, 4 in., 12c, 5 in., 20c, 6 in., 30c. Comorensis, 2 in., 2c; 2 1/2 in., 3c; 3 1/2 in., 6c. Sprengeri, 2 1/2 in., 3c; 3 1/2 in., 6c; 4 in., 10c.

Azaleas. We are now booking orders. Delivery of our stock is the best in the West. Phones: Bell, Forest 117; Knobel, Bell 174 L. Greenhouses at Clayton, Mo. J. W. DUNFORD, Kings Highway and Page Bld., St. Louis, Mo.

THE TRADE ONLY— When Writing Please Mention THE FLORISTS' EXCHANGE.

Prices Advertised in these Columns are for THE TRADE ONLY—

The Superiority of
THE BOSTON VIOLET

Over all other varieties has been demonstrated by the facts that it has been awarded

A First Class Certificate of Merit by the Massachusetts Horticultural Society.

A Report of Superior Merit by the Gardeners and Florists' Club of Boston.

A Silver Cup by the Boston Co-operative Flower Growers' Association.

A First Class Certificate of Merit by the New York Florists' Club.

A Diploma by the Lenox Horticultural Society.

THE REASON

It is the **largest**, the most **fragrant**, it has a **pleasing color**, is the **strongest grower**. It is **easily grown** and is in crop from September to May.

For May Delivery **Order now.**

Prices \$2.00 per 12; \$12.00 per 100; \$100.00 per 1000.

WILLIAM SIM, Clifondale, Mass.

500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant selfs and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky.

Fall transplanted plants ready to bud and bloom. Price \$10.00 per 1000. Larger Sizes \$15.00 and \$20 per 1000. EXPRESS ONLY CASH WITH ORDER

I. E. COBURN, - 291 Ferry Street, - EVERETT, MASS.

Asparagus Plumosus Nanus Seed

New Crop, Highest Germination, \$2 50 per 1000, Cash.

Drake Point Greenhouses, - YALAHA, FLORIDA

ASPARAGUS PLUMOSUS

CASH OFFER TO MAKE ROOM.

3 in. \$4.00 per 100, \$35.00 per 1000; 2 in. \$2.50 per 100, \$20.00 per 1000.

Cash With Order.

HUGH GRAHAM COMPANY, York Road & Loudon St., PHILADELPHIA PA.

MARIE LOUISE VIOLETS

Got a fine crop ready for Easter, \$7.50 to \$10.00 per 1000. Rooted runners from Marie Louise and Farquhar, clean healthy stock, \$1.00 per 100; \$7.50 per 1000. Cash with order, please.

C. LAWRTZEN, Box 261, Rhinebeck, N. Y.

ROOTED CUTTINGS

Prepaid per 100. Heliotrope blue; German Ivy, 75c. Alternanthera best red and yellow, also Paronychia Major, 50c. \$4.50 per 1000. Fuchsia, five finest kinds, \$1.00, \$9.00 per 1000. Double Alyssum, 85c. Ageratum, Gurney and Pauline, Coleus, best bedders Salvia, Bonfire and Splendens, 85c. Verbena Seedlings Mammoth Mixed, 35c. per 100, \$3.00 per 1000. Cash. Shippensburg Floral Co., Shippensburg, Pa.

PANSIES

Giant flowering, none better, \$2.50 per 1000. DAISIES, Bellis, in bloom, \$1.25 per 100; \$10.00 per 1000. Plants that will bloom soon, \$2.50 per 1000. Stocks, Verbenas, Salvia, Dusty Miller, Alyssum, single and double, fine plants, out of 2 1/2 in. pots, \$2.00 per 100; \$15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

PANSY PLANTS

Of my largest flowering mixture of show varieties, unsurpassed quality. Strong plants, out of cold-frame, will bloom by May 1, \$3.00 per 1000; 5000 lots, \$2.50 per 1000. Fine transplanted blooming plants, \$1.25 per 100, \$10.00 per 1000; 500 at 1000 rate.

BELLIS (daisies), in red and white, \$2.00 per 1000.

GUSTAV PITZONKA, Bristol, Pa.

AMPELOPSIS VEITCHII

10,000 well-rooted, 20 to 30 inch, \$2.50 per 100; \$20.00 per 1000. 1000 one-year seedlings, 12 to 24 inch, \$1.50 per 100; \$12.00 per 1000. In pots of 2000 and over, \$10.00 per 1000; fine for transplanting; packed free of charge. For samples by mail send 25c. In stamps.

Address, **CHARLES BLACK,** Hightstown, N. J

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

CHRYSANTHEMUMS

100,000 Plants, now ready, in 2 1/2 in. pots of all the novelties and standard varieties. The best American and Australian seedlings, and a complete list of the new singles.

ROSES

Rhea Reid and Mrs. Jardine, \$4.00 per dozen; \$30.00 per 100. Grafted Brides, Maids, Richmond, Killarney, \$12.00 per 100; \$100.00 per 1000. Own root Brides and Maids, 2 1/2 in., \$3.00 per 100; \$25.00 per 1000.

BEGONIA Gloire De Lorraine, \$15.00 per 100; \$145.00 per 1000.

CHAS. H. TOTTY, Madison, N. J.

100,000 CHRYSANTHEMUMS

Fine, Vigorous Stock

WHITE

Byron, Ivory, Bonnaillon, Jones, J. J. Mitchell, Nonin, Polly Rose, Touzel.

PINK

Maud Dean, Minnie Bailey, Dr. Enguehard.

YELLOW

Appleton, Bonnaillon, Jones, Ealon, Wedding, \$3.00 per 100, \$25.00 per 1000.

Rooted Cuttings, \$1.50 per 100, \$15.00 per 1000.

COLEUS

\$2.00 per 100, \$18.00 per 1000; Rooted Cuttings, \$5.00 per 1000; Golden Bedder, Verschalleitii or assorted 12 varieties.

Orders booked for future delivery.

The Breneman Floral Co., Wholesale Florists, HARRISBURG, PA.

CHRYSANTHEMUMS

ELEGANT ROOTED CUTTINGS

	100	1000
Jones, white	\$1.75	\$15.00
Ivory, white	1.75	15.00
Bonnaillon, yellow	1.75	15.00
Golden Wedding, yellow	1.75	15.00
Maud Dean, pink	1.75	15.00
2 1/2 in. plants, \$20.00 per 1000.		
Giant White Daisies, \$1.75 per 100.		

We guarantee to give satisfaction or money refunded.

Cash with order or satisfactory references.

MILBROOK LEA GREENHOUSE CO., West Whiteland, Pa

Rooted Chrysanthemum Cuttings

GLORY OF THE PACIFIC, POLLY ROSE, ADA BYRON, KALB, HALLIDAY, HARRY SINCLAIR, BONNAFFON, \$1.50 per 100.

FAIR MAID CARNATION CUTTINGS, \$1.00 per 100; \$8.00 per 1000.

H. F. Littlefield, 552 Main St., Worcester, Mass.

Chrysanthemum Rooted Cuttings

MONROVIA, MAUD DEAN and J. NONIN. Rooted Cuttings for March delivery, \$1.50 per 100.

ANTON C. ZVOLANEK,

BOUND BROOK, N. J.

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For Every Purpose. A card will bring our Illustrated 1908 Catalogue.

ELMER D. SMITH & CO., Adrian, Mich.

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WHOLESALE, JOBBING, CONTRACTING, AUCTION, HORTICULTURAL PRODUCTS
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GARDENER'S ASSISTANT, \$15.00

Write for Prospectus	
VIOLET CULTURE,	1.50
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PLANT CULTURE,	1.00
HOUSE LANTS, cloth	1.00
" " paper	.50
RESIDENTIAL SITES,	2.50
TELEGRAPH CODE,	2.50
Book of Water-Gardening	2.50

A. T. De La Mare Ptg. and Pub. Co. Ltd., N. Y.



(63) Peonies for Cut Flowers.—Can you tell me which are the best varieties of peonies for cut flowers that would be safe for a beginner to grow in the vicinity of New York?
New York. J. W. B.

—It is difficult to decide what is positively best to grow for any market. Soil, climatic conditions and popular demand all play important parts. Some varieties sell well one year and fall out of use another; some are good keepers and shippers, others are not. The following list of varieties has been grown at the Cottage Gardens (N. Y.) and sold well on the New York market, those marked * having done especially well with us: *Duchesse de Nemours, *Festiva Maxima, *La Coquette, *Mme. Crousse, *Alba Sulphurea, *Alexandre Dumas, *Festiva, *Mme. de Verneville, *Mme. Ducler, *Mme. Forel, *Marie Lemoine, *Modeste Guerin, *Mons. Dupont, *Mons. Jules Elie, *Prince Imperial, *Reine Victoria, *Sarah Bernhardt, *Delicatissima, Couronne d'Or, Delachei, Duke of Wellington, Felix Crousse, Jeanne d'Arc, La Tulipe, Louis Van Houette, Mme. de Vetry, Modele de Perfection, Mons. Bouchardat, aine, Queen Victoria, Triomphe de l'Exposition de Lille, Golden Harvest, Rosea Superba, Officialis rubra fl. pl.
G. W. WARR.

(64) Black Spot on Field Roses.—We have some kind of disease on our rose bushes in the field. About the time the leaves get matured, black spots appear and the leaves turn yellow and drop. What shall we do to check it?
Louisiana. S. S.

—The disease on the rose foliage is no doubt the common black spot, a good remedy for which is found in the following: Take five ounces carbonate of copper, three quarts ammonia; mix with sixty gallons of water; spray the plants very finely and thoroughly once a week, four weeks in succession.

(65) Vegetable Values.—I am a florist in a small town and have never bothered with vegetable plants, as flowers have taken all my time and room. This season, however, I have a lot of the best varieties of vegetable plants started and would like to know what would be a fair price for the following, per dozen: Tomatoes, egg plants, peppers (large varieties), cauliflower, also cabbage and celery by the hundred, transplanted in flats. All to be of suitable size for immediate planting.
New York. QUIZ.

—The best way to arrive at the proper price to charge for the plants mentioned would be to figure up their cost and allow a reasonable profit for the growing. In order to ascertain what other dealers are charging for such stock, we would advise consulting the advertisements of vegetable growers, as they appear in The Florists' Exchange.

(66) Waterproofing Shades.—I wish to make several shades out of heavy cotton cloth on frames three feet by six feet, to use as covers for plants in hotbeds and in cold frames. What I wish to know is, what kind of a preparation can I put on the cloth to make it lasting, waterproof and to strengthen it?
New York. W. F. T.

SAMUEL A. WOODROW

53 West 30th St.
NEW YORK

Tel. 2083 Mad. Sq.

53 West 30th St.
NEW YORK

LILIES Large Flowers and Fine Stalks

MARKET PRICES

AZALEAS, 75c., \$1.00, \$1.25, \$1.50, \$2.00, \$2.50; **GENISTAS**, 50c., 75c., \$1.00; **PRIMROSES**, 15c., 25c.; **RAMBLERS**, 75c., \$1.00, \$1.50; **HYACINTHS**, single, 15c.; **SPIREAS**, 50c., 75c., \$1.00; **FERNS** for Hampers, 15c.; **HYDRANGEAS**, 25c. per flower; **FOLIAGE PLANTS**, in variety; **HYACINTH PANS**, 50c., 75c., \$1.00.

Out-of-town strangers, cash with order

Wholesale Plants

—In order to make cotton cloth suitable for a watertight frame cover, take linseed oil, three pints; sngar of lead, one ounce; rosin, four ounces. Beat or grind up the lead with a little oil until thoroughly mixed, then add the rest of the oil and rosin. Place the whole in a kettle over a fire and heat it thoroughly. Tack the cloth loosely on a frame and apply the liquid with a brush.

(67) **Nitrate of Soda**.—How would nitrate of soda act on young roses in open ground, and how much should be used? We want something that will make a quick growth. S. S. Louisiana.

—Nitrate of soda, if used at the rate of 200 or 250 pounds per acre, would help to give the roses a luxuriant growth.

(68) **Carnations for City Sales**.—I would like to know what varieties of carnations to plant for shipping to market in cities. What is the time to plant so I can clear the house by March 15, as I grow vegetable plants for Spring sales? Also, what varieties of violets are best for market? P. J. H. Ohio.

—Whatever varieties of carnations are grown, it would be a great sacrifice to throw out the plants in the middle of March, but, of course, if the young vegetable plants for Spring sales are considered more important and profitable than it is possible for the carnations to be, that course would be all right. Among the best varieties for commercial purposes at the present time are White Perfection, White Enchantress and White Lawson for white; Beacon and Victory for red; Harry Fenn and Harlowden for crimson; Winsor, Welcome and Enchantress for light pink; Rose Pink Enchantress; Mrs. Thos. W. Lawson and Afterglow for dark pink. The best time to plant them in the greenhouse will be early in August.

The best violets for commercial purposes are Marie Louise for double and the new variety Boston for single.

Advertise In

THE FLORISTS' EXCHANGE

Prices Advertised in these Columns are for

FELTHOUSEN'S GERANIUMS

None better, if as good. The following varieties, in 2 1/4 in. pots, with or without soil, \$18.00 per 1000.

Beaute Pottevine, S. A. Nutt, La Favorite, John Doyle, Richard Brett, Ricard, Bruanti, General Grant, M. Canovas, Jean Vland, Pasteurean, Landy and several others. **FUCHSIAS**, rooted cuttings, \$1.00 per 100; 2 1/4 in. pots, \$3.00 per 100. **HELIOTROPE**, rooted cuttings, \$1.00 per 100; 2 1/4 in. pots, \$3.00 per 100. **COLEUS**, rooted cuttings, 60c. per 100; \$5.00 per 1000. **AGERATUM**, Stella Gurney, 60c. per 100 R. C.; 2 1/4 in. pots, \$1.00 per 100. **PERIWINKLE**, 2 in., \$2.00; fine 4 in., \$6.00 per 100. **LOBELIA**, 2 in. **ALYSSUM**, Carpet of Snow and others, 2 in., \$2.00 per 100. **ENGLISH IVY**, R. C. strong, \$2.00 per 100. **FEVERFEW**, 2 in. strong, \$2.00 per 100. Cash with order.

J. E. FELTHOUSEN, Schenectady, N. Y.

GERANIUMS

2 in. pots. S. A. Nutt, John Doyle, A. Ricard, Buchner, Castellane, Jean Vland, and Beaute Pottevine, \$18.00 per 1000.

COLEUS

Golden Bedder, Crimson Verschaffeltii and fifteen other varieties, R. C., 60c. per 100; \$5.00 per 1000. R. C. 2 in. **AGERATUM**, Stella Garney \$0.50 \$1.00 **SALVIA** Bonfire 1.00 2.00 **SWEET ALYSSUM** 1.00 2.00 **HELIOTROPE**, dark .75 2.00 **FUCHSIAS** .75 2.00 **FEVERFEW**, double white .75 2.00 **ASPARAGUS PLUMOSUS** Nanus and Sprengerl, 3 in. pots, \$4.00 per 100. Cash with order.

ERNEST HARRIS, Delanson, N. Y.

GERANIUMS

In bloom for Easter. 4 in. pots, \$1.00 per doz.; \$6.00 per 100. Cash please.

Henry Eichholz, Waynesboro, Pa.

GERANIUMS

Young, thrifty, from pots. Sent nearly free of soil. Nutt, Doyle, Buchner, Grant, \$1.20; Ricard, Pottevine, Perkins, Hill, Dryden, \$1.40 per 100. Large, \$1.50 \$2.00 per 100.

COLEUS Verschaffeltii and G. Bedder, \$5.00. Fancy, very brightest, \$4.50 per 1000. **Giants**, most brilliant of all, 85c. per 100. **Bushy Plants**, Red and Yellow, 85c.; Fancy, 70c.; Giant, \$1.00 per 100. Fine plants, Sage, Fireball, Alternanthera, Red and Yellow, and **Panicles**, extra choice in bud, 75c. per 100. **Gladioli**, mixed, 30c. per 100. Cash. Big bargains on some stock. Write please.

DANIEL K. HERR, Lancaster, PA.

GERANIUMS

Rooted cuttings. TREGO, CASTELLANE, VLAUD, CHARLOTTE, DOYLE, RICARD, POTTEVINE, \$1.50 per 100; \$12.00 per 1000. BUCHNER, MONTMORT, PERKINS, \$1.25 per 100; \$10.00 per 1000. S. A. NUTT, \$10.00 per 1000. Cash with order.

PETER BROWN, Lancaster, Pa.

GERANIUMS

Out of 2 1/4 in. pots: La Favorite, S. A. Nutt, Castellane, Mrs. E. G. Hill and other varieties, ready to shift into 3 in., good strong plants, \$2.00 per 100; \$18.00 per 1000. Cash with order. 500 at 1000 rate.

C. W. ESPY & SON, Brookville, Pa.

ORCHIDS

From STANLEY & CO., Southgate, England

The live people in this line and the largest importers in the Kingdom. Stock about 100,000 growing; importations constantly coming. Cut flower growers can do well with us. WRITE.

Geraniums, Heliotropes, Etc.

Ready April 25th
WM. J. CHUNNICK, TRENTON, N. J.

ORCHIDS

Arrived in fine condition, a superb consignment of Dendrobium Formosum Giganteum, D. Wardianum.

Will arrive about April 15: C. Labiata, C. Trianae, C. Gigas Sanderiana. May 1 to 15: C. Mossiae, C. Mendelli, C. Schroederiae, C. Gaskelliana, C. Percivaliana, C. Warneri, O. Varicosum.

CARRILLO & BALDWIN, Secaucus, N. J.

ORCHIDS

We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices. Write us for information as to kinds and prices.

We have just received the following orchids: Oncidium Tigrinum, O. Sarcodes, O. Forbesii, Sapphonitis grandiflora and cucinea.

LAGER & HURRELL, Summit, N. J.

Imported ORCHIDS Just to Hand

LAELIA PURPURATA, CATTLEYA INTERMEDIA, CATTLEYA MOSSIAE

JULIUS ROEHRS CO.

The Orchid Nurseries, RUTHERFORD, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

Sander, St. Albans, England

and
235 Broadway, Room 1, New York City

GERANIUMS 2 in. S. A. Nutt, \$20.00 per 1000; \$2.25 per 100; rooted cuttings, \$12.00 per 1000; \$1.25 per 100. **VARIEGATED VINCA**, rooted cuttings, \$10.00 per 1000. Cash with order.

S N. PENTECOST

1790-1810 East 101st St., CLEVELAND, O

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NEW CANNAS 1908

ROSEA GIGANTEA

This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2 1/2 inches across, color, a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. (A great favorite with visitors to our trial grounds.) Strong plants, \$2.00 each, prepaid; \$18.00 per doz. by express, not prepaid.

GLADIO-FLORA

Remarkable for the unusual shape of the flowers, which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap

each other, thus giving a very attractive appearance to the flowers. Color is crimson, changing to carmine rose with an uneven edge of gold to each petal. Height, 3 1/2 feet. Price, strong plants, \$2.00 each, prepaid; \$18.00 per doz., by express, not prepaid.

CANNA METEOR

Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich; each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all Summer through. Price, plants or dormant roots, 75c. each, postpaid; \$6.00 per doz., by express, not prepaid.

NEW CANNAS OF SPECIAL MERIT

WILLIAM SAUNDERS

(1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze.

Height, 3 1/2 to 4 feet. We believe that Wm. Saunders is decidedly the most perfect canna of this type that has been introduced. Those who tried Wm. Saunders in 1907 say it cannot be excelled. We offer plants only; 60c. each, postpaid; \$5.00 per doz., \$35.00 per 100, by express, not prepaid.

60 other Varieties. Send for list and prices

THE CONARD & JONES CO., West Grove, Pa.

500,000 Palmetto Asparagus Roots

2, 3 and 4 Years Old

Well developed. Grown on Bloomsdale.

Trade Price, \$3.50 per Thousand.

No Order will be taken under One Thousand

D. Landreth Seed Company, Bristol, Pa.
Bloomsdale Seed Farms.

ROSES

The weather in the vicinity of New York has been very erratic, Summer one day and Winter blasts the next, and we can expect more just like it for the balance of this month. Keep the fires going, even if the nights are warm; it is better to leave on an inch of air and a little heat; this makes a circulation that is very beneficial. It is some time yet before replanting and therefore the plants must not be neglected if any returns are to be expected for the flowers; the very best at present bring little. No attempt should be made to hold flowers for several days for Easter; it comes so late that at best there will be but a small advance and pickled stock will find no other place than the ash barrel.

From now on keep the plants as cool as possible, thus making the foliage hard and the blooms large and full, and don't omit regular feeding if you do not want disease the first warm spell. With the exception of Beauty, syringe the plants every clear day as spider multiplies very rapidly, and must therefore be kept in check. Watering from now on is a simple matter, as the plants dry out so rapidly that an overdose is almost impossible. Keep the young stock moving, and never allow it to suffer for want of water, especially the front rows; these will need attention twice a day in clear weather; on the other hand, allow the pots to get fairly dry before watering, as, with the plants in benches, it is better to water thoroughly once a week than dribble along every day; the latter practice results in a weak growth only.

Keep the pots free from weeds, and when well rooted, repot into larger pots; 4 inch is best for all purposes, though if plants are ready to shift now, and will not be needed till late in July, it would pay to use 3 or 3 1/2 inch now and repot later into 4 inch; this will keep them from becoming potbound. When repotting, see that ample drainage is provided, and to the soil a little bone meal can be added at the rate of a 4-inch pot full to an ordinary wheelbarrow load. The soil, of course, should be screened, and the rough parts, such as pieces of sod, etc., make ideal crocking. When potting, have the plants nice and moist, not wet nor too dry, firm them well and then give a good watering, so that the whole ball is nicely moist, not mud, and water slowly so that the soil does not puddle, as this would form a hard crust on the pots. Do not set pots on soil; better remove all or at least part of it and have at least an inch of ashes screened for the pots to set on. Look over the grafted plants frequently and see if the ties are all right; some may be too loose or too tight; a beginner with this class of stock might lose several through this cause.

Asparagus Roots

We offer an extra select lot of two-year-old Asparagus Roots in the following varieties:

	Per 100	Per 1000
Argenteuil	75c.	\$5.00
Conover's Colossal	50c.	4.00
Dreer's Eclipse	50c.	4.00
Barr's Mammoth	50c.	4.00
Palmetto	50c.	4.00

Special quotations on lots of 5000 or more.

HENRY A. DREER
714 Chestnut Street
Philadelphia, Penna.

ROOTED

Carnation Cuttings

PINK

	100	1000
ARISTOCRAT	\$6.00	\$50.00
WINSOR	6.00	50.00
ROSE PK. ENCHANTRESS	3.50	30.00
ENCHANTRESS	3.00	25.00
LAWSON	2.50	20.00
JOOST	2.00	15.00

WHITE

WHITE PERFECTION	3.00	25.00
" LAWSON	3.00	25.00
QUEEN	2.00	18.00
BOSTON MARKET	2.00	18.00
LOUISE	2.00	18.00
LT. PEARY	3.00	25.00
BOUNTIFUL	2.50	20.00

RED

BEACON	6.00	50.00
VICTORY	3.00	25.00
ROBERT CRAIG	3.00	25.00
FLAMINGO	2.50	20.00

MISCELLANEOUS

PATEN	2.50	20.00
HARRY FENN	2.50	20.00
HARLOWARDEN	2.50	20.00

Stock guaranteed. Prompt deliveries.

THE LEO NIESSEN CO.
Wholesale Florists,
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CARNATIONS

ROOTED CUTTINGS of all the new and standard market varieties. Send for price list.
WM. SWAYNE
BOX 226 KENNETT SQUARE, PA.

CABBAGE PLANTS
Jersey Wakefield, ready for field, \$1.25 per 1000. Toronto, all kinds, \$1.50 per 1000.
J. C. SCHMIDT, Bristol, Pa.

CANNAS

Special Prices to Close Surplus.

SIX VARIETIES AT \$1.00 PER 100. Altemania, Anstria, Marechal Villante, also three grand sorts, large-flowered, names lost.

SEVEN VARIETIES AT \$1.25 PER 100. Burbank, Felix Crouse, Mile. Berat, Morning Star, Bronze King, Metallic, King of Bronzes.

TEN VARIETIES AT \$1.50 PER 100. Atlanta, Partenope, Pennsylvania, J. D. Cabos, Ex. Crampbell, L. Patry, J. C. Vaughan, Queen of Holland, President Carnot, Musafolia.

NOVELTIES: Eastern Beauty, \$2.00; R. Wallace, \$3.50 per 100; Indiana, Wyoming, Graf Waldersee, Hoffgartner Hoppe, Chataqua, \$4.50 per 100; Queen of Beauty, \$2.00 per dozen; \$15.00 per 100. Our new seedling W. E. Cottrell, the best dark pink yet, 25c. each; \$2.50 per dozen; \$18.00 per 100.

Started plants of Cannas, started in sand, ready after April 15, same price as dormant roots; place your order now. A collection of 50 novelty CANNAS, all correctly labeled, started plants, for \$2.50.

Japanese Kudzu Vines, strong plants, \$4.00 per 100.

FRANK CUMMINGS BULB & PLANT CO.,
MERIDIAN, MISS.

5000 CANNAS

LOUISIANA, beautiful dark red, orchid-flowering, strong roots, with 2 and 3 eyes, \$6.00 per 100; 200 for \$10.00. 20,000 DWARF BOXWOOD for borders.

10,000 MAHONIA AQUIFOLIA, 3 year old. Also fine lot of small shrubs; a real occasion for landscape gardeners.

For particulars write to

THE CEDAR HILL GARDENS
SEA CLIFF, L. I., N. Y.

CANNAS

Gold Medal Cannas, King Humbert, Wm. Kasting, etc. Brands-wine, most magnificent bronze-leaved, bed of gold, Egandale, etc. Strong plants at discount prices.

GERANIUMS, S. A. Nutt, Hill, Poitevine, Jean Vibard, etc. 2 1/2 in., A No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50. N. H. CORLIN, Elberon, N. J.

CANNAS

Our stock is true to Name. Extra Selected, plumb, sound, 2, 3, 4-eyed roots.

	Per 100	Per 1000
Austria	\$1.20	Flor. Vaughan \$2.00
Alsace, white	3.00	Gladiaior, new
Alba Rosea	1.20	Louise, pink
America	2.00	Metallica
Black Warrior	3.00	M. Washington
Buttercup, new	3.00	Musafolia, new
Burbank	1.20	Mrs. K. Gray
Black Prince	2.00	Pennsylvania
Coronet	1.80	Pres. Meyers
Crimson Belder	2.00	Robusta, red
Evolution	2.00	Soc. Chabanne
Egandale	1.80	All kinds mixed

DAHLIAS, field-grown whole clumps, 40 leading kinds, cactus, decorative and show, true to name, per doz. 45c.; per 100 \$4.00; per 1000 \$30.00. All kinds mixed, per 100 \$3.00; per 1000 \$20.00.

CALADIUMS (Elephant's Ears), sound bulbs, live center shoots, the best quality.

	Per 100
6-8 in. circumference	\$1.50
8-10 in. circumference	3.25
10-12 in. circumference	5.50

TUBEROSES, Dwarf Pearl, the true kind, which will produce short stalks with double flowers

1st size, 300 per 100	\$3.50 per 1000
2nd size, 500 per 100	\$4.50 per 1000

GLADIOLUS, gand., mixed, 80c. per 100; \$7.50 per 1000, 25 at 100 rate.

All other bulbs, etc., see catalogue
Shellroad Greenhouses, Grange, Baltimore, Md.

Anemone Japonica

	Per 100
5000 Alba	\$5.00
3000 Rubra	5.00
2000 Whirlwind	5.00
3000 Phlox, Miss Lingard	5.00
10000 Funkia undulata varieg.	6.00

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723-727 Mt. Hope Ave., ROCHESTER, N.Y.

Norway Spruce

Handsome little trees, twice transplanted, well colored, well furnished and well rooted.

500-15 to 18 in.	\$5.00 per 100
500-18 to 24 in.	8.00 per 100
500-2 to 2 1/2 ft.	10.00 per 100
200-3 to 3 1/2 ft.	15.00 per 100
200 Irish Juniper 5 to 6 1/2 ft.	\$12 per 100.

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60,000 CALIFORNIA PRIVET

All bushy plants, 2 years old, cut back once, \$3.00 per 100, \$25.00 per 1000; 1 year old, \$1.50 per 100, \$12.50 per 1000. Cash please.

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CARNATIONS

ROOTED CUTTINGS—HEALTHY STOCK

WHITE LAWSON	100	1000
PINK LAWSON	\$3.00	\$20.00
BOSTON MARKET	2.00	18.00
QUEEN	2.00	15.00
ENCHANTRESS	3.00	20.00

500 White Lawson, 500 Boston Market, 1000 Enchantress, 1000 Pink Lawson, 1000 Queen, 2 and 2½ in. pots. The lot for \$100.00.

625 fine 2½ in. KAISERIN ROSES for \$18.00

J. E. SAMBROOK & CO.
Berlin, Rens. Co., N. Y.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.

White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000.

Queen, Boston Market, Pink Lawson, H. Godard, \$1.50 per 100; \$15.00 per 1000.

Victory, \$2.00 per 100; \$20.00 per 1000.

Craig, \$2.50 per 100; \$20.00 per 1000.

Cardinal, \$2.00 per 100; \$17.50 per 1000.

Harlowarden, \$1.50 per 100; \$15 per 1000.

Enchantress, \$2.00 per 100; \$18 per 1000.

White Perfection, \$2.50 per 100; \$22.50 per 1000.

Cash with order or satisfactory references.

SMITH & GANNETT, Geneva, N. Y.

ROOTED Carnation Cuttings

WINSOR, PINK IMPERIAL	1000	\$40.00
ENCHANTRESS	1500	50.00
BEACON, WHITE ENCHANTRESS	500	25.00
VICTORY, WHITE PERFECTION	2500	100.00

FERNS

Scottii and Whitmani, 5 in., \$2.50 per doz.; 6 in., \$4.00 per doz.; 8 in., 75c. each.

SPirea, Pink and White, \$4.00 per doz.

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LARCHMONT, N. Y.

CARNATIONS

From sand April 1st.

600 Queen	Net per 100	\$1.75
250 Harlowarden		1.75
1200 Genevieve Lord		1.75
From 2½-inch pots early in April.		
1800 Genevieve Lord		2.00
(800 ready now)		
400 Aristocrat		6.00
3000 The Queen		2.00
500 Harlowarden		2.00
900 Prosperity		2.00

THE H. WEBER & SONS CO., Oakland, Md.

TAKE NOTICE

CARNATIONS, from soil and every one a growing plant, quality A. No. 1. Pink Lawson, per 100, \$2.00; per 1000, \$18.00. Queen, per 100, \$2.00; per 1000, \$18.00. Fair Maid, per 100, \$2.00; per 1000, \$18.00. Harlowarden, per 100, \$2.00; per 1000, \$18.00. Estelle, per 100, \$2.00; per 1000, \$18.00. 250 at 1000 rate. Also DRACAENA INDIVISA, 3 in. pots, strong, \$4.00 per 100. Cash, please.

MOREL BROTHERS, 624 East Market St., SCRANTON, Pa.

CARNATIONS

25000 Winsor	100	1000
25000 White Enchantress	\$6.00	\$50.00
10000 Enchantress	2.50	20.00

IMMEDIATE DELIVERY. Splendid stock. Satisfaction guaranteed. Other varieties on application.

WHITE BROS., GASPORT, N. Y.

CARNATIONS

White Enchantress, Beacon, Winsor Now Ready. Strong rooted cuttings. \$6.00 per 100, \$50.00 per 1000.

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1741 No. 18th St., PHILADELPHIA

Rooted CARNATION Cuttings

CUTTINGS are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

WHITE PERFECTION	100	1000
WHITE LAWSON	\$3.00	\$25.00
QUEEN LOUISE	2.00	18.00

WINSOR	6.00	60.00
ARISTOCRAT	6.00	50.00
ROSE PINK ENCHANTRESS	3.50	30.00
ENCHANTRESS	2.50	20.00
HELEN GODDARD	2.50	20.00
LAWSON	2.00	18.00

BEACON	5.00	50.00
VICTORY	3.00	25.00
ROBT. CRAIG	3.00	25.00

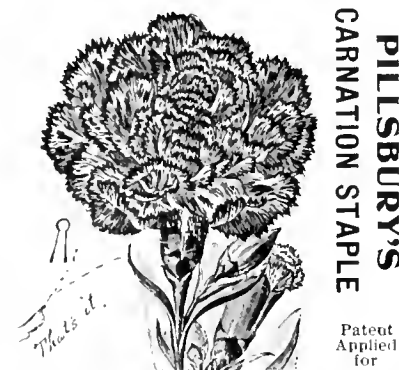
HARLOWARDEN	2.00	18.00
MRS. PATTEN	2.50	20.00

Add \$1.00 per 100, \$10.00 per 1000, to above prices for 2-in. pot plants.

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AFTERGLOW \$12.00 per 100
LLOYD (from 2-in. pots)
"SPLENDOR" (Stevenson Bros.), a very promising variety, \$10.00 per 100; \$75.00 per 1000. Prompt delivery.

S. J. REUTER & SON, Inc., Westerly, R. I.



The best, cheapest, quickest, simplest and easiest way to fix your Split Carnations. No tools required.

Only 50c. per 1000, postpaid

I. L. Pillsbury
Florist, GALESBURG, ILL.

CARNATIONS

WINONA. The true pink. \$12.00 per 100; \$100.00 per 1000.

Red Chief	100	1000
Aristocrat	\$5.00	\$40.00
Winsor	6.00	50.00
Beacon	6.00	50.00
White Perfection	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Enchantress	3.00	25.00
Lady Bountiful	3.00	25.00

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LAFAYETTE, IND.

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Strong Rooted Cuttings now ready \$12.00 per 100; \$100 per 1000.

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(Priglotator)
Station F. - CINCINNATI, O.

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ONLY THE BEST VARIETIES
SEND FOR OUR LIST

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A. T. PYFER, Mgr. JOLIET, ILL

THE AMERICAN CARNATION
Price, \$3.50
A. T. DE LA MARE PTG. & PUB. CO. LTD

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on receiving only STRONG and HEALTHY cuttings when you order from US

We have only the NICEST and BEST varieties

Write for further information and prices

The Wholesale Florist of New York
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Grower
Lynbrook, L. I.

Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, Etc.

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New Carnation FAUST (Brilliant Scarlet)

The colors are very rich crimson. The habit is free and continuous, every shoot producing a flower. Blooms borne on long, wiry stems from 24 to 32 inches and over. Price \$12.00 per 100, \$100.00 per 1000. Usual discount on large quantities.

This novelty very fine for Christmas' ductiveness all that can be desired. Price \$6.00 per 100, \$50.00 per 1000. Usual discount on large orders.

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Dear Sir:—We desire to congratulate you on the two varieties of Carnations, GEORGIA, and HARVARD, which you have been sending us. Georgia we consider to be the best white carnation that comes to New York, and can easily sell from 50 per cent. to 100 per cent. more than regular white. Harvard we think to be the best dark red coming here, easier to sell at double the price of any other dark red. With kindest regards, we remain, Yours truly,

TRAENDLY & SCHENCK, Wholesale Florists
Address: JAMES D. COCKCROFT, Northport, L.I., N.Y. Guarantee Satisfaction

STANDARD VARIETIES
Strong, Healthy, Rooted Cuttings

Winsor	100	1000
Rose Pink Enchantress	3.00	25.00
Enchantress	2.50	20.00
Lawson	2.00	15.00
Queen	2.00	12.50
Victory	2.50	20.00
Queen Louise	2.00	15.00
Red Sport	2.50	20.00
Pink Patten	3.00	25.00

The Test ^{is} Tells The Story

When growers, who buy by the hundred the first season, order thousands the next

BEACON CARNATION

Occupies this enviable position. As an all Winter Blooming Scarlet

IT HAS NO EQUAL

Strong, vigorous, healthy cuttings ready now, per 100 \$6.00, per 1000 \$50.00

WINSOR	100	1000	ROSE ENCHANTRESS	100	1000
WHITE PERFECTION	\$6.00	\$50.00	ENCHANTRESS	\$4.00	\$35.00
	1.00	85.00		3.00	25.00

Make all Money Orders payable on NORWOOD, MASS.

PETER FISHER, - - Ellis, Mass.

ROOTED CARNATION CUTTINGS

Ready for Immediate Delivery

Enchantress	100	1000	Victory	100	1000
Mrs. E. W. Lawson	\$1.75	\$15.00	Aristocrat	\$3.00	\$25.00
Boston Market	1.50	12.00	Enchantress	6.00	50.00
Rose Pink Enchantress	2.00	15.00	Winsor	6.00	50.00
White Perfection	2.00	15.00	Beacon	6.00	50.00

CHRYSANTHEMUMS

W. H. Chadwick	100	1000	Golden Chadwick	100	1000
White Bonnaillon	\$2.00	\$15.00	Major Bonnaillon	1.50	12.00
October Frost	1.50	12.00	October Sunshine	1.50	12.00
Estelle	1.50	12.00	Munrovia	1.50	12.00
Clementine Tauset	1.50	12.00	Dr. Engelhard	1.50	12.00
Jeanne Noim	1.50	12.00	Glory of Parille	1.50	12.00

A. F. LONGREN Satisfaction Guaranteed **Desplaines, Ill.**

CARNATIONS. GERANIUMS, ROOTED CUTTINGS

Winsor and Beacon	Per 100	\$10.00	Nutt, Perkins, Doyle, Viaud, Castellane, Poste-
Pink Imperial, Aristocrat	30.00		
Enchantress, J. Haines	12.50		vine and Board. Ready in May at \$10.00
White Perfection, Victory	20.00		per 1000.
Pink Patten, Lawson	10.00		

ASPARGUS Plumosus, ready for three inch now at \$2.00 per 1000.
ASPARGUS Sprengeri and SMILAX ready June 1st at \$15.00 per 1000.

ALBERT M. HERR, - - Lancaster, Pa.

White Enchantress JOHN E. HAINES BETHLEHEM, PA.

Splendid stock and immediate delivery \$6.00 per 100; \$50.00 per 1000.

Write for list of other varieties

JENSEN & DEKEMA,
671 W. Foster Ave., - CHICAGO, ILL.

Is the place to order rooted cuttings of the following varieties for 1908:
John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000
Place orders early for December 2 1907

DAILY AUCTIONS

Every Morning
at Nine O'clock

WE OFFER WITHOUT RESERVE

**PALMS, BEDDING and
DECORATIVE PLANTS,
BULBS, etc., etc.**

From leading **Growers** and **Importers**
In lots to suit the **Wholesale Trade**

TERMS CASH

NOTE: Special preparations have been made to handle exceptional quantities of **Easter Plants**, and the trade is hereby advised that our methods and facilities provide for **prompt delivery**.

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FRUIT AUCTION CO.

Cor. Franklin & Washington Sts.
NEW YORK CITY

P. O. Box 640

Telephone 1512 Franklin

CARNATIONS

Rooted Cuttings; Fine Healthy Stock.
READY NOW:
Wineor 100 1000 \$8.00 \$50.00
White Enchantress 6.00 50.00
Helen M. Gould and Beacon 6.00
Melody 4.00
Dahelm and Estelle 3.00
Mrs. T. W. Lawson, Boston Market and Harlowarden 2.50 18.00
Kingston Pet, darker than Rose
Pink Enchantress, from pots 7.00
Enchantress, Lady Bountiful,
Red Lawson, Variegated Lawson, and White Lawson 3.00 25.00
Plants from pots, add \$1.00 per 100; \$10.00 per 1000 to above prices of Rooted Cuttings.

CHRYSANTHEMUMS

A. J. Balfour, Autumn Glory, Ada Spaulding, Col. de Appleton, Cremo, Collingfordii, Dr. Enguehard, Dorothy Devens, Geo. Kalh, Glory Pacific, Harry May, H. W. Reiman, Ivory, Jennie Nonin, J. E. Lager, J. H. Troy, Mrs. H. Robinson, Mand Dean, Meta, Mrs. Jerome Jones, Miss Minnie Wannamaker, Miss Alice Byron, Mrs. Baer, Mrs. S. T. Murdock, Miss M. M. Johnson, Major Bonaffon, Mad. Fred. Bergeman, Nagoya, Niyeus, Opat, Polly Rose, Pink Ivory, Robt. Huldny, Solette D'October, Thos. H. Brown, Timothy Eaton, Vivian Morel, W. H. Lincoln, White Bonaffon, Mrs. Robt. McArthur, Wm. Duckham, Xeno, Yanoma, Montrovia, V. A. Cabbold. Price from 2 1/2 inch pots, \$3.00 per 100; \$25.00 per 1000. Rooted Cuttings, \$1.50 per 100.

ASPARAGUS

Sprengeri, from 3 in. pots 100 \$5.00
Plumosus Nanus, from 3 in. pots 6.00
Plumosus Nanus, from 2 1/2 in. pots 4.00

VERBENAS

Best Mammoth 100 1000 \$1.00 \$8.00

CANNAS

Strong Dormant Roots in 30 varieties, \$2.00 and \$3.00 per 100; \$18.00 and \$25.00 per 1000.

GRAFTED ROSES FINE STOCK

Killarney, Carnot, Kaiserin Augusta Victoria, Uncle John, from 2 1/2 in. pots, \$2.00 per dozen; \$15.00 per 100; from 3 in. pots, \$3.00 per dozen; \$18.00 per 100.
The Bride, Bridesmaid, Golden Gate, Richmond, from 2 1/2 in. pots, \$2.00 per dozen; \$12.00 per 100; from 3 in. pots, \$2.50 per dozen; \$15.00 per 100.

OWN ROOTS

Killarney, 2 1/2 in. pots, \$1.00 per dozen; \$6.00 per 100.
Richmond, Uncle John, Sunlee, Sunset, Kaiserin, Free. Carnot, from 2 1/2 in. pots, \$5.00 per 100.
Bride, Bridesmaid, Golden Gate, from 2 1/2 in. pots, \$4.00 per 100.

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Ageratum, Cope's Pet, White cap, P. Pauline, S. Gurney, L. Bonnett \$1.00 \$8.00
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Ampelopsis Veitchii, pot grown 8.00
Colene, best bedding and fancy sorts 1.00 8.00
Cuphea Platycentra 1.25
Fuchsia, double and single 2.00 15.00
Feverfew, double white 1.50 12.00
Geraniums, best double and single 2.00 15.00
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Ivy, German 1.50
Moon Vine, truss, white 2.00 15.00
Salvia Splendens and Bedman 1.25 10.00
Salvia, Five early-flowering sorts 1.50 12.00
English Ivy, 2 1/2 in. pots 3.00
Lantanas, 2 1/2 in. pots 4.00
Stevia Compacta 1.25
Stevia Variegated 1.25
Vineas, 1 year, strong 10.00
Vineas, 2 1/2 in. pots, strong 4.00

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The volume is written by a woman for women, in plain, concise language, easily understood, and the book has the special merit of giving directions which can be readily followed, the methods prescribed being of the simplest, and the material suggested to be used easily within reach of all.

12mo., 232 pp.; profusely illustrated, with complete and ready reference index to all plants enumerated. Price, Cloth, \$1.00; Paper, 50 cents.

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We offer Special Inducements to all who wish to handle this book. It is a good seller.

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Table listing various advertisers and their contact information, including names like Adams & Co, Akers H R, Allen J K, etc.

Table listing various advertisers and their contact information, including names like Poehlmann Bros Co, Polkworth & Co, Pulverized Manure, etc.

INDEX TO STOCK ADVERTISED

Table listing various stock items and their prices, including Abutilon, Achyranthos, Adiantum, etc.

Heating. Growers' Problems Solved by U. G. Scollay. How many feet of 2-inch pipe and how many elbows and joints will I need to heat a greenhouse...

As you state a range of temperature of from 50 to 60 degrees, I presume you will be satisfied with 55 degrees, and I calculate on that temperature with the thermometer at 20 degrees below zero; 18 lines of 2-inch pipe will be what you will require...

Contents

Table listing contents of the publication with page numbers, including Birnie at Washington, Books Received, Business Difficulties, etc.

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PIPE Good serviceable second hand. No. 14, 1 1/2 in. 2 1/2 in. 3 in. 4 in. 5 in. 6 in. 8 in. 10 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron. BOILERS one 12 in. grate, new round boiler, will heat 500 sq ft. of glass...

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Greenhouse Wreckers 1398-1408 Metropolitan Avenue, BROOKLYN, N.Y.

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Wishing to do business With Europe should send for the "HORTICULTURAL ADVERTISER"

This is The British Trad. Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses...

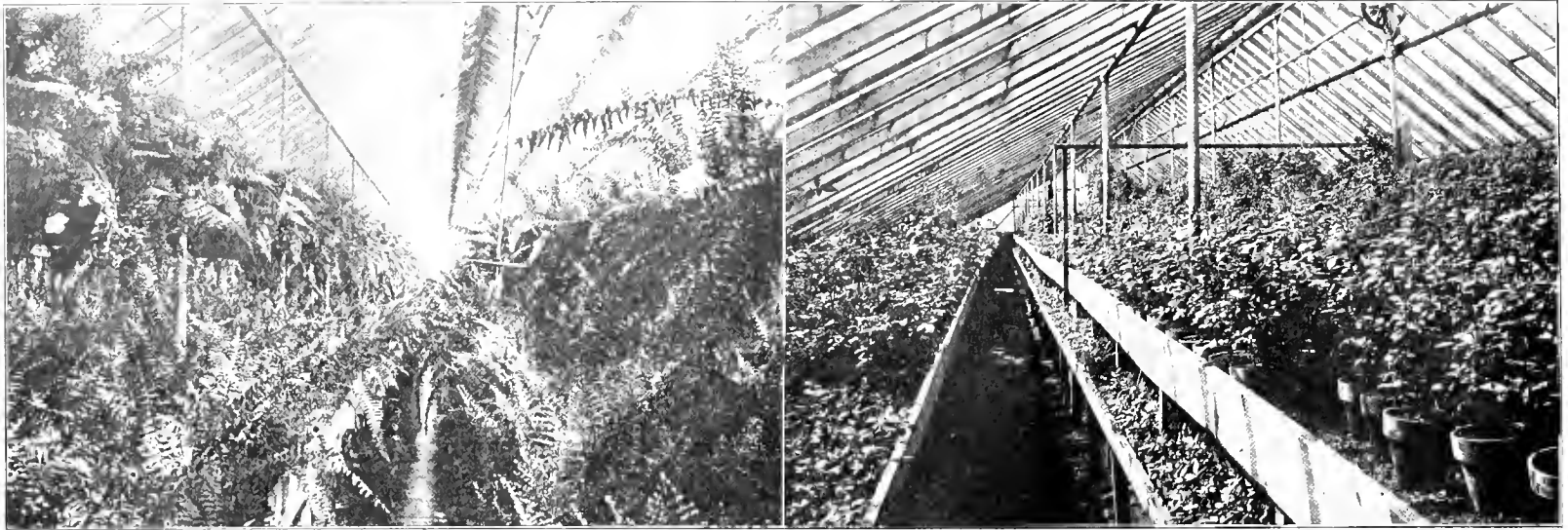
GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

PLANT CULTURE

PRICE, \$1.00. The best book for the plant grower. A. T. DE LA MARE PTG. & PUB CO. LTD. 2-8 Duane St. New York.

VIOLET CULTURE

Price, \$1 50 Postpaid A. T. De La Mare Ptg. & Co. Ltd., New York.



One of Six Houses of Ferns.

House of Hybrid Perpetual, Crimson Rambler and other Roses. Finished Stock.

At Vaughan's Greenhouses, Western Springs, Ill.

AMONG THE GROWERS

Vaughan's Greenhouses, Western Springs, Ill.

There is considerable activity at Vaughan's Greenhouses, Western Springs, Ill., Spring trade having set in quite heavily. The packing and shipping shed, 350 feet long—which divides two ranges of greenhouses, twenty-five in all, each 150 feet long, and running 18 to 25 feet wide—presents an exceedingly busy appearance, in its general trade and mail order departments, every foot of the shed area being constantly utilized for the handling of the large business conducted here.

The stock in the greenhouses is in first-class shape, everything showing unmistakable signs of careful and intelligent culture. An open section of five houses is devoted almost exclusively to ferns, and just now is making a grand showing. The sorts seen are *Nephrolepis falcoides*, *N. Amerpholi*, *N. Scottii*, *N. Whitmani*, and *N. bostoniensis*. Some specimens of *N. Amerpholi* grown in baskets are particularly attractive. In one of the houses is a quantity of well-grown young stock of *Adiantum Farleyense*.

As might be expected there is to be seen a very large and well-grown stock of hybrid perpetual and Rambler roses occupying several houses. In a house filled with potted young stock was noticed at the time of the writer's visit, temporarily located prior to shipment, a standard Crimson Rambler 10 feet high. This was one of a pair specially imported for planting at the gateway to ornamental grounds for train-

ing to a canopy effect. Another house is filled with matured rose stock of all kinds, the varieties including Killarney, General Jacqueminot, La Fiamma, Lady Gay, standard and half standard Baby Ramblers, Liawatha, Débutante, Sweetheart, Tausendschön, Parquhar, Dorothy Perkins, Schneewitchen, Baby Dorothy, Crimson Rambler, Frau Karl Druschki, Olio, Amy Müller, Caroline Testout, Glory Lyonaise, Paul Neyron, Clothilde Souper, American Beauty, Hugh Dickson, White Baby Rambler, Mme. Gabriel Luizet, and Dinsmore. The White Baby Rambler stock makes a splendid showing, many of the larger plants being covered with immense flower trusses.

Among the flowering plants grown for Easter requirements are some genistas of medium size, shapely and well flowered; rhododendrons, hydrangeas, primulas, spiraeas, azaleas, and a nice lot of Queen Alexandra daisies in 4-inch pots. Pelargoniums are a specialty here. There is a nice collection of American varieties; and a number of European kinds which are being tried out for selection. A stock of *Begonia Triomphe de l'Esté* is making a notable showing. This variety commences to bloom in February, and is about at perfection by Easter. They were brought into the house last September in 2-inch pots and are now in 5-inch pots, a mass of flowers which do not seem to drop like those of other varieties. *Begonia Gloire de Sceaux* is also seen to advantage. Several houses devoted to bedding and soft wooded plants look well, the coleris and salvias making a brilliant show. The latter run from 2-inch to 3-inch pots, the larger in full bloom. Verbenas are done well here. There is a large stock in 2-inch pots ready for potting into 3-inch, and to be sent

out as nice branching plants. Geraniums are, of course, to be seen in quantity and great variety. There is a nice house of young chrysanthemum stock, and part of a bench is reserved for plants to be exhibited at the National Flower Show next November, which already are well advanced.

There is a fine house of cannas, with plants in various stages. A house of finished general stock includes some grand specimen plants of rhododendrons, genistas, palms, hanging baskets of *Asparagus Sprengeri*, and *Ardisia crenulata*. Some well-flowered standard plants of *Prunus triloba* are also to be seen.

A house of mixed stock all graded to the concern's catalogue is interesting as forming part of the system employed to take care of mail orders.

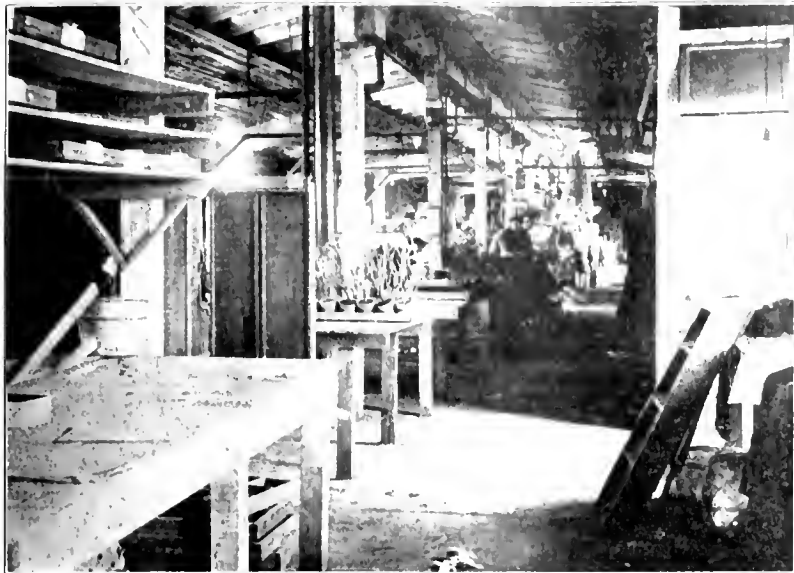
A section covering three houses is devoted to decorative plants. Here are to be seen a large stock of kentia seedlings and kentias in various sizes. *Phoenix Rehelenii* is noticed in good commercial sizes, and is much liked here for its growing qualities—it is also a favorite with the customers of the house. There is a nice collection of crotons, and an excellent lot of *Ficus pandurata* in sizes from 4-inch to 10-inch pots. *Dracaenas* are grown in the leading varieties, the stock including several fine specimen plants. An attraction is found in what has been called *Dracena gloriosum* for purposes of distinction, experts so far having failed to determine its proper name. It is a beautiful broad-leaved variety, with variegations running from light yellow to red; very handsome. The original plant came with a lot of imported canes of *Dracena terminalis*. *Araucarias* and *Pandanus Veitchii* were also noticed in good shape.



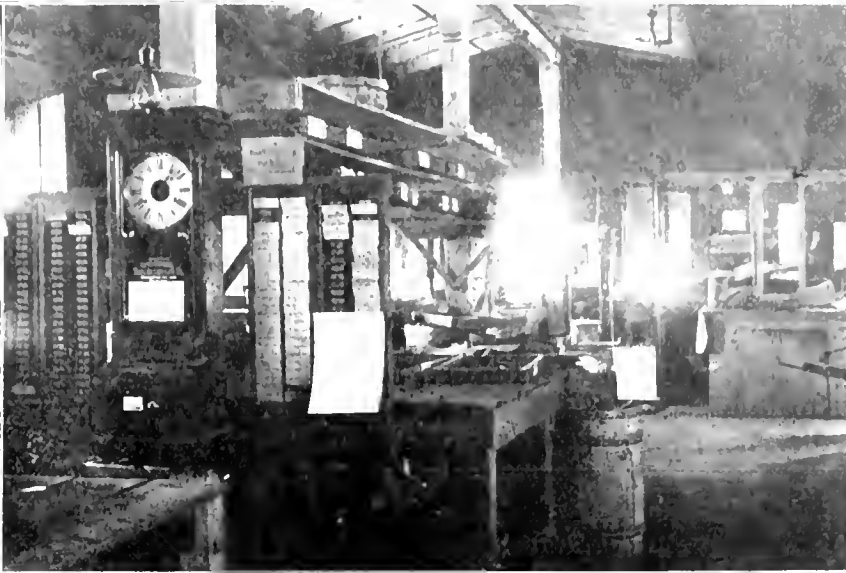
Chrysanthemum Plants. Advanced Stock at the right is for exhibition at the forthcoming National Flower Show.

Part of a House of Crotons.

At Vaughan's Greenhouses, Western Springs, Ill.



Packing and Shipping Room.



Showing Office Department and Timekeeping System.

At Vaughan's Greenhouses, Western Springs, Ill.

A large shed running from the main one is 250 feet long, and has a 75-foot extension. This is used for the storage of shipping boxes, flats, pots, and other necessaries. The basement of this shed is used for the storage of dormant and other stock, and just now is an important part of the establishment. A carload of box trees has just been put into stock, the lot being described by Mr. Wilson, the manager of the establishment, as the best ever received. *Retinispora pl. aurea* was noted among the stock of conifers. It is in both bush and pyramid form. The bushes have 25- to 30-inch heads, and are 18 inches in height. The pyramids are 4½ feet high. The variety is a light yellowish green in color, and the specimens unusually shapely. For contrast with somber plantings it should prove a grand introduction. Many of the specimens received have been already sold. J. H. P.

maximum of the Odier type, *Medeola asparagoides* (smilax), etc. The medeola at that time was largely used in Germany, especially for hanging baskets and vase work. But America then was not on the jump to hail anything new. In many cases the imported plants were disposed of at prices far below their value. Brethren in the business called frequently and admired the collections and in not a few cases carried away stock. In this way the smilax got scattered, and in 1872 or '73 news came from Boston that the plant was being grown on strings for use, as is in vogue to-day. There is no doubt but that smilax was first introduced into the United States by the firm of Kretschmar Brothers & Company.

"A well informed plantsman advised the firm about 1867 that it would starve if it waited for sales of that class of stock, as the public was not yet educated up to its use. As a consequence most of the valuable plants found their way to the dump heap, and the growing of a general line of bedding plants, together with the production of cut flowers, as carnations, bouvardia, heliotrope, eupatorium, etc., was resorted to.

"One of our new oleanders (*nerium*) was grown in sizes that realized from 50¢ to \$3 per plant wholesale. Tuberoses were forced in the greenhouse for the months of May and June which brought \$5 to \$6 per hundred, and found a ready sale. General Jacqueminot roses, developed in the open ground with endless numbers of buds, taken up with balls of earth and potted in good sized pots, sold for from 50¢ to \$1.50 each. Our good azaleas, flowering in March, were disposed of at half the price they bring to-day.

"For years the *Tettani amaryllis* was increased; stalks realized 25¢, and plants sold at from 50¢ to \$1, but sales were few.

"From 1870 on, the love for flowers and the call for them was on the increase, with little satisfaction as to supply. Bouvardias, which had been grown for flowering, were cut back by New Year's, raised, propagated and potted into 3½-inch pots and later repotted into 5-inch

pots. After a few years these bouvardias were given 6 and 7 inch pots, and made large plants by Spring with numberless clusters of flowers. Plants were sold at from \$4 to \$8 per dozen.

"About 1871 or '72 a new double geranium of a very brilliant scarlet was put on the market under the name of Summit of Perfection. Introduction sales at \$1 apiece were few, but when the next year the plants were thrown on the market by the thousands, everyone who had an eye for something beautiful made a scramble to put in a stock for propagation. After another year standard geraniums, 3½ to 4 feet high, were raised. Imagine the grower, who in those days supplied the wants of Canal street market, opening his eyes, when the first lots of about two dozen standards of Summit of Perfection found their way into that market one night, a sheer mass of fiery scarlet flowers, with not a leaf visible! Just before unpacking time, before daybreak, every seller and buyer collected around the wagon, not believing what they saw. After unpacking the plants soon disappeared at \$3 each. *Fuchsia speciosa* sold at \$2 to \$3. *Fuchsia Elm City*, grown to standards, realized 75¢ to \$1 and more. Azaleas, a white variety of our production, were grown in large numbers, in medium-sized plants, and 5-foot standards, more than three feet in diameter. About a hundred of them served the then firm of Hanft Brothers in their annual decorations for the Arion Ball at Madison Square Garden.

"In those days *Vinea major* was more or less grown by some in small numbers, through the tedious process of propagating by cuttings. We gathered seed and produced with comparative ease thousands each season in various sizes. Meantime the late Julius Kretschmar interested himself hybridizing petunias, and as a result, every year or so, new varieties of beautiful doubles were added to the list of older ones. Plants raised in from Finch all the way to 6-inch pots brought \$8 per dozen for the latter and retailed for \$1.25 to \$1.50 each.

"There is yet living proof to be obtained as regard the truthfulness of these statements."

Reminiscences of a New York Plantsman

Herman G. Kretschmar of the former firm of Kretschmar Brothers, florists, Flatbush, N. Y., among the pioneer plant and cut flower growers for the New York market, recently furnished The Florists' Exchange with a few reminiscences of market conditions and prices as these existed at the time the firm first engaged in business, some 45 years ago. The particulars he gives will, we feel sure, be read with interest by present day growers.

"My father, who was in business in Germany, brought with him when he came to this country in 1861, most of the then novelties of Europe in seeds and plants: There was the choicest collection of Odier pelargoniums, including Lady Pollock, a large collection of azaleas, hybrid roses, a few new oleanders, laurestinus, amaryllis, among which was the famous *Tettani*, *Ficus elastica*, two large collections of the best dahlias, palms in variety, gloxinias, divers stove plants, etc.

"Among the seeds were those of asters, *Viola tricolor*



House of Young Rose Stock; also Showing a Standard Crimson Rambler 10 feet high.



House containing Miscellaneous Easter Stock.

At Vaughan's Greenhouses, Western Springs, Ill.

FOUNDED IN 1888



Weekly Medium of Interchange for Florists, Nurserymen
Seedsman and the Trade in General

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THE NATIONAL FLOWER SHOW, under the auspices of the S. A. F. O. H., will be held at Chicago, November 6 to 15, 1908. William F. Kasting, Buffalo, N. Y., is chairman of the show committee.

BOOKS RECEIVED.

FERNS AND HOW TO GROW THEM, by G. A. Woolson. Publishers, Doubleday, Page & Company, New York. Price, \$1.18 postpaid. Garden Library Series. Illustrated.

This is a practical and interesting volume, written by a man who knows and loves ferns. After treating on the various structural parts of the plant, the author tells where hardy ferns can be grown, mentioning as ideal places "a ledge or a pile of rocks, a shaded bank, a bit of swamp and a brook, with consequent irregularity of surface, where the gardener may successfully simulate Nature." Comments are made on growing ferns around the house, soils and their making, and some valuable information imparted on moving and establishing mature specimens, transplanting, etc. Ferns in the mixed border are likewise fully treated upon, and the sorts best adapted to this work enumerated. Rockwork for ferns next receives attention, such matters as soils, species suitable for this purpose, together with other accompanying plants, being intelligently dealt with. An interesting chapter is furnished on hardy ferns for indoor culture and how to select them, receptacles, fern dishes and such like being specified and described. The best ferns for a living room during Winter and their treatment, fern rockeries indoors, culture under bell glasses and in the Wardian case, with illustrated instructions as to how the latter are constructed, all receive attention, as does the subject of growing exotic ferns without a greenhouse. There is likewise a chapter devoted to "Aerial Fern Culture," in which the popular fern ball and other ferns are touched upon and pictured. The book closes with an enumeration of ferns for special purposes, being a handy classification of the plants specified in the text.

The volume is profusely illustrated, and should be in the hands of every florist cultivating the plants with which it deals. Particularly will it be found of greatest service to the retailer, who may, with safety, recommend it to his customers, for the sound advice and instruction it contains.

Copies of the work can be obtained through the publishers of The Florists' Exchange at the price mentioned.

Society of American Florists and Ornamental Horticulturists.

Annual Meeting of the Executive Board.

The executive board met at the Prospect House, Niagara Falls, N. Y., March 23 and 24. President Traendly and Messrs. McClure, Hallock, Wirth, Farquhar, Asmus, Young, Stewart and Rudd were present. Messrs. Kasting and Cowell were appointed to fill the vacancies caused by the absence of Mr. Murray and Mr. Beatty. The usual routine business was transacted.

The program for the August convention was discussed and the main features decided upon, the details being left as usual to the president and secretary.

As the charter provides that the main office of the society shall be in the city of Washington, the president was instructed to appoint an official representative of the society in the city of Washington who should maintain such an office.

Mr. Hallock was appointed a committee to revise parts of the proceedings relative to school gardens, to make such additions thereto as seemed advisable and put them in shape for publication for general distribution, carrying out recommendations made by the society.

It was resolved that the president of the society be authorized to offer the silver and bronze medals of the

and therefore the board could not concur, and the matter was referred back to the society for further consideration. It was the sense of the executive board that it was neither feasible nor desirable for this society to attempt to fix the commercial value of any plant or flower under present conditions.

In view of the fact that it would soon be necessary to republish the by-laws, the committee discussed them in detail and recommended certain amendments to be submitted to vote at the next convention, most of them being merely verbal corrections.

An examination of the treasurer's report showed that the society now has in its permanent fund about \$5,300 and nearly \$4,000 in its general fund. This showing was very gratifying to the members of the board and it was believed it would also be pleasing to the members in general.

The members were more than pleased with the hearty and cordial manner in which the local people assisted them in their work and especially with the manner in which Mr. Cutler more than redeemed all the promises made at Philadelphia.

Practically the entire lower floor of the Cataract House has been placed at the disposal of the society as well as the grounds adjoining. This will give ample space for the trade exhibit and the meetings under one roof and on one floor, and will also give room for the planting of flower beds for the exhibition of plant novelties. Mr. Isaacs, the proprietor of the Cataract and International Hotels, assured the committee that he would be glad to have any such planting done and would furnish without charge a competent gardener to care for the plants up to exhibition time. As these accommodations are all furnished without expense to the society, it would seem that the financial results of the convention at Niagara Falls must necessarily be better than ever before.

Following the custom of some years past the accrued interest on both the permanent and general funds was ordered added to the reserve fund.

George W. McClure was appointed chairman of the committee on sports, and J. R. Cloudsley was appointed as a member of that committee, the third member to be announced later.

Mr. Ewing and Mr. Philpott of the Canadian Horticultural Association met with the committee on the last day and arrangements were partially completed for joint sessions of the S. A. F. and the Canadian Horticultural Association, details being left to be settled at a later date. The question of international games was left to the sports committee. It was decided that the bowling games should be held at Buffalo during the last day and evening.

The final resolutions which were adopted with enthusiasm expressed the appreciation of the board for the "many courtesies shown us by everybody we came in contact with during our visit." Ex-Mayor Cutler, Mr. Isaacs of the International Hotel Company and Major Butler of the Natural Food Company and ex-President and Mrs. Kasting were personally thanked in the final resolutions, both for assistance offered and hospitalities extended, and the board adjourned more than pleased with the kindness and courtesies shown and with the highest anticipations for a successful and enjoyable convention.

It should be noted by the members of the S. A. F. that Mr. Isaacs offered, in case enough early reservations of rooms were made at the Cataract House, to reserve the entire hotel accommodations of the building for the members of the S. A. F. If this offer be taken advantage of, it will result in an ideal and unique situation in the experience of the society—trade exhibition, meeting hall and hotel accommodations all under one roof. The rates are from \$3 to \$5 per day, American plan, that is, meals included.

W. N. RUDD,
Secretary.

Alderman Peter Reinberg Re-elected.

Peter Reinberg, the well-known Chicago cut flower grower, was on Tuesday last elected for the third time to the Board of Aldermen of the City of Chicago, with a good majority. Mr. Reinberg received the nomination of the Democratic party, and his nomination was indorsed by the Municipal Voters' League, the United Societies, and the press, on account of his record for square dealing and devotion to the best interests of the city, even in measures at times conflicting with private interests of his own. The Republican party of the twenty-sixth ward, the ward returning Mr. Reinberg, put up a hard fight, but the esteem in which Mr. Reinberg is held by the residents of the ward, and his record, were amply sufficient to assure his re-election.



Peter Reinberg, Chicago.

Re-elected for the Third Term to the Board of Aldermen.

society at the horticultural exhibitions in this country for new and meritorious plants or flowers of American origin, provided that he is convinced that the exhibition at which they are proposed to be offered, shall be more than local in scope and of sufficient extent to warrant recognition by this society. No more than one medal to be awarded to the same plant or flower.

Charles H. Keitsch of Buffalo having been nominated by the Buffalo florists was elected superintendent of the trade exhibit.

The secretary was instructed to correspond with the Census Bureau with a view to having the method of obtaining the census statistics in so far as they relate to floriculture more carefully considered and that certain changes be made which will render the results more reliable and more valuable.

Considerable attention was given the action of the society regarding the nomenclature committee and registration, and it was the sense of the board that the following out of the proposed course would entail an indefinite but large expense on the society in the future

The Golden Rule in Business.

A contributor to the Saturday Evening Post, desirous of ascertaining whether the business world was growing worse or better; whether we are living in degenerate or regenerate days, addressed the subjoined inquiries to a number of American merchants, and from the responses received he has been impressed with "the high purpose and idealism revealed in almost every reply * * * They also reveal a high standard of business honor."

The questions were:

1. Is the Golden Rule practical in the business world? If not, why?
2. Are there any commercial methods sanctioned by trade which do not square with the teachings of Christianity? For example, must a man lie or misrepresent to succeed?
3. What, in your observation, are the great evils, if any, in the business world?
4. Are standards higher or lower than when you entered business?

Among those sending responses was W. Atlee Burpee, Philadelphia, who answers the questions propounded as follows:

1. The Golden Rule is not only practical in the business world, but is an absolutely necessary foundation for any permanent success.
2. It is no more necessary for a successful merchant to lie or misrepresent than it is for a successful minister of the Gospel. In fact, any houses that are known to misrepresent will so quickly lose the confidence of their customers that their trade cannot be permanent.
3. It would be difficult to point out any great evils in the business world to-day so far as general merchandising goes, other than those which have had sensational exposure and which were really a vindication of business as it is conducted by the majority of business men.
4. Speaking for my own line of business in particular—and this is the same, I believe, in business in general—standards are higher to-day than when I started in 1876.

Mr. Burpee's statements will, we think, be accepted as fully meeting the querist's requirements in a general way.

The list of seed houses and concerns connected with other branches of the horticultural industry, some of them in continuous operation for from over a century down to forty, fifty and sixty years, prove that the Golden Rule "the absolute necessary foundation for any permanent success," must have pervaded the transactions of all these firms; and that their business standards were and are such as enabled and still enable them to persist and to keep abreast of modern competitors, whose standards are said by Mr. Burpee to be "higher than when I started in 1876." This is something of which any industry might well be proud, and we think the fact worthy of this particular mention.

We do not believe, however, that the so-called higher business standards of to-day have arisen altogether from any voluntary individual effort at regeneration of trade ethics. The modern merchant in horticultural lines is, to a very large extent, supervised by the operations of our trade organizations, and he must "hew to the line" closer than did his predecessors, who, being less (or none at all) held in check by such bodies, are deserving of all the more credit for their correct business methods that made for the permanency and continuity of their respective houses. And, too, the better education of the public of to-day in matters horticultural contributes its quota toward the regeneration or reformation of business ethics, consequently to the higher standard said to exist now.

There are, however, even to-day too many known instances, where neither the Golden Rule nor any other elevating basic principle, permeates trade transactions. There is still with us the "foul competitor," so forcefully and fully designated and described recently by Mr. Skidelsky; and, we presume, he will remain as long as "man alone is vile." It is natural, however, to suppose that his number will become smaller as the standards of trade ethics ascend; and that if his own unworthy practices do not drive him from business circles, the greater improved moral force with which he is surrounded and must of necessity contend against will ultimately make it impossible for him to exist. And no one will regret his complete extermination, for than the "foul competitor," in any line of business, no baser being ever trod this fair earth of ours.

PUBLICATIONS RECEIVED.

THE WESTERN NEW YORK HORTICULTURAL SOCIETY. Proceedings of the fifty-third annual meeting held at Rochester, N. Y., Wednesday and Thursday, January 22 and 23, 1908.

A most interesting publication, replete, as usual, with valuable information. The report is illustrated, and we observe that this year the portraits of the various essayists are presented with their respective papers. A considerable feature of this document is the publication of brief obituaries of the members of the organization who have died during the year. The membership list is a long one and continues growing. At the annual meeting a suggestion was made by Editor Collingwood of The Rural New Yorker that the society erect its own building in Rochester, which was characterized by President William C. Barry as a "happy undertaking, and something for this society to look forward to." The present report, like its predecessors, reflects great credit on John Hall, the efficient secretary of the society.

OUR READERS' VIEWS

Parentage of Carnation Mrs. Lawson.

Editor Florists' Exchange:

Your correspondent Job says I err in stating that carnation Mrs. Thomas W. Lawson was a cross between Tidal Wave and Daybreak, but this is not so. "Van Leeuwen" was simply Tidal Wave re-named, which fact is well known to many growers. ROBERT CIVATO.

Job Doesn't Know Scripture.

Editor Florists' Exchange:

Such a man as your critic Job, who says "I like correct quotation above everything else," should be more familiar with the Bible, before he draws his illustrations from it. In his Reflections on Current Topics, he writes, "The Scripture distinguishes friends from flatterers, when it declares faithful are the wounds of a friend; such a friend as Nahum was to David, for instance." The fact is, that David was dead probably 300 years before the Prophet who foretold the overthrow of Assyria was born. JAMES BONNYMAN, Warwick, N. Y.

That Hydrangea Question Again.

E. Y. Teas, Centerville, Ind., writes us briefly concerning the communication of Fred. H. Lemon, which appeared on page 311 of The Florists' Exchange of March 7, 1908. Mr. Teas asserts that some of the charges made by Mr. Lemon against him in that letter are not in accordance with the facts, and regrets that the discussion has resolved itself into personal attacks which have no bearing on the main point at issue. He hopes Mr. Lemon will modify or correct the statements made by him, to which he has called his attention in a private letter to that gentleman.

Editor Florists' Exchange:

I believe, Mr. Editor, that an apology is due from me to the readers of The Florists' Exchange and to the Editor, for my share in cumbering the columns of that valuable paper with matters which cannot be of interest to outside parties. Except for this note I shall under no condition answer any assertion made by Mr. Teas, as I do not desire to continue a discussion which certainly has no place in the horticultural press.

My previous article was true as to all salient points, but such discussions do not interest readers, and I shall not continue this one publicly. FRED. H. LEMON.

Formosa Liliun Longiflorum.

Editor Florists' Exchange:

As we are the original introducers of the Formosa Liliun longiflorum we think it will be of interest to your readers to state some facts about these bulbs, as there seems to be very little knowledge as to the origin of this comparatively new type of lily.

As the Liliun longiflorum business is of the greatest importance for our concern in Yokohama, Mr. Uhei Suzuki, the founder and president of our company, did not spare either expense or trouble to bring a lily on the market that could compete in earliness with the Bermuda L. Harrisii. New plantations were started on different islands in the southern part of Japan, with stock from our regular plantations in the vicinity of Yokohama, but they only resulted in entire failures and large loss of money, because, although the lilies produced good bulbs, they did not give the desired results when forced. Finally, Mr. Suzuki discovered on one island a lily of the longiflorum type growing wild. He had the bulbs collected and cultivated in the same way the cultivations are made on the mainland. They proved to be a success, but we had to wait for the results of forcing them in the United States. Three years ago we received the first six cases in miscellaneous sizes of this stock and they turned out excellent. The following year about sixty cases were consigned to us and again gave such satisfaction that we cabled to our Yokohama house to plant as many as possible. As a result we received over 300 cases last year and expect over 2,000 cases the coming season.

The Formosa lily blooms in the month of February on its native island, or about two months earlier than the Bermuda L. Harrisii. The bulbs are thoroughly ripened the end of May when shipments will commence, which we count on reaching New York the end of July or beginning of August. The long rest the bulbs have until they can be potted will be decidedly in their favor. The Formosa lilies should not be forced as hard as the Harrisii lilies, otherwise they grow too tall.

Nothing need be said about the quality of Formosa longiflorum lily bulbs, as they are sufficiently recommended by the growers who have tried them.

THE YOKOHAMA NURSERY CO., LIMITED.

New York.

Obituary

Laurence J. Stuppy.

Suffering a stroke of paralysis at his home, 604 North Eleventh street, St. Joseph, Mo., just one week after he had returned from a trip to the Pacific coast, Laurence J. Stuppy, a veteran florist, died on March 31, 1908.

Born in Ste. Genevieve, Mo., in 1859, Mr. Stuppy moved to St. Joseph with his parents one year later, and had been a resident there since that time. After having been graduated from St. Benedict's College, in Atchison, he learned the drug business, and his first commercial venture was in a drug store on Fifth street, with his brother, J. B. Stuppy. They later conducted a drug store at Sixth and Edmond streets. In 1873 he started a florist establishment, which has been in existence since. He is survived by a widow and six children—two sons, Frank X. and John, and four daughters.

Edward H. Pratt.

Major Edward H. Pratt, president of the T. S. Hubbard Nursery Company of Fredonia, N. Y., died on Wednesday, April 1, 1908. Major Pratt was born in Dansville seventy years ago, and at the outbreak of the Civil War organized a company and with it served through the early campaigns of the Army of the Potomac until after Gettysburg, when with his command he went West and saw service at Chattanooga. He also served as a member of the staff of Fighting Joe Hooker at the battle of Lookout Mountain. Major Pratt went to Fredonia twenty-one years ago to become president of the Hubbard Nursery Company, and served two terms as village president. He was a member of the State Organization of Fruit Growers and of the American Association of Nurserymen. He is survived by one brother, two sisters and three daughters.

Charles Ingram.

Charles Ingram, who was well known as a grower in the locality of Boston, Mass., died Saturday night last suddenly at his home in Wellesley, Mass., heart failure being the cause of death. Mr. Ingram, who was born in Scotland and received his gardening training there, came to this country a number of years ago, first finding employment with the late Charles Evans at Waltham, Mass. He later started in business at Reading, Mass., continuing for some years. He subsequently was in the employ of S. J. Reuter at Westery, R. I., and Reimers of Louisville, Ky. Later he worked for a time in Ohio, but returned to Boston two or three years ago, working for a time with Welch Brothers. He left them to take charge of the Wilson greenhouses at Wellesley, which he left a short time ago going to work for W. J. Dana. Mr. Ingram was unmarried. His only relative in this country is a sister living in New York. J. W. D.

Warren Ewell.

Warren Ewell died at his home on Quincy street, Dorchester, Mass., April 2, of pneumonia after a brief illness.

Mr. Ewell, who was well known in the trade a few years ago, was the son of the late William S. Ewell, who was for many years famous as a florist and gardener in the Dorchester district. His son Warren was brought up in the business and lived in Dorchester all his life. He was associated with his father under the firm name of William S. Ewell & Son. Mr. Ewell was for many years famous as a grower of bulbous plants for the Boston market, his annual output of this stock being very large. He took an active interest in horticultural matters. He was a member of the S. A. F. O. H., Massachusetts Horticultural Society and the Gardeners and Florists' Club of Boston, being one of the original members of the latter body, serving on many of its committees, and for one term was its president. He was 56 years of age and is survived by a widow and step-daughter. The funeral was held from the residence on Sunday afternoon, being attended by many of his former associates in the trade.

The Editor of the Journal of Horticulture, London, Eng., has been obtaining some answers to his inquiry as to whether Scotch gardeners have deteriorated. The gentlemen replying to the question, two of the leading gardeners in the Land of Cakes, believe that the young Scots gardener is holding his own, and is still "a workman who needeth not be ashamed." It is pointed out, however, that "the literary standing of the present-day gardener compares unfavorably with his predecessor, not perhaps his immediate one. But a perusal of the carefully constructed, thoughtful, and truly practical articles which emanated from such men as Donald Beattie, Robert Errington, and Robert Pish, leaves the impression that the place they occupied as journal-writers has not been filled. Barnes of Bleton, too, wrote some of the best, which have never been equalled in the way of being illuminating and original."

NOTES ON WINTER-FLOWERING SWEET PEAS

By J. W. DUNCAN

It is only within the past five years that the growing of sweet peas during the Winter months has developed so that this favorite flower may be had at any time. It is true that before that time sweet peas were grown with more or less success during Winter, but to be developed into the fine flowers of almost any desired color with stems longer than any seen outdoors in the Summer time is entirely another matter.

In the neighborhood of Boston the man to foresee the possibilities of the sweet pea as a florist's Winter flower was William Sim of Cliftondale, Mass., and that he has made the sweet pea indispensable goes without saying.

When this grower first started the cultivation of these flowers the so-called early or Winter-flowering varieties were unknown, but so great strides have been made in the hybridization of these flowers that to-day almost any desired color may be had.

It is just seven years ago since Mr. Sim started growing sweet peas for a Winter crop. The varieties he first grew were the old Summer-flowering types of such varieties as Blanche Ferry, Emily Henderson, Catherine Tracy and Countess of Radnor. Earliest of All, pink, was the first of the Winter types to be grown, followed by Mont Blanc for a white. About three years ago an improvement on Earliest of All came out under the name of Christmas Pink and to-day it is the main crop pink variety. To A. C. Zvolanek, Bound Brook, N. J., belongs the credit of introducing these Winter-flowering varieties, and he certainly has accomplished wonders in a short space of time.

Mr. Sim devotes three large houses to the growing of sweet peas. The first planting is made in the middle of August and flowers picked from this planting about the beginning of October. The second or main crop planting is made about the second week of September and the third or last planting about the beginning of October. Earliest of All and Mont Blanc are used for the first planting. The varieties used for the second planting are Christmas Pink and Florence Denzer, the latter a splendid white which has superseded Mont Blanc. The third planting is composed of many fancy colored varieties which have been found to sell better in Spring than during the Winter months. For the early crop next year Mr. Sim intends growing Earliest of All and Watchung, the latter a white variety which has been proved to bloom very early. Plants for the main crop begin to flower about the second week of January, and for the third crop about the middle of March, which holds on till the outdoor crop comes again.

No change is ever made in the soil in the houses, and the fertilizers used are cow manure and fine ground bone.

A few remarks on the various sorts as we saw them growing a few days ago will without doubt be of interest.

Florence Denzer, which was grown for the first time last year, is certainly a splendid main crop white variety. It is a strong grower; many of the stems which average eighteen or twenty inches in length carry four and five fully developed blooms.

Christmas Pink as a main crop is very fine, but the recessed variety of the same name is a great improvement. It is a much stronger grower and the flowers are much larger.

Le Marquise is a beautiful variety, the flowers being

riety; it is a great yielder, coming into bloom when the vines are only six inches high. The flowers are spreading somewhat after the so-called Spencer type. In short, this is an ideal variety.

Wm. J. Stewart is a dark variety which promises well, but it resembles the Captain somewhat, and it is doubtful if it will prove a greater favorite than that variety.

Mrs. William Sim is a variety of a fine salmon pink shade which, like that of Fisher's Evangeline carnation, is very pleasing under artificial light and is a great favorite with the ladies.

F. J. Dolansky is a pleasing pink variety of the shade of a Daybreak carnation; it is a good grower and will without doubt be a favorite.

Charles H. Totty is a beautiful lavender shade, a very strong grower and will no doubt be one of the best.

Mrs. W. W. Smalley is of a satin pink shade, a good grower, throwing very fine flowers, and although the stems are shorter than those of most other varieties it is so free that it will prove a good commercial sort.

Mrs. George Lewis is a white of the Spencer type, and although the flowers are fine it is not free enough to make it a good commercial variety.

J. W. DUNCAN.



William Sim.

William Sim.

The subject of our sketch first saw the light on June 18, 1863, in the village of Fyvie, Aberdeenshire, Scotland. He is the fourth of a family of twelve children, and all of whom, with the parents, are still living.

Mr. Sim's father was by trade a photographer, but he was also an enthusiastic amateur gardener, and was the originator of several fine varieties of culinary peas and potatoes which were sent out by the well-known firm of Sutton & Sons. No wonder, then, that the younger Sim should have a love for gardening and prove the enthusiast that he has become in after years.

Mr. Sim was only eleven years of age when he started out for himself, and after working for about three years as a farmer's boy he entered the gardens of Dunottar House, near Stonehaven, Scotland, as an apprentice. After serving his term Mr. Sim worked at Rubislaw Park and at Banchory House, two well-known Aberdeen estates.

In the Spring of 1888 Mr. Sim came to America and first found employment with C. F. Johnson at Nahant, Mass. Later Thomas Roland bought out Mr. Johnson and Mr. Sim continued to work for the new proprietor. After six years in the Nahant establishment Mr. Sim made up his mind to start in business on his own account; accordingly he formed a partnership with David Duncan and under the firm name of Sim & Duncan they entered on a general plant and flower trade at Arlington, Mass. After three years Mr. Sim could fore see bigger things ahead, so he retired from the firm and rented the David Allen place at Cliftondale, Mass., on his own account. He continued here for about three years, and still saw expansion ahead of him, so he bought the land where he is now located and at once commenced to build; and although this was only eight years ago the modest small houses that he first started

of a fine violet purple shade; it is a strong grower, of a good habit and many of the stems bear four individual blossoms.

Mrs. Alexander Wallace is a beautiful pea of a dark lavender shade; it has proved a good grower and the flower is of a color that is always admired.

Christmas Captain resembles in color the well-known Captain of the Blues; it is a grand variety and will be one of the favorites.

Jack Hunter is very good, of a light buff color with pink mixture; it is a shade that is very pleasing and the vine is a good grower.

Watchung, as already mentioned, is a fine white va-



Mrs. Alexander Wallace.

Grown by Wm. Sim.

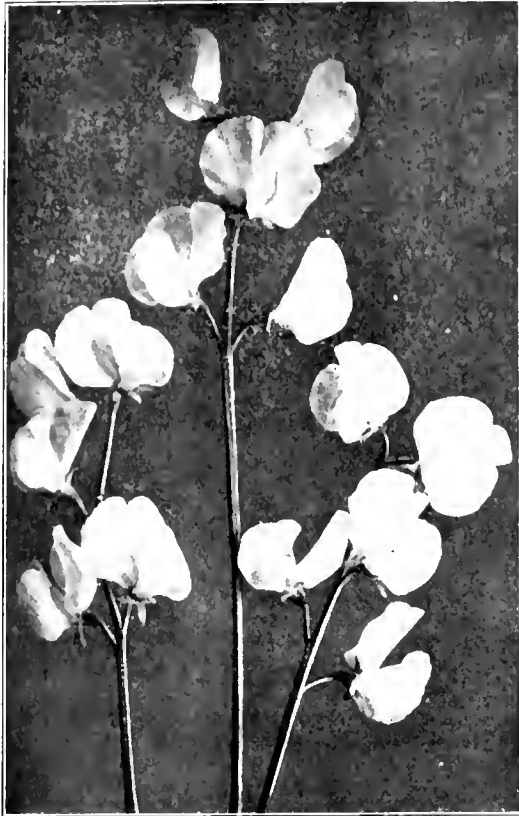


Mrs. William Sim.

Winter-Flowering Sweet Peas.



Watchung.



Sweet Pea Florence Denzer.
Five Flowers on a Stem.
Grower, Wm. Sim.

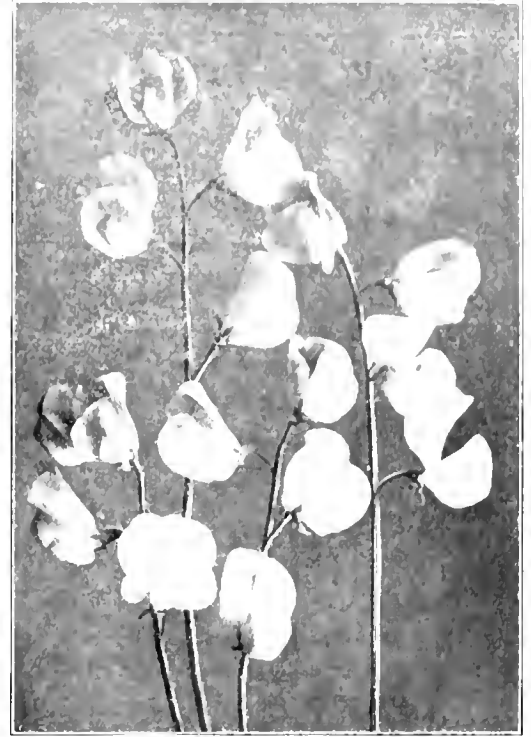
achusetts Horticultural Society, and has taken prizes at the exhibitions of the latter. He has a nice home near his greenhouse, where Mr. Sim and the children are the rulers. J. W. Deary.

Anton C. Zvolanek.

Anton C. Zvolanek, Bonad Brook, N. J., who may be rightfully given the credit for being the promoter and introducer of the now popular Winter-flowering type of sweet peas, was born at Konecuburk, Bohemia, Austria, in 1862. After receiving his education in the schools of his native place, he went to Vienna, where he was apprenticed as a florist to Carl Mennel, having been "bound" for a period of three years. Leaving the place he went to Dresden, Germany, where he acquired considerable experience in the growing of such hard-wooded plants as azaleas, camellias, etc. Returning to Vienna he worked for a short time in the city park, there-



Anton C. Zvolanek.



Sprays of Sweet Pea Christmas Pink.
Grower, Wm. Sim.

with have been gradually added to until there is now an establishment of eleven houses or about 85,000 feet of glass.

When Mr. Sim first started at his present location he grew carnations, chrysanthemums and violets, specializing with crops like candytuft for Decoration Day trade.

Violets, sweet peas and tomatoes are now the crops that are grown exclusively, the latter occupying the houses in late Spring and Summer when there are no violets in them. Some 20,000 tomato plants are grown indoors, and this season out of doors will be grown a field of 40,000 plants all trained to the single stem system.

Mr. Sim takes an active interest in all horticultural matters. He is a member of the S. A. F. O. H., and the American Carnation Society, and attends regularly their conventions. Locally he is an active member of the Gardeners and Florists' Club of Boston and the Massa-

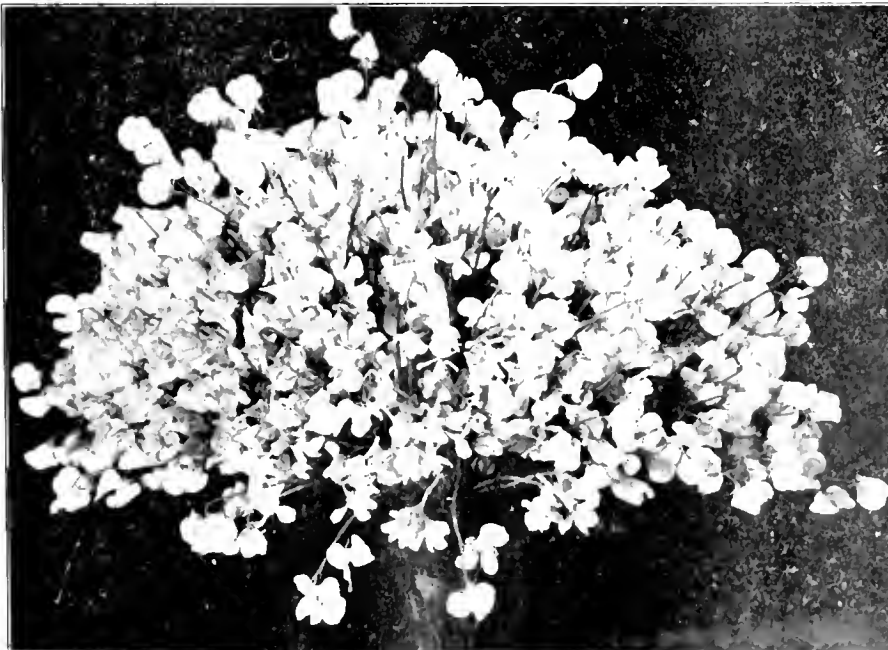
subsequently going to Warsaw, Poland, where he had further experience as a gardener.

Mr. Zvolanek came to America in 1888, first securing employment with Wm. C. Krick, Brooklyn, attending to that gentleman's flower store and doing a general gardening business; in his spare time also assisting in Mr.

Krick's factory for the manufacture of the now well-known florists' letters. Mr. Zvolanek then worked with the firms of Kogge Brothers, West Hoboken, N. J., and Edwell Brothers of Jersey City, later becoming foreman of the greenhouse plant of Thomas Young, Jr., located in Jersey City, and it was while here that his first wide experience in the cultivation of the Winter-flowering sweet peas began. Three houses, each 75 feet in length, were given up to the growing of this crop.

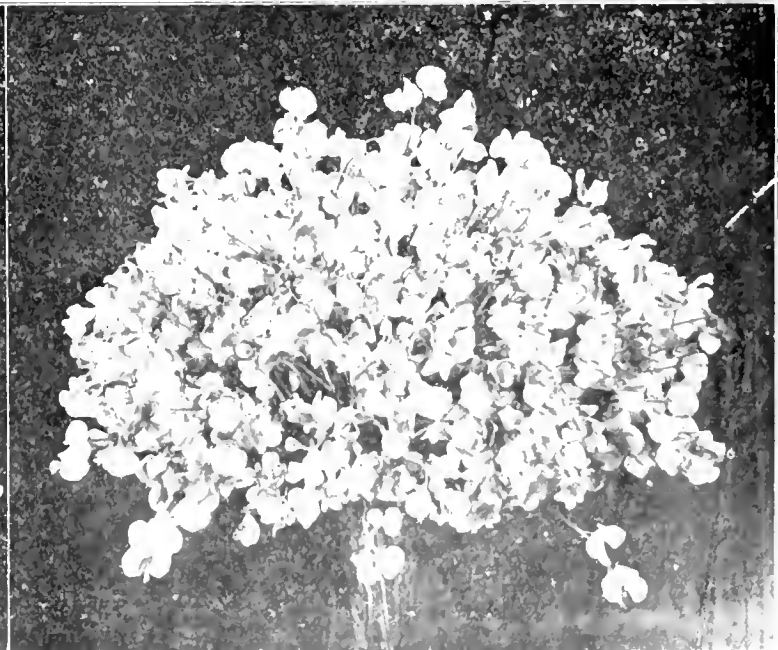
Mr. Zvolanek had been interested in the hybridization of plants generally, and of the sweet pea, in particular, most of his life. He brought with him when he came to the United States some seeds of peas which he had hybridized in the old country, and began the crossing of these with Blanche Ferry. The first seedling came of the same color as that variety, but the plant was only twenty inches high under glass, and produced about ten single flowers. After much crossing and re-crossing with the parent variety, he secured fine, long-stemmed, large flowers, and plants over six feet high, which were covered with masses of bloom all winter. In 1897 he was able

(Continued on Page 51.)



Florence Denzer.

Grower by Wm. Sim.



Christmas Pink.

Winter-Flowering Sweet Peas.



ORCHIDS ORCHIDS ORCHIDS

ORCHIDS

ORCHIDS

The trend of the times is toward PROSPERITY

ALL INDICATIONS POINT TO A BUSY EASTER FOR FLORISTS

TO be really successful and prosperous, it is imperative that we be fully prepared to grasp all the opportunities that present themselves. The old saying "OPPORTUNITY KNOCKS AT THE DOOR BUT ONCE" is all wrong; the contrary has been proven true time and time again. ☞ Easter will be here next Saturday, and there will be a lively demand for cut flowers, especially ORCHIDS. ☞ It is not many years since ORCHIDS were looked upon as a luxury and could only be handled by a few retailers; they have now become a necessity to every retailer who is up to date, because the flower-buying public demand them. ☞ My consignors include growers of the finest ORCHIDS produced in any country, and for Easter delivery I am taking orders for the following superb varieties:

Cattleya Schroederae, C. Speciosissima, C. Mendelii, C. Mossiae, C. Maxima, Coelogyne Cristata, Cymbidium Eburneum, Dendrobium Densiflorum, D. Wardianum, D. Nobile, Odontoglossum Crispum, O. Rossii, Oncidium Sarcodes, Phalaenopsis Amabilis, P. Schilleriana and Schomburgkia.

Among other flowers I can supply in excellent quality yellow and white DAISIES, LILY OF THE VALLEY, GARDENIAS, LILIES, Etc.

THE TIME TO ORDER IS NOW.

JAMES McMANUS

42 West 28th Street

Telephone,
759 Madison Square

NEW YORK CITY

ORCHIDS ORCHIDS ORCHIDS

Notes on Winter-Flowering Sweet Peas.

(Continued from Page 511.)

to send to the New York market several hundreds of fine blooms. This variety is now known as Christmas Pink, but it is to-day a great improvement over what it was in 1897. By crossing Christmas Pink with Emily Henderson he secured in 1895 Miss Florence Denzer, which is among the best of his white sorts. Mr. Zvolanek has continued at his favorite work of crossing sweet peas, and now has one hundred different varieties. He has introduced some fifteen of these, all of which are now well known in the cut flower markets throughout the country. A description of the best kinds is furnished in Mr. Duncan's article on the establishment of William Sim, Cliftondale, Mass., which appears in this week's issue. Mr. Sim is one of the largest growers of the Zvolanek type of sweet peas in the country.

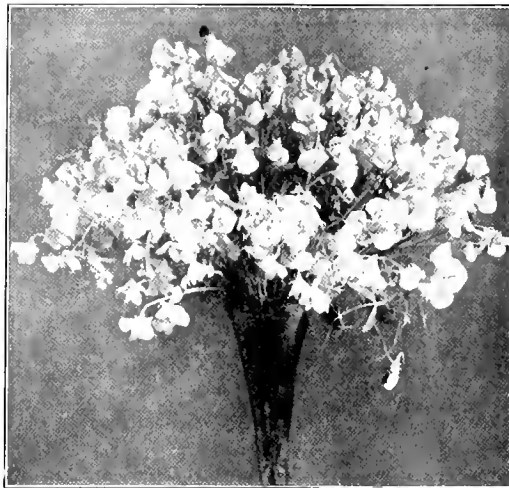
Mr. Zvolanek has under supervision several seedlings which promise to be improvements on those already existing.

Mr. Zvolanek says: "The varieties I consider the best for commercial purposes are Christmas Pink, similar to Blanche Ferry in color, Florence Denzer, white, and Mrs. E. Wild, carmine red; these have proved for years to be the money-makers all over the world. Among the last year's novelties Mrs. Alexander Wallace is at the head; everybody likes it as a lavender. Mrs. William Sim and Mrs. F. J. Dolansky in soft pink, have proved splendid sellers. Le Marquis is best in violet. Meteor is a fine scarlet.

"In the new sweet peas which I intend to disseminate this year (in September) the Mrs. W. W. Smalley is a very fine satin pink, and all the growers who received some of the sample seed, here as in Europe, have spoken highly of it.

"Mrs. George Lewis, the orchid-flowering white, I think will outclass Florence Denzer in a few years, as will several other new seedlings of the orchid-flowering type as yet unnamed."

His supply of seed is grown in California and in Europe. Mr. Zvolanek states that the basis of success with this type of sweet peas is to grow them as cool as possible from the start. He says that even a little frost will not hurt them. As soon as they begin to make buds, the night temperature should be raised to from 50 to 54 degrees; this will prevent the dropping of the buds and develop the flowers. The day temperature should be ten degrees higher; even 70 degrees on warm, clear days will not hurt them. He was formerly an advocate of chang-



Sweet Pea Mrs. W. W. Smalley.
Grower, Wm. Sim.

ing the soil for sweet peas every year, but the success which has attended Mr. Sim's plan of not changing the soil, outlined in Mr. Duncan's notes this week, has convinced Mr. Zvolanek that a fresh supply every year is unnecessary.

Well-grown, long-stemmed sweet pea flowers find a ready market always, and the grower of such will have no difficulty in disposing of them, says Mr. Zvolanek.

Fumigating With Hydrocyanic Acid Gas.

Editor Florists' Exchange:

Much has been published in the various trade periodicals during the past few years upon the subject of fumigating greenhouses with hydrocyanic acid gas. I began experimenting with this gas in February, 1904, and have continued using it at different strengths and under different conditions since that time. My experience has been radically different from that of others who have given theirs, consequently a statement of mine may be of use to some brother florist or gardener.

My first experiment was made upon the strength of information secured from the bulletin of some experiment station, I have forgotten which, and the formula used was 1 ounce of cyanide, 2 ounces of sulphuric acid and 4 ounces of water for each 400 cubic feet of space. Fortunately, I was fearful of the results, and used practically an empty house for the experiment, putting in only such plants as I desired to test the gas upon. The result was that every plant was practically destroyed. I made two other tests upon the basis of the information contained in the bulletin, reducing the amount by a few hundred feet each time, with the same results as before. I then sought further information and found an article in the "Rural New Yorker" giving the amounts of materials to be used as follows: 1 ounce cyanide, 2 ounces sulphuric acid, 4 ounces water to each 2,000 cubic feet of space. I used as directed and found no harm done. I then began using the gas made by combining the above specified amounts of materials, upon tomatoes, for the destruction of the white fly (aleyrodes) and continued its use during the remainder of the season of 1904, with gratifying success so far as the destruction of the fly was concerned, but invariably with some damage to the tender young growths of the plants. I had means for opening ventilators from outside, and the foregoing experiments were all made with the house closed for from five to ten minutes, after which time the ventilators were opened as far as the weather would permit without danger of freezing the plants.

I continued the use of the gas along the lines stated, reducing the amount of materials slightly, and using cyanide from 98 per cent. down to 33 per cent., with varying degrees of satisfaction, frequently damaging the plants treated quite seriously, but generally killing the insects, whatever they may have been. I treated nearly all the different kinds of plants generally grown in greenhouses.

During the Autumn of 1906, having been obliged to fumigate a house with no means for opening the ventilators from the outside, I used the same amount of materials for three thousand cubic feet of space, leaving the house closed and locked until morning. I found the fly destroyed and no more damage than was generally done by making the short exposure with the greater amount of material. I have continued the use of and the experiments with the gas until the present time, and I will summarize the results of my experiments as follows: Hydrocyanic acid gas is the most effective, convenient, cheapest and safest (for the plants) insecticide that I can employ, using it at the rate of 1 ounce of 98 per cent. cyanide of potassium, 2 ounces of commercial sulphuric acid (first quality), and 5 ounces of water for each 3,500 cubic feet of enclosed space, the application to be made at night with the temperature of the atmosphere of the house at or below 60 degrees Fahrenheit, if possible, and the foliage of all plants to be dry, and as little moisture as possible in the atmosphere.

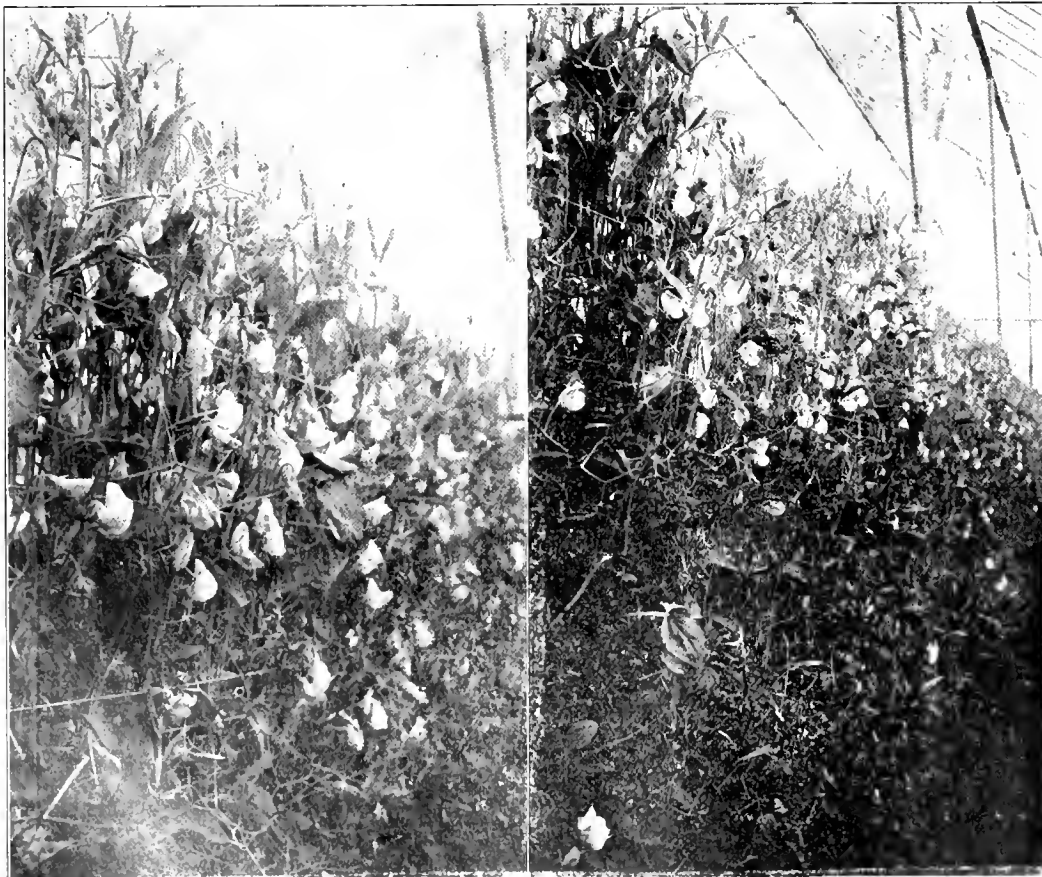
My method of application is to have one 4-quart stone jar for each 7,000 cubic feet of space. The cyanide is weighed, in lots of two ounces each, wrapped in paper and taken to the house to be treated. The acid is then measured and put in the jars, after which the water is added. I might say that one-quart glass fruit jars are probably better than the larger stone jars. When all is ready, I take the packages of cyanide and beginning at the point farthest from exit, I drop the packages in the jars and leave the house immediately. No one should attempt to use cyanide of potassium who does not fully realize its deadly nature. It is one of the most deadly poisons known to chemists. The greatest care should be taken that it is kept out of the reach of not only children, but of careless or thoughtless persons. I permit no one to touch it but myself. While I have no fear of it, I take no chances whatever with it. In placing it in the jars, before dropping the first package, I inhale until my lungs are comfortably filled, and do so no more until I am out of the house. Incidentally this makes good exercise for the lungs, as I can now walk the entire length of a 125-foot house opening and closing two doors, without hurry or inconvenience, with the one inhalation.

I have been obliged to buy my materials in small quantity, consequently they have cost me more than if bought at wholesale. Cyanide costs me 50c. per pound, sulphuric acid, 80 cents per gallon. At this price the cost of one ounce of cyanide is 3½c., and of two ounces of sulphuric acid, 1½c., a total of 4½c. It should be understood that the acid and water are measured by apothecaries' liquid measure.

In the light of my experience, I consider one ounce of cyanide for 2,000 cubic feet as dangerous to the plants, and unnecessary.

I might add that I have tried fumigating for the white fly with Persian insect powder, as recommended by a writer in one of your contemporaries, and found it expensive and unsatisfactory.

I. L. POWELL.



Mrs. Alex. Wallace.

Christmas Pink Improved.

Winter-Flowering Sweet Peas in the Greenhouses of Wm. Sim, Cliftondale, Mass.

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

Retail Florist Advertising.

Probably never before in the history of the retail trade has so much advertising for Easter been done as this year. On Saturday, April 4, 1908, The Brooklyn (N. Y.) Daily Eagle had a four-page illustrated supplement devoted to the florists and seedsmen of the City of Churches, in which was contained a very intelligent article covering the different branches of the business, together with brief histories of the concerns mentioned therein. The retailers and growers rose to the occasion, and a liberal advertising patronage was the reward of the Eagle's enterprise. No doubt the firms advertising will also reap the reward of their business acumen as the Eagle is essentially a home paper, and there are many buyers of flowers in Brooklyn. As the Eagle's contributor says: "Nearly every Brooklyn home must have its window-box or bowl of flowers to be happy, and of cut flowers alone it is estimated that \$5,000 worth changes hands each day in this borough. That of itself is enough to support a goodly portion of the 250 men engaged in the florist business here. There is also a steadily increasing demand for growing plants other than Brooklyn's trade mark, the rubber plant. The importance of the work in commerce may be judged from the average business of any one of the biggest retail stores, which is \$100,000 annually."

Among the several portraits of florists appearing in the supplement referred to is that of Major William P. Stead, one survivor of the officers that escaped out of Libby prison February 9, 1864, through a tunnel. The Major is now a florist, seedsman and landscape gardener at Ozone Park, L. I.

In the Washington (D. C.) Times of Sunday, April 5, 1908, F. H. Kramer, florist, 916 F street, N. W., has a full-page advertisement of Easter lilies and other reasonable offerings.

A Japanese Dinner.

A Japanese dinner decoration by an amateur was an effective though simple affair. It was executed by a gentleman who has spent a great many years in Japan, and can, therefore, be relied upon as being typically Japanese and a good example of dinner decoration in that country. The occasion was a birthday party, the

table being set for twelve cover. The decorator stepped out of a touring car with a collection of mysterious looking boxes and bundles, and immediately took possession of the dinner table. The first package to be undone contained several sheets of dyed green moss; the next a shallow oval tin basin about two feet in diameter and three inches deep; this was placed in the center of the table and banked around with crumpled papers taken off the packages. Several other bundles were placed here and there on the table, which, covered with the sheet moss, formed miniature mountains and valleys.

Other packages revealed ferns, pagodas, huts, bridges, boats and a host of other things which go to make a Japanese landscape. The tank in the center formed the lake; this was covered on the bottom with white gravel; a rugged piece of tufa rock made a perfect island, which was surmounted by a pagoda, with an industrious angler sitting at the water's edge. Diminutive goldfish, and a very young alligator, seemed quite at home in the water. Paths were formed by sprinkling fine gravel over the green moss, a stone lantern being placed here and there, along the walk. Japanese flowering almonds (*Prunus biloba*), in full flower and growing, were placed on the ends of the table and mounded over with moss; wires were stretched from one to the other across the table, on which were hung tiny lanterns; these were fitted with two candle power electric lights; this was the only lighting used and the effect was extremely pretty. Small white mice were used for favors for the ladies; these were imprisoned in small gilded cages. Small turtles were given to the gentlemen, and goldfish were used in the finger bowls. D. RAYBUN.

The Benefits of Hail Insurance.

Secretary John G. Esler of the Florists' Hail Association has received the subjoined letter, which is self-explanatory. Mr. Barick's loss was adjusted and payment made within 15 days.

John G. Esler, Secretary.

Dear Sir: No doubt you have received our claim for loss of glass by hail, which occurred April 1. It was one of the most destructive hailstorms we have experienced, ruining our stock of plants, as well as the glass. Our loss in glass was even greater than the adjusters made it, for they overlooked quite a number of panes that were useless. We were very much in favor of quitting the business right on the spot, but the knowledge of having the insurance to help put the glass back led us to new courage, and a hope that perhaps this would be the last one. I trust that it will be the last. Yours very truly,

Seymour, Ind

M. A. BARICK.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BEOS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLOREST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLOREAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of reasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of reasonable flowers always in stock, delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders, they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.



Window Display of W. J. Palmer & Son, Buffalo, N. Y., during Dog Show Week. The Canine was done in Violets.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

CLASSIFIED ADVERTISEMENTS

Cash with order. Columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants, also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

SITUATIONS WANTED

SITUATION WANTED—As second man; roses and carnations a specialty. Wages, \$15.00 per week. Address, Grower, care The Florists' Exchange.

Thirty cents is the minimum charge for advertisements on this page.

SITUATIONS WANTED

SITUATION WANTED—As head or section man, good, all-around knowledge, 13 years' experience. Specially palms, ferns, chrysanthemums, roses, carnations, general line of potted plants, floral designs. Aged 28. State particulars to C. Thimm, 157 West End avenue, New York City.

HELP WANTED

WANTED—Two young men experienced in greenhouse work; steady work. Apply at once to Louis Dupuy, Whitehouse, L. I.

WANTED

A competent man for designing and packing rooms to take full charge. Must be a first class workman on funeral work and be thoroughly experienced in the retail cut-flower line.

MISCELLANEOUS

WORLD BE OBLIGED if any employer could give me information in regard to Gustav Nelson's whereabouts. He lived in Manhattan, N. Y., six years ago, where he was working as a florist helper.

MISCELLANEOUS

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PLANT CULTURE PRICE \$1.00 THE BEST BOOK FOR THE PLANT CROWER. A. T. DE LA MARE PTG. & PUB. CO. LTD., 2-8 DUANE STREET, NEW YORK

MISCELLANEOUS WANTS

WANTED—A second-hand ice-box suitable for wholesale florist store. Address with particulars, Frank S. Hicks & Company, 52 West 28th Street, New York City.

FOR SALE OR RENT

FOR RENT—A greenhouse property, six rose houses, 100 feet long, propagating house, sheds, etc. Plenty of good soil; near R. R. station. Wm. C. Shuster, Jr., Lansdowne, Pa.

FOR SALE—Five greenhouses, under 20,000 feet of glass, with growing crop of carnations; four acres of ground, best kind of soil; five-roomed and attic frame dwelling, 24x36 feet; good well and windmill; barn, horse and wagon.

FOR SALE NEAR PHILADELPHIA

Nursery and florist business, convenient railroad facilities, very desirable location, greenhouses 8,000 feet of glass, nine-roomed house with all modern conveniences; stable and all outbuildings new and complete, 30 acres of land, 6 planted to ornamental shrubbery, etc.; the greenhouses are stocked with roses and other stock. Price, \$12,500.

NURSERY R. F. D. No. 5, Box 64, Norristown, Pa.

STOCK FOR SALE

SMILAX PLANTS, from 2-in. pots, while they last, at \$1 per 100. Cash with order. Edward Shaw, 526 Keystone Avenue, Sayre, Pa.

SEEDS—SEEDS—SEEDS

Buckbee's Famous "Full of Life" pedigree strains of the newest and best varieties vegetable and flower seeds, etc. If you have failed to receive a copy of Spring Trade List—write for it to-day. H. W. Buckbee, Rockford, Illinois.

FOR SALE

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parselsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

Cultural Directions

Are leaflets written by practical men especially for the use of amateur customers. If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases.

A. T. DE LA MARE PTG. & PUB. CO., Ltd. P. O. Box 1697 NEW YORK

Your Money is well spent when you advertise in THE FLORISTS' EXCHANGE

E. F. WINTERSON CO.

45-47-49 Wabash Ave. CHICAGO

Headquarters for Easter Cut Flowers

We will, as usual, be away up in front with large supplies of **Beauties, Roses, Carnations, Lilies, Bulbous Stock, Greens, Etc.** Send us your *Easter* order early and you can depend on getting it filled to your entire satisfaction. We will ship you the "kind of flowers you want when you want them."

FANCY CUT FERNS We have just received our first refrigerator carload of Fancy Cut Ferns (960,000) from the Pacific coast and have **two more** cars on the way, so we can supply you with all the ferns you will need. We have handled these ferns for several years and know they will give satisfaction. Shall be pleased to fill any order, large or small, **\$1.50 to \$2.00 per 100.**

Our Easter Price List is ready—If you don't get it—Write us

SPRING BULBS—Quality Guaranteed

TUBEROSES

True Dwarf "Excelsior" Strain
First Size Bulbs, 100 \$1.00, 1000 \$9.00

BEGONIAS

Tuberous rooted, single white, yellow, scarlet and pink, doz. 35c., 100 \$2.50. Double white, yellow, scarlet and pink, doz. 60c., 100 \$4.50.

CALADIUMS (Elephant's Ear)

Sound bulbs, live center shoots. Circ. 5-7 inch, 100 \$2.00, 1000 \$15.00; 7-9 inch, 100 \$3.50, 1000 \$32.00; 9-12 inch, 100 \$6.00, 1000 \$55.00; 12 inch and up, 100 \$14.00, 250 bulbs at the 1000 rate

Our London Letter.

BY A. HEMSLEY.

COVENT GARDEN FLOWER MARKET.—Just now we are having a rather quiet time, and some growers must find returns unsatisfactory. The Spring forced roses are at their best; or, at least, most of the varieties. Growers still hold on to the old favorite General Jacqueminot; the blooms are good and the fragrance is better than that found in most reds, but we cannot get long stems with the early blooms. Richmond has been very fine; also Liberty. In Joseph Lowe we have a pink rose that will want some heating for early work. The flowers shown by G. Mount have been remarkably fine, and if other growers succeed as well with it there is no doubt that it will become a leading market variety. I hear it is one of the best growers of all the roses cultivated for early flowering. Mme. Abel Chatenay remains a favorite; there are not many blooms of it seen on the market, but I find that the florists get them direct from the growers, and they are very good. Captain Hayward is another good rose on the market just now; and there is no better white than Kaiserin Augusta Victoria, that is, for long stems. I have rarely seen Niphotos better than we are getting it at present; the only fault is, the stems are not stiff enough, otherwise it is the finest white rose we have.

Best Malmaison carnations remain in favor and have been making 18 shillings per dozen blooms, but second quality flowers are of little value. Mr. Burnett's Marmion has been realizing 15 shillings per dozen blooms. This should be a profitable variety to grow, as it produces more flowers than the Malmaison.

We hear about Mrs. Thomas W. Lawson not keeping up its character, yet I find that from one grower we are getting it better than it was ever seen before, and the growth is perfect. I think that Enchantress requires careful selection for stock; I find that some of the flowers are pale in color, yet from the best growers the color improves rather than otherwise. Winsor is

making headway and all growers like it. I have been trying to make out which is really the best crimson, but from various growers I find a difference. Governor Roosevelt is certainly one of the brightest in color if not quite as large as Harlowarden. In scarlet there is also a difficulty, but I should give first place to Robert Craig and Britannia; and in whites there is no doubt that My Maryland and White Perfection are the best two.

There is a danger of many of the old hardwooded plants falling out of cultivation; even the begonias, which are always appreciated, are scarce this season. The choice sorts of ericas are also becoming scarcer from year to year. We seem to be in too great a hurry for these old favorites now-a-days, but they will be sure to be wanted again later on.

I wonder that the azalea growers do not go in for plants of better shape; most of those seen are too flat. I have noted a few of a more pyramidal form in the market, and I find they make better prices besides selling more readily; even those with a loose branching habit are more appreciated than the dense flat-topped plants.

Pelargonium "Clarinda," a hybrid which has been well shown by Messrs. H. B. May & Sons, may not make an ordinary market plant, yet it is a plant that will sell; the scent and the bright red flowers are attractions which all who have a conservatory will appreciate.

It is remarkable that the hardy deciduous flowering shrubs do not seem to take well in the market; even well-flowered plants of the best lilacs appear to hang, and I find many are spoiled before customers can be found for them.

In my notes appearing on March 7 it should have read that we now have over 1,200 Fellows belonging to the Royal Horticultural Society, not new names added, but every meeting brings a large number of new candidates, and we get crowded sessions at every fortnightly gathering and the displays of all plants in and out of season are well worth a journey to see. But up to the present we have had few really new novelties before the floral committee unless we take orchids, for which there is now a separate committee, and awards for new hybrids have been numerous. Taking last year more awards were given to orchids than all other flowering plants put together. Some years ago it was ferns which received most attention, then pelargoniums; now the latter seem to have quite fallen into the background.

The Echo!

I have been requested by Brother Serik,
To fire to-night a little squib.
My gun is not loaded to kill a bear,
So I point the muzzle anywhere;
But if you get hit by a random shot,
You'll know you are in the delinquent lot.
So mozy right up to Brother Taepke,
Who'll take from you the annual fee.
But if you require the surgeon's art
To extricate the delinquent part,
Dr. Sullivan will apply the steel
And what you owe he'll quickly reveal.
This lagging behind is not just the game
To save our honored, glorious name.
Go down where the big money is to-night,
How much do I owe? I want that right.
The problem that's seeking the working brain
Is how to have all squared up again.
And not lose one from our glorious list,
Though some are far in the hazy mist.
A stubborn donkey hates to be led,
Make haste slowly it may well be said;
Each take a lagging one gently in hand,
Try and persuade him not to disband.
The engine was pulling a heavy load
Up a very steep grade in the road;
The engineer gave a full force of steam,
His credit to save, place to redeem,
But the wheels whirled around on the icy track,
He's not advancing, she's rolling back.
When steam is applied with moderate hand,
The train is found to be at command.
You'll step up to the bar, take a good drink,
Or smoke cigars till you fairly stink.
But when it comes to the paying of dues,
You shrug your shoulders, simply refuse.
Our treasury fund is getting quite low
The exact amount I don't just know,
But there's more standing out than standing in.
Our bank account is getting d— thin.
If we had to pay for rent, heat, light
We would be in a terrible plight!
Bankrupt in few minutes, busted, dead broke,
This is sound sense, boys, not a joke.
There is only one thing to give us relief,
Fix up our credit with us from grief,
And that is a check from each one to date,
Your name will then be wiped from the slate.
Then here's to our future, my heart and hope,
The boys will not be allowed to disband;
And when the next roll is called, by the way,
The boys will all be in the game to stay.
GEO. E. BROWN before Detroit Florists'

Prices Advertised in these Columns are for THE TRADE ONLY—

When Writing Please Mention THE FLORISTS' EXCHANGE.

Original Work Among Wild Roses.

Prepared for American Breeders' Association, by Dr. W. Van Fleet, Little Silver, N. J.

When it is considered that more than eleven thousand rose varieties were listed by Simon in 1906, that countless varieties have fallen out of record, that about a hundred new ones are commercially introduced each year and that of this vast host scarcely fifty, all told, are suited for culture in ordinary American gardens, it will be realized that radical changes in breeding ideals and methods are needed, if the really hardy garden types of roses are to be advanced in public favor. By hardiness is meant not only frost resistance, but resistance as well to fungous disorders, such as leaf mildew and black spot. The latter is the bane of modern rose gardens and effectually bars the outdoor cultivation of scores of the most desirable varieties of the hybrid perpetual and hybrid tea classes. Apparently the only means of overcoming this serious defect and of breeding in new and distinct characters is by the free use of vigorous species and well fixed natural varieties. Something has been accomplished within the last fifteen years by the use of such robust Asiatic species as *Rosa rugosa*, *R. Wichuraiana* and *R. multiflora*, but the surface of hardy rose breeding possibilities can scarcely be said to have been scratched. The work of breeding wild roses by selection and hybridization with kindred species and garden varieties is arduous, slow and affords only an infinitesimal chance for pecuniary returns. The standard of perfection in rose blooms is now high and only those approaching in finish the difficult varieties are likely to be tolerated, even if borne on the most rugged plants.

The writer has been working with native and old-world species for many years with moderate success, but at nothing like the rate of progress that was hoped for at the outset. Native roses are particularly trying, many appearing sterile with any but their own pollen, while others, though susceptible to hybridization, show little change in the cross-bred progeny. *Rosa lucida* rarely perfects seeds when treated with foreign pollen. Out of, perhaps, 1000 pollinations with many species and varieties a dozen hybrids of this common Eastern species with *R. rugosa* and *R. spinosissima* were raised. In the *rugosa* cross the plant is more vigorous and thorny, with larger single flowers and broad shining, but not rugose foliage. The Scotch rose hybrid is of weak growth, with pale imperfect blooms; not promising. Three successive generations of *lucida-rugosa* seedlings, most of them pollinated with other rose species and varieties, have been grown, but no further changes are apparent. *R. lucida* with *R. Wichuraiana*, however, has yielded one of the most robust hybrids we have ever seen, of semi-sarmentose or climbing habit with profuse corymbs of large, single bluish-white blooms. A plant in six years' growth, without support, forms a mound of foliage eight feet high and more in diameter.

No success has rewarded attempts to breed *R. carolina*, *R. Fendleri*, *R. Woodsii*, *R. arkansana* and *R. Sayi*, which latter appears to be regarded as a variety of *R. acicularis*. All are completely sterile to foreign pollen under our cultural conditions. The self-fertilized seedlings of *R. Sayi* vary considerably and superior varieties might in time be developed by selection.

Rosa nitida has proved the most tractable of this type of rose. Very handsome hybrids with single to quite double blooms of good size, ranging in color from light pink to deep crimson, have been secured by first crossing with double-flowering varieties of *R. rugosa* and breeding the hybrids to the most robust hybrid perpetuals. The habit of the latter crosses is upright, with abundant shining rugose foliage and prickly stems. They bloom abundantly in Spring and occasionally during Summer. The fruits are intermediate in size between those of the parent species but endure until late Autumn.

Rosa setigera has been disappointing. There is little difficulty in securing densely double-flowering hybrids of good color, but the plants fall off in vigor and do not maintain effective foliage. A pretty cross or two was made with tea roses, but the plants were tender and very susceptible to mildew. The species is hardy, resistant and deserves further attention, as it is credited with producing *Prairie Queen* and other useful hardy climbers as a result of crossing with noisette roses.

Foreign Species.

Rosa ferruginea produced, when crossed with a hybrid China variety, a beautiful bright pink bloom of moderate size so densely double that it is a veritable pompon, borne on a stout, thornless plant with reddish foliage. Unfortunately this very interesting hybrid is difficult to propagate and may soon be lost.

R. moschata crossed with garden varieties of the Bourbon rose has given some attractive and free-blooming dwarf plants with large single and double flowers, deep

colors of red predominating. There is more tendency to stripings and variegations with lighter colors than in the seedling of any other species.

R. rubiginosa blends freely with many other hardy varieties, but crosses with difficulty, if at all, with roses containing blood of the tea-scented kinds. Several hundred seedlings have been raised, most of them equal, but few superior, to those produced by Lord Penzance of England. A selected *rubiginosa* X Fisher Holmes (hybrid perpetual) grows 10 feet high and produces very brilliant semi-double crimson flowers followed by large clusters of conspicuous orange red fruits.

R. laevigata can be induced to form viable seeds with pollen of a considerable number of species and varieties, but our seedlings, even under careful greenhouse treatment, have not reached the blooming age, though many grow with considerable vigor for a year or two. *R. Wichuraiana* pollinated with *laevigata* has given a hardy and beautiful climbing rose with large shining foliage, and enormous semi-double white blooms, yellow in bud. It is apparently a variety of much value. Seedlings of *laevigata* crossed with the best white teas and hybrid perpetuals are again under way, but are likely to perish as before. The only known commercial hybrid of the Cherokee rose is *Anemone*, with large single pink flowers. It is supposed to be a blend of *laevigata* with a tea rose.

R. multiflora has great promise as a breeder for garden roses. The type readily produces densely double blooms of good size, as a result of crossing with superior garden varieties. Crimson Rambler and others of the polyantha section are being widely used as seed on pollen parents and with excellent results. *Multiflora*

continuous blooming roses of *Wichuraiana* character. This has seldom been accomplished by direct crossing, but many dwarf continuous blooming plants result from seeds of characteristic *Wichuraiana* hybrids, either self or cross-fertilized. They are seldom of any value from a rosarian's standpoint.

Rosa rugosa is plainly the most hopeful species for breeding high-class garden varieties. The hardiness, vigor and handsome foliage of the species and its immediate varieties, together with the great size and fragrance of the flowers, and long blooming season, at once place it beyond comparison. The work of amelioration has been found to be slow and difficult, though steady progress is made. More than one hundred hybrids and varieties have been introduced to general cultivation and scores of good ones are still in the hands of originators. Contrary to experience with *Wichuraiana*, the best results are gained in dilute *rugosa* crosses. It is necessary to remove two or more generations from the wild type to gain texture of petal and purity of coloring. This has been done in such superior varieties as *Conrad Ferdinand Meyer*, the result of a double cross represented by *Gloire de Dijon* X *Duc de Rohan* (hybrid perpetual) X *rugosa Germanica*, the last a hybrid between *rugosa* and a Provence rose. The blooms are perfect from the fancier's viewpoint and are most freely produced throughout Summer, but the rugose foliage has vanished. The writer has produced, by pollinating a selected double-flowering hybrid *rugosa* with *Victor Hugo*, a plant of extreme *rugosa* character, but with large densely double blooms, scarlet-crimson in color, but of such fire and brilliancy that they even surpass those of its glowing pollen parent. Other crosses of



Rose Newport Fairy

Courtesy Julius Rechts Company.

Persian Yellow has produced with us a climbing variety having buds of flaming nasturtium scarlet, opening into yellow double blooms, which successively change to white and finally to pale rose.

R. Wichuraiana has leaped at one bound to a foremost position among rose species desirable for breeding. Thousands of hybrids have been raised in all rose-growing countries. Something like fifty-four named varieties of *Wichuraiana* parentage had been put in commerce by the end of 1905, and others appear each season. *Wichuraiana* hybridizes so readily that it is scarcely possible to grow the species true from seeds, if other roses in the vicinity bloom at the same time. Its late season of flowering and facility of bud propagation are all that will save the type from disappearing under cultivation. It appears to blend readily with almost all species and varieties, the hybrid blooms largely taking on the characteristics of those of the pollen parent, while the plant retains much of *Wichuraiana* habit. Some of the most beautiful new garden roses owe their attraction to *Wichuraiana* influence. So far, however, the greatest success has been with direct or bi-specific hybrids. Attempts to grow secondary and dilute crosses, though very general, have not met with conspicuous success, the offsprings reverting or falling off in quality to a remarkable degree. There is widespread desire to produce

white *rugosa* on *Clothilde Souper*, a tea-polyantha variety, resulted in the splendid continuous-blooming varieties, *New Century*, white, bluish center, and *Sir Thomas Lipton*, pure white, that are well worth growing in the most exclusive gardens. The possibilities of *Rosa rugosa* are slowly yielded, but will be of overwhelming value to future breeders.

Something should be said of *R. spinosissima* and *R. lutea* in their best garden forms. The Scotch rose and *Harrison's Yellow* both hybridize well with *rugosa* and have produced very attractive varieties. The writer has not succeeded so well when using *Austrian Copper* and *Persian Yellow*. Hopeful species for breeding that should be introduced in this country are *R. gigantea*, a large-flowered climbing species, native of Burmah, that has produced a superior variety in Portugal, by crossing with *Gloire de Dijon*, *R. Hugonis*, yellow-flowered, and *R. Soulieana*, with white flowers in corymbs, both native to Western China.

The Japanese Government is importing large numbers of yucca plants from Chili. The tops of the plants are said to contain an abundance of picric acid, which the Japs use in the manufacture of shimose powder, the high explosive employed with deadly effect in the war with Russia.

Philadelphia.

Club Meeting.

The club meeting on Tuesday evening was well attended. President Halman occupied the chair. The essayist was Robert Pyle, president of the Conrad & Jones Company, West Grove, Pa., his subject being the important one of "Advertising," and he handled it most interestingly and instructively. The various media, such as catalogues, the gardening magazines, women's papers, trade periodicals, etc., were all touched upon and their several advertising values described. Mr. Pyle humorously referred to the amount of free advertising the gentleman from Indiana had received on account of the discussion over the name and identity of the hydrangea. The paper in full will appear next week.

A discussion followed, participated in by Messrs. Watson, Clark, Thilow, Aschmann, Kift, Wallace and others.

As showing the longevity of advertising, Mr. Watson told of a case where an advertisement of mushroom spawn inserted by him in a farm paper had brought an order ten years later. The order was filled with the same spawn as advertised—but from fresh stock (Laugh-ter).

Mr. Clark gave some sound advice on advertising generally.

Mr. Kift cited an instance where a well-known florist supply house in Philadelphia had received an order from an advertisement, which had appeared in a trade paper a dozen years previously, and the house was fortunately able to furnish the goods asked for—after a dozen years!

Mr. Aschmann advised persistent advertising as the only way to make it profitable; he had begun in a small way, and now, as every reader of the trade papers knows, he is one of the largest advertisers in this business.

Adolph Farenwald then gave an interesting account of his trip West during rose show time; he spoke enthusiastically of the great establishment of Poehlmann Brothers Company, and paid a high compliment to the business ability of August F. Poehlmann, the founder of the concern. The superior quality of the stock seen at the Chicago rose exhibition was also referred to by Mr. Farenwald, who firmly believed that every Easterner returned home from Chicago "smaller, but wiser men."

Robert Kift gave an entertaining account of his recent visit to the Waban Rose Conservatories, Natick, Mass., and spoke very highly of the White Killarney rose as seen growing there, especially commenting on its freedom from mildew. The word "mildew" reminded George Watson of a story which ran something like this: A gardener was visiting his neighbor and noticed that his roses had a bad attack of mildew. "What's the matter with your plants, Sandy?" queried the visitor. "There's nothing the matter with them," said Sandy; "it's simply a case of sheer neglect." A rose grower had informed Mr. Watson that Killarney is less liable to mildew after the plants have become acclimatized here.

The club, after discussion, decided to have a smoker some time between Easter and Decoration Day.

The Moorheimi lupin was shown by E. A. Stroud; it is a pretty thing and was greatly admired. A Roper, Tewksbury, Mass., exhibited carnation Bay State in fine shape.

Trade Items.

Business continues slow, but all are looking forward to a satisfactory Easter trade. No shortage of any kind of stock is anticipated, and the general belief is that no fancy prices will be forthcoming this year, either for plants or cut flowers.

Harry Bayersdorfer reports a satisfactory demand for his Easter novelties and specialties and says business continues improving right along. This firm has now nine salesmen on the road. Mr. Bayersdorfer is gradually but surely recovering from his recent breakdown in health which necessitated his trip West. He speaks in the highest terms of the cordial reception accorded him everywhere.

Tuesday was a fine Spring-like day and the seed stores were all doing a rushing counter-business.

It is interesting to note that Henry A. Droer, Inc., is offering the much discussed hydrangea under all the names by which it has been designated—*H. arborescens grandiflora alba*, *H. a. sterilis*, and *H. a. grand. forma nova*. They say

Poehlmann Bros. Co.

WHOLESALE GROWERS OF Cut Flowers

33-35 Randolph St. Long Distance Phone CHICAGO, ILL.
Randolph 35

EASTER LILIES

Cut, Finest Quality, per 1000, \$125.00
" First " " " 100.00

- Fine Easter Lily Plants,** \$12.00 to \$15.00 per 100. We crate them so they will ship safely without bruising them, to any distance. We ship thousands out every year.
- American Beauties,** select, long, \$40.00 per 100. Will have a large crop; right for Easter, perfect flowers.
- Richmond.** This beautiful red rose we will have in abundance.
- Killarney** Will have extra fine, long stem stock for Easter.
- Maid, Bride, Perle, Chatenay, Mrs. Potter Palmer.** We will have extra quality flowers. a heavy cut and
- Carnations.** We are on with a big crop of the finest quality. Our selection, \$40.00 per 1000.

MAKE UP YOUR ORDERS AND SEND THEM TO US We assure you that we will send you good fresh flowers and not disappoint you.
If you run short last days, wire us and we will fill your orders

EASTER PRICE LIST

In effect April 15th, 1908. Subject to change without notice.

AMERICAN BEAUTIES		EASTER LILIES	
	Per doz.		Per 100
Extra long	\$5.00	Cut	\$12.50 to \$15.00
30-inch	4.00	In pots	12.50 to 15.00
24-inch	3.00	CARNATIONS	5.00
20-inch	2.50	Select, fancy	6.00
18-inch	2.00	Good split	3.00
15-inch	1.50	VALLEY	2.00 to 3.00
Short	per 100, \$4.00, \$5.00, \$5.00	VIOLETS	.75 to 1.25
RICHMOND, select, 36-inch stem	Per 100 \$18.00	JONQUILS and DAFFODILS	3.00 to 4.00
Fancy	15.00	FANCY LONG SNAPDRAGON	6.00 to 8.00
Medium	\$8.00 to 10.00	MIGNONETTES, fancy, large spikes	6.00 to 8.00
Short	4.00 to 6.00	PLUMOSUS SPRAYS, SPRENGERI	3.00 to 5.00
MAID and BRIDE, select long	10.00 to 12.00	PLUMOSUS STRINGS, extra long	50.00 to 60.00
Medium	6.00 to 8.00	SMILAX	15.00
Short	4.00	GALAX	per 1000, \$1.25
MRS. POTTER PALMER, extra select	12.00	FERNS	per 1000, 2.00
Long	8.00 to 10.00	ADIANTUM	1.00
Medium	6.00	ADIANTUM CROWEANUM	1.50
CHATENAY and GATES, select, long	10.00	TULIPS	3.00 to 5.00
Medium	8.00	BOXWOOD	per bunch, 25c; per case 6.50
Short	4.00 to 6.00	WILD SMILAX	large case, 5.00
PERLE, select, long	8.00	LEUCOTHOE LEAVES, per 100, \$1.00; per 1000, 7.50	
Medium and Short	3.00 to 6.00		
KILLARNEY, extra long	15.00		
Fancy	12.00		
Medium	10.00		
Short	6.00 to 8.00		
SHORT ROSES, our selection, per 1000, 30.00 to 40.00			

Extra Specials Charged Accordingly.

no matter by what name it is bought the plant is a good thing.

Ponock Brothers on Chestnut street have a very attractive window display of seasonal stock. This they consider the best, and as far as they are concerned, the only form of advertising. A. B. Cartledge of the firm was over in New York on Monday last.

On Saturday last a slight blaze occurred in the basement of the Philadelphia Floral Store at 618 Chestnut street, but it fortunately was extinguished before much harm was done. M. C. Dunn, the proprietor, thinks the fire was caused by some unthinking individual throwing the remnant of a lighted cigarette or cigar through the grating into the cellar.

GRAND RAPIDS, MICH.—Articles of association have been completed for the Grand Rapids Greenhouse Company and will be filed with the county clerk. The capital stock of the company is \$500,000, of which \$200,000 is preferred stock and \$300,000 common. The officers are: President, Frank M. Strong; vice-president, Edward E. Taylor; secretary and treasurer, Frank J. Cook; manager, Samuel J. Perry. A contract has been awarded for the wood construction of the plant to Dietsch & Company, Chicago. The contract for the ventilating system has been let to the Quaker City Machine Company, Richmond, Ind., and

SURPLUS STOCK FOR SPRING, 1908

- Cal. Privet, 2-3 feet, 2 years old.
- Cal. Privet, 3-5 feet, 3 and 4 years old X.
- Norway Maples, 12-14 feet, 2-2½ inches diameter.
- Norway Maples, 14-16 feet, 2½-3 inches diameter.
- Cur. Poplars, 10-12 feet, 1½-2 inches diam.
- Dwarf Box, 3 ½ inches.

Write for prices
The Morris Nursery Co., N. Y. City
Sales Office, 1 Madison Ave.

the hot water system of forced circulation will be used. The heating plant will cost about \$15,000 and an automatic sprinkler system will be installed. In the construction of the heating plant about 80,000 feet of 1½-inch iron pipe will be used.

The plant will be constructed in connection with Mr. Perry's greenhouses on Madison avenue, outside the city limits, and it will consist of 10 houses, each 500 feet long and 15 feet, 9 inches wide. These will be constructed side by side and will make practically one great building. It will give an additional space under glass to the different properties now held by the company of about three acres, making about eight acres in all under glass, which will be owned by the company. The total cost of the material purchased thus far will aggregate, it is said, \$30,000.

- ASPARAGUS Plumosus and Sprenger,** strong plants, 2 in. pots, \$2.25 per 100.
- STOCKS,** double white, in bloom, 6 in., 20c. each.
- ENGLISH IVY,** 2 and 2½ in., \$2.00 per 100.
- GERANIUMS,** double scarlet and red, \$1.75 per 100.
- ARAUCARIAS,** 20 in., four tiers, \$1.00.
- HYDRANGEA paniculata Grandiflora,** 10 in., \$3.00; 2 to 3 feet, \$6.00 per 100.
- FERNS,** Scottii, 4 in., 10c.; 5 in., 15c.
- CANNAS,** two eyes, Duke of Marlborough, (Chas. Henderson, David Harum, Hall's, America), \$2.00 per 100.
- California Privet, 5 to 6 ft., 5c. each.

J. H. DANN & SON WESTFIELD, N. Y.

CARNATIONS ROOTED CUTTINGS

- Queen 100
- Harlowarden 1.50
- Lady Bountiful 2.50
- Enchantress 2.50
- Rose Pink Enchantress 3.50
- Pink Imperial 6.00

S. G. BENJAMIN, FISHKILL, N. Y.

Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

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REVIEW OF THE MARKET

NEW YORK—The cut flower trade continues to be rather unsatisfactory, of course, the cut flower business always is in bad shape the week before Easter, but it seems very pronounced this year from the fact that business has not been what it ought to be for a long time. At the beginning of the week (Monday morning) it seemed as though there was a little more life, and clearances were fairly good, though no advance in prices was possible. The spurt, however, proved short-lived, as Tuesday was one of the duller days of the season and prices went lower even than before, and still stock could not be cleared. There is an excellent supply of roses in all varieties and the quality is superb. The same can be truthfully said of carnations and all bulbous stock. Lilies are plentiful, and there are various grades of them to be had at prices ranging anywhere from 3c. to 8c. each. Violets are better than they were one week ago, and if the weather does not get too warm they should be in fair shape for Easter trade. The supply of gardenias is being augmented every day, and there will be a good supply of long-stemmed flowers for Easter. Cattleyas are coming in quite plentifully, the variety Schroederæ being more in evidence than any other, and it can safely be said that this variety, although it is a beautiful shade of pink, does not sell nearly so well as do the deeper-colored varieties. Trailing arbutus has appeared on the market, and this Spring favorite brought as high as \$1 per dozen bunches. Of course, this is the first of the crop, and the supply is limited.

CHICAGO—Business in the cut flower market is at a very low ebb, it is doubtful whether it could be any worse. The local demand is surprisingly small, and the shipping business is considerably diminished. Though prices remain about the same they are weak, and many deals are made which would hardly show the real value of any one thing. Such a state of affairs does not augur well for Easter business, especially as there is no sign of shortage in any particular commodity. Roses are very plentiful, and of excellent quality. Carnations are still plentiful, even with a material shortening in crops. Lilies are hard to advance in price, although not so plentiful as a week ago. Outdoor grown bulbous stock is arriving in avalanches and cleans out at any price from 2c. to 10c. a bunch. Forced stock moves slowly under this condition. Liliums rubrum and candidum come in freely, but on the whole sell pretty well. Violets clean out well, but prices have a downward trend. Pansies, stocks, snapdragons and Japanese iris are seen here and there, but, like most other commodities, seem to be affected by the general depression of the market. Sweet peas continue about as good a product as anything, and are moving fairly well. J. H. P.

BOSTON.—Trade has improved from last week; buyers are calling for more flowers, and while there is practically no advance in prices there is a tendency to a firmer market all around. Roses of first class quality are seen; in fact, there never were better flowers brought into this market, especially of Richmond and Killarney, than now. Carnations are selling better, the quality is unsurpassed. Lilies are good and moving fairly well. Violets are selling well, and the first-class flowers are bringing good prices. Sweet peas are plentiful and good. Lily of the valley has a steady demand. Bulbous stock is very plentiful, but has been cleaning up daily fairly well. J. W. P.

INDIANAPOLIS.—Throughout the past week relief to the generous output of the growers came in batches of funeral work and numerous small decorations. Much bulbous stock and a number of carnations, despite this, went to waste, but the spirits of the retailer are rising above the bank of clouds so many months in the horizon. Counter trade is well taken care of with select roses, sweet peas, carnations and a great variety of other seasonal flowers. Killarney, Richmond and La France almost eligible for a rose show in quality, are wholesaling at \$8 to \$10 per 100 and retailing at \$1.50 to \$2 per dozen. American Beauty are in fine condition at \$5 to \$35 per 100. The best carnations may be had at \$1 to \$2 per 100, medium grades bring \$1.50 per 100. Much material intended

for Easter sales and fancy prices is brought reluctantly forward by the grower to a merciless and unappreciative market. Harrisii and longiflorum lilies are not plentiful, but the quality is superior to last season's; \$10 to \$12.50 per 100 is the present price. Easter orders are usually accepted at \$15 per 100 flowers or buds. Boxwood and laurel trees, also privet plants, are seen in numbers about the flower shops, but the sale is not as heavy as in the East. I. B.

ST. LOUIS.—The market the past week was not nearly so overcrowded as it has been, and the retail business showed a slight improvement; but the spurt did not last long. Next week will see the last of Lent and trade should pick up, as a good many weddings, receptions and dinner parties are booked ahead.

The weather has been extremely fine the past few days, fruit trees and early blooming shrubs are in full flower. The wholesale markets are still well supplied with everything in season, but there is not a glut by any means. Roses are selling fairly well; prices run from \$2 to \$8 per 100 for Killarney, Richmond, Ivory, Bride and Bridesmaid, Long American Beauty bring from \$2 to \$3 per dozen; medium, 75c. to \$1.50 per dozen, and shorts from \$2 to \$5 per 100. Carnations, fancy, are sold at \$3, firsts, \$2, and common, \$1 per 100. Callas bring \$8; Harrisii, \$10; Dutch hyacinths \$1; tulips, \$2; lily of the valley, \$3; sweet peas, 25c. to 50c. per 100. Von Sion narcissus, \$2 to \$3 per 100. Smilax sells well at \$12.50. There are plenty of other greens. ST. PATRICK.

BUSINESS DIFFICULTIES.

NEW YORK—Caroline E. Scallen, florist at 1242 Broadway, has filed a petition in bankruptcy with liabilities \$8,304, assets \$531. This business was started many years ago by her husband who died in February, 1903, and she has carried it on since. The bankruptcy is attributed to trade going further up town and inability to collect accounts.

YOUNGSTOWN, O.—Petition for the appointment of a receiver to wind up the business of the Calla Cut Flower Company was filed in common pleas court Tuesday of last week by Charles W. Hendricks. The plaintiff is surety on notes, now due, amounting to \$3,100, which he says the defendant company has no money to pay. The Calla Cut Flower Company is subsidiary to the Templin Company, M. B. Templin is treasurer. Judge Rogers appointed Irwin W. Coy.

The Calla Cut Flower Company was organized in 1905 and has seven greenhouses, covered with about 19,000 square feet of glass in calla. The plaintiff, Hen-

dricks, states that it is in debt to the amount of \$6,000, of which \$3,100 is now due. He says that the company has no cash on hand; that its quick assets and property of every kind are insufficient to meet its liabilities; that it cannot secure further money to carry on its business, and that the business cannot be further carried on without loss. Plaintiff therefore asked that the property be sold and the proceeds be used to pay off indebtedness. The company filed answer, acknowledging that the business could not be carried on with profit.

FIRMS WHO ARE BUILDING.

SPRINGFIELD, N. Y.—A. F. Johnson is erecting a greenhouse on his property on Pearl place.

FAIRBURY, ILL.—Kring has commenced the erection of a new greenhouse, 30x300 feet.

SAYRE, N. Y.—Arthur L. Merrill of West Lockhart plans to build three greenhouses, each 145x20 feet.

PLEASANT VIEW, IDAHO.—Myers Brothers have built and have in operation a large greenhouse at their ranch near Liberty school.

MT. STERLING, KY.—Messrs. Graser & Humphreys, proprietors of the Mt. Sterling Floral Company, have begun the erection of a greenhouse 40x75 feet.

SOUTH MANCHESTER, CONN.—Seth Leslie Cheney is preparing plans for the construction of a large greenhouse, 200 by 10 feet. Mr. Cheney has also decided to enter into field work extensively this Summer. He intends to do a large wholesale tomato and potato business. He has secured the services of Thomas L. Brown, Grand Rapids, Mich., to manage the farm.

NEW CASTLE, IND.—Weiland & Olinger, who have a large range in the northeastern part of the city, are preparing to add six big houses to the 15 already owned by them. Material is now being shipped in, and as soon as the weather will permit the work will commence. Each house will be 28x300 feet, the same size as the other 15. The six new ones will be devoted to the growing of carnations.

TOLEDO, O.—Krusger Brothers, florists, have begun making extensive improvements on twenty-six acres recently purchased out Woodville road, and will this Summer increase their capacity by one-half. They have begun building two greenhouses, 30x250 and 36x250 feet, and will erect a boiler house. The firm now has 50,000 square feet of glass at its present location at Nevada and Clark streets, and will have 25,000 square feet more upon the completion of the work this Summer. For the first year the two new greenhouses will be used exclusively for carnations.

EASTER LILIES

SUPERB LILY OF THE VALLEY

AMERICAN BEAUTIES

RICHMONDS

KILLARNEYS

BRIDESMAIDS

BRIDES

Telephones
2617-2618 Main

HENRY M. ROBINSON

Wholesale Commission Florists
15 Province Street, 9 Chapman Place

& CO.

BOSTON, MASS.

VIOLETS

CARNATIONS

DAFFODILS

TULIPS, NARCISSUS

HYACINTHS, SWEET PEAS

For EASTER DECORATIONS

SOUTHERN WILD SMILAX, LAUREL FESTOON-
ING, LEUCOTHOE SPRAYS, DAGGER and FANCYFERNs, BRONZE and GREEN GALAX. ALL ORDERS RECEIVE PROMPT AND
PERSONAL ATTENTION

CHANGES IN BUSINESS.

RUTLAND, VT.—F. E. Grimes has succeeded O. L. Hill in the florist business at No. 78 Plain street.

UTICA, N. Y.—Joseph Boehm, formerly with Bigelow, the florist, has opened a flower store at 62 South street.

MINOT, N. W.—Messrs. Valke & Elkman have opened a flower store here. They were formerly of Minneapolis, Minn.

DES MOINES, IA.—Alfred G. Lozier, florist, will on May 1 move into a new store at 518 Walnut street from his present quarters at 317 Sixth avenue.

MARTIN'S FERRY, W. Va.—Miss Nola Beck has opened a flower store at corner of Fourth and Hanover streets. Miss Beck learned the business in Cleveland, Ohio.

NEW LONDON, CONN.—Conrad Schultz, for many years with S. J. Reuter, has purchased a florist's business in Westerly and will conduct it in future.

FOR WAYNE, IND.—M. E. Rice has purchased a farm here and will grow gladiolus; associated with Mr. Rice will be A. E. Kunderd, Kendallville, Ind., who is an expert in gladiolus culture.

NORTH BEVERLY, MASS.—Charles Hurlbert has gone into the greenhouse business with his brother-in-law, Alexander Mitchell, at the Mitchell greenhouses on Cabot street.

HOMESTEAD, PA.—Jacob Elicker, the Eighth avenue florist, who has been in business here for the past twenty-five years, is making a change of the progressive sort in moving his establishment to larger quarters across the avenue from his present location.

ATLANTIC CITY, N. J.—H. J. Hoffmeier, Broadway, New York, opened a flower store in the Marlborough-Blenheim lobby last week. He will take care of the decorations of several hotels and will be assisted by W. F. Shean, late of the William Graham Company, Philadelphia.

GROW MUSHROOMS

If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office. Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
2 Duane St., New York

Introducers and growers of carnations who supply the trade with rooted cuttings will find this a very favorable time for placing an advertisement in THE FLORISTS' EXCHANGE.

A. L. YOUNG & CO.

WHOLESALE FLORISTS
64 WEST 28th STREET, NEW YORK

Telephone: 3559 Madison Square

CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

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A GRAND CROP FOR EASTER

Roses, Carnations, Easter Lilies, Valley, Asparagus Plumosus, Etc.

Send Us Your Easter Order and Avoid Disappointment

WRITE, WIRE OR 'PHONE—THE EARLIER THE BETTER. 'PHONE CENTRAL 2846

ROSES, ALL COLORS OF THE RAINBOW

RED		Per Doz.
Am. Beauty, long stems	.....	\$5.00
30-inch stems	.....	4.00
24-inch stems	.....	3.00
20-inch stems	.....	2.50
15-inch stems	.....	2.00
12-inch stems	.....	1.50
Short stems	.....	1.00
		Per 100.
Richmond, Liberty	.....	\$5.00 to \$10.00
WHITE		
Bride, Ivory	.....	5.00 to 10.00

YELLOW		Per 100
Perle	.....	\$5.00 to \$8.00

LIGHT PINK		
Uncle John, Golden Gate	.....	5.00 to 10.00

PINK		
Mme. Chatenay, Bridesmaid	.....	5.00 to 10.00
Mrs. Marshall Field, Kiltarney	.....	6.00 to 15.00

COPPER COLOR		Per 100
Sunrise	.....	\$5.00 to \$8.00
ROSES, OUR SELECTION	.....	4.00
CARNATIONS	.....	3.00 to 4.00
Easter Lilies	.....	10.00 to 15.00
Paper Whites, Romans, Daffs	.....	3.00 to 4.00
Violets	.....	1.00 to 1.50
Tulips	.....	4.00 to 6.00
Callas	10.00 to 15.00
Valley, fancy	3.00 to 4.00
Ex. Fancy Asp. Plumosus, bu	75 to 1.00

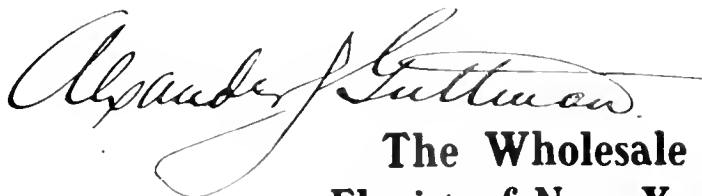
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51 Wabash Ave., CHICAGO

**Keep Up Courage
and Be Game**
**Better Times are
Coming**

Always at Your Service

Yours very truly,



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Florist of New York

Telephone
1664-1665 Madison Square

43 West 28th Street

Send Easter Orders Now

EASTER Announcements

(See advertisement page 479, issue April 4)

THOSE Florists who have delayed ordering their Easter Announcements can have same supplied by us, in record time. Orders received in the forepart of next week will be filled same day.

A. T. De La Mare Ptg. & Pub. Co. Ltd. P. O. BOX 1697
NEW YORK CITY

EASTER LILIES

Now ready, 10c. and 12c. per bud.
All A No. 1. Also

HYACINTHS

S. Petersen

Richmond Hill, L. I., N. Y.

Telephone 383L.

PLANT CULTURE

PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO.,
2 Duane Street, New York

ROSES AND CARNATIONS For Easter

BRANT BROS.
WHOLESALE FLORISTS
UTICA, N. Y.

Rooted cuttings of all soft-wooded plants are in demand at this time by florists who do not propagate their own stock. Growers making a specialty of the rooted cutting business will find an advertisement placed in THE FLORISTS' EXCHANGE a very profitable investment.

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, \$2.50
A. T. DELAMARE PTG. & PUB. CO., LTD.

A. M. HENSHAW

*One of the Wholesale
Florists of New York*

**EVERYTHING RIGHT
FOR EASTER**

THE SECOND FLOOR MAN

44 West 28th St.

Phone 5583 Madison Square

MOORE, HENTZ & Nash

Wholesale Florists

**55-57 West 26th St.
New York City**

Telephone, 756 Madison Square

WE have an exceptionally choice stock of
Cut Flowers every day in the year.

WE can fill Easter orders to your ad-
vantage. *Write early.*

Proper Size of Commercial Rose House.

*Discussion of W. H. Elliott's Paper before Rose Society.
(See Page 428, issue of March 28, 1908.)*

Asked for a description of the big house Mr. Elliott had erected, he replied, "The construction is practically in the same style as the old wooden construction used, with purlins. Every other purlin is carried above a truss and with posts under every other purlin. I have five lines of posts in the 60-foot house. We have no supports in that house larger than 1 1/4-inch pipe, and nothing smaller than 3/4-inch. The outer lines are carried with 3/4-inch, the next line or two with 1-inch and the ridge 1 1/4-inch. It seems entirely sufficient to support the roof. The construction is as light as I feel would be safe, but I do think everything is thoroughly secure.

Wallace R. Pierson: What is the ventilation? Is it double and continuous?

Mr. Elliott: There is a double row of ventilators along each side, open at the top. One half of the roof is open, three lights to the ventilator and three between. They are hinged at the bottom and open at the ridge. I have no preference for that construction. It seemed simple. It might be as well to hinge at the top and open from the bottom in the higher houses. In my new house I have a different plan from that tried before. The construction of this last house is not finished as yet. I have side ventilation there, different to what I have tried before. What the results will be I do not know. The ventilation there is about a foot, almost continuously along the front of the house to the ground, the idea being that the air coming in there will pass underneath the benches and not directly on the benches. This course may not develop as much mildew as we usually get in the Summer. There is 4 feet of glass on the front side of the house, and the ventilation is below that. The sides are of wood, but there is not much wood except the frame work for the ventilators below the glass. I think the ventilators are perhaps 15 inches wide.

A. Farenwald: I am interested in Mr. Elliott's remarks regarding the growing properties of these houses. He says you can grow a better article in the large than in the small houses. I must differ from him, it depends upon who is the grower. If he is a

successful man it doesn't matter what kind of house he has. In my opinion the difference between a large and small house is merely a matter of economy which goes with the large house. First, it is cheaper to build a large house than several small houses; but then there is the heating. You take a house 800 feet one way and heat it by gravity. You have to force your steam a long way from your boilers, so that if you are close to your house it makes practically 1000-foot run before you distribute, making a lot of friction. If you want to run on low pressure you must use a very large steam pipe. This causes a great loss of energy. With me it is a question whether such large houses are profitable, and particularly so as to their heating.

Mr. Elliott: Like most of our ideas about these things we are always making the best guesses we can. When we construct houses a certain way we are satisfied they heat first-rate. I circulate my steam with a gravity system covering half a mile, and there has been no difficulty at all on that account. The end section of the house heats a little better than the rest. The original plan of the house was to divide it into sections 200 feet long, a man to each section, but the end section instead of being 200 feet, is only 175 feet, and as they get nearer to the boiler the sections are longer. We have shortened the end to such an extent that it heats the best. It does not seem to me there is any very serious drawback. I carry the steam through that half mile run with a 6-inch pipe, placed underneath the ground. What the friction might really mean I do not know, but the loss of heat cannot be very much, because all the heat radiated is radiated into the greenhouse. I cannot understand that the earth will absorb the heat and draw it away. Now, there is another important point about the heating of these large houses which for many years I could not understand. I have an idea about it now which I think is correct. I found it did not require so many pipes nor so much heat to heat the high houses as it did to heat the low ones. That seemed to be quite contrary to what we really knew about heating. We always supposed the large spaces required the most heat, but the idea which occurred to me was this: If you place your pipes down where your

plants are and your glass is as high as the ceiling in this Auditorium the cold is not going to affect those plants on the ground very easily. If I sit in a chair just here and seek to get warm I shall succeed better than if I sit close to a window, and I can keep warmer the farther I am from the glass. In these high houses the variation in temperature between the location of the plants and the highest portion of the roof would be perhaps 10 per cent. You have a great blanket of air between those plants and the glass. That is no drawback, it is really a benefit; and we find it practical in heating that a smaller amount of pipe will keep the big houses warm. It is against scientific dogma to have hot air on the bottom in greenhouses and the cold air on top. The hot air will rise, but not so fast as it cools off on top, and it will not do it very quickly. For that reason I have considered it cheaper to heat the high houses than the low ones.

In regard to the improvement of stock grown in the high houses, I can grow better stock in my large houses, and I presume this would be equally true of the other man. I do not think I could develop such roses as I do in the large houses in the old style houses. I think Mr. Poehlmann has some ideas contrary to mine on that point.

August Poehlmann: My ideas coincide with Mr. Elliott's as to large houses. We used to have small houses and found it hard to regulate the temperature. Since we have built several large houses with 10-foot gutters we can see they are easier to heat than the lower structures. I believe the great quantity of good air you have in the large house helps out the grower.

Mr. Farenwald: Then there is the wind pressure on the large houses. This Winter at the large house at North Wales, Pa., several severe windstorms have been experienced. The house is 150 feet or more wide, with an angle, I believe, of something like 175 feet. It is not square on one side. A friend of mine made it a point to visit the house during perhaps the heaviest storm. He found the men in charge afraid to remain in the house that day; although he himself ventured in, he did not stay long. He declares he never saw anything like it and never experienced such a sensation. The house is

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TRAENDLY & SCHENCK

Wholesale Florists

44 West 28th St., New York City

'Phones, 798-799 Madison Square

All the Novelties in high class **ROSES.**

☞ All the Novelties in high class **CARNATIONS** ☞ We will have about 3000 **CATTLEYS** for Easter

All kinds of **BULBOUS STOCK**

☞ **SWEET PEAS** in quantities, also **VIOLETS** in any quantity, and all other seasonable Flowers

Orders by mail, 'phone or telegraph promptly attended to
Price list on application

not built in the regular way; but they have the pipe all overhead and the ties anchored by that. If not anchored by all these tons of pipe that house would have blown away in that storm. The pipes were running into a 6-inch return at one end. This return was lifted clear from the ground 6 or 8 inches by the velocity of the wind. It was a long way from the boiler and could give a little. Now you can imagine the enormous pressure against that house, and as fast as they put glass in it blew out again. Finally, they had to use logs of wood and big ladders to brace the sides. As originally braced I thought nothing but a cyclone could hudge that house. I do not want any house like that.

Mr. Elliott: I think Mr. Farenwald is a little mistaken if he supposes I am undertaking to defend the construction of a greenhouse such as that. I have never suggested in anyway the building of a house like the one he mentions. If such a house is wanted it should be constructed so that it will stand. When I was there last Summer the American Beauty roses I saw were as good as any I saw anywhere; and there are in this exhibition some flowers from that house as good as any exhibited. If the stock grows, as it apparently does, do we want that kind of house? The movement of a large body as contained in these large houses is a serious question. You cannot put up a house 150 feet wide and 30 to 40 feet high and expect a pressure on the lights similar to that in a small house. A body of air when it takes a move against a big expanse of glass presents a difficulty hard to overcome. It means thorough construction and thorough glazing. But I believe in the large houses. I am not prepared to say I believe in any house 150 feet wide, but it is up to us to decide how far to go. In the next 25 years we may go even wider than that. There are perhaps some serious problems in the large houses which will solve themselves. We always had an idea stock would grow better near the glass. If a gardener wanted to give anything a favorable location he would stick it near the glass. It is true, and it is not true, that that location is best. The higher level in the greenhouse will do better than one down low. You suppose that is because it is near the glass. It is not altogether true. It is because it is higher than the other stock and the cold air and drafts all strike the lower level. But

with a higher house, of a construction proper, and plants laid out on the level, there are no plants higher than any of the rest. Then we supposed the high roof would make the plant beds cold. But I find that the glass roof itself is not intercepting the heat rays from the sun. It is the ground, and the heat is at the ground. It is a fact that in these large houses the sunshine comes in and warms your plants right down at the ground. It was a question to me whether the plants would warm up at the bottom, and I found they did, and well.

Now in regard to ventilation. It always seemed to me very important that the ventilators should be opened up a good deal. I do not know whether that is true or not. I think if the house is large enough so that you do not have to open any ventilators at all you could grow pretty good stock. I do not see what there is to contaminate the air in a greenhouse. These questions solve themselves, it seems, all in favor of the large houses.

Wallace R. Pierson: Do you consider that the stem is lengthened by the greater distance from the glass?

Mr. Elliott: I have not been impressed with that idea. I would say that with a good light roof and with plants all on one level there does not seem to be a tendency to "draw" them up. There may be some tendency to lengthen stems, but not much.

Mr. Farenwald: Regarding the ventilation in the large house I have been speaking of, there is a double ventilator 4 feet each side of the house, and during the Summer, the house got too hot with these ventilators wide open, in fact, the men were not able to work in certain hours. The house heats up splendidly and in the Winter time it is quite an advantage. Less artificial heat is required than in any house I ever saw. It is remarkable. The plants are thrifty and look well; no overdrawn stock. There is something in these big structures, but we have to do a lot of thinking yet.

MILES OF FLOWERS.—The floral department of the Canadian Pacific Railroad is sending 50,000 packages of flower seeds to trainmen and section men along its 3,000 miles of trackage. This is an advance on the practice of other roads in growing flowers at their stations, and has resulted in hundreds of pretty home gardens along the line.

CLUB AND SOCIETY DOINGS

DUTCHESS COUNTY (N. Y.) HORTICULTURAL SOCIETY.—The regular meeting of this society was held at Poughkeepsie, N. Y., March 25, 1908. The society was entertained with a very interesting paper on carnations by F. E. Witney, Fishkill, N. Y., who fully covered the entire subject. A fine vase of carnations was exhibited by A. Lamb & Son, Hughsonville, N. Y., for which the society tendered him a vote of thanks.

In the evening an interesting and instructive lecture on "Tree Doctoring" was delivered by John T. Withers at Vassar Institute, to which the public was invited.

Two new members were elected, making an active membership of 271.
HUBERT G. COLLAM.

NEW JERSEY HORTICULTURAL SOCIETY.—Additional attractions were brought to the display of the season's flowers at their meeting on the third instant by a cash prize of \$10, offered by W. A. Manda last month and divided into three premiums by the committee. The awards were: First, William Reid, gardener for Sydney and Austin Colgate, Orange, for a specimen anthurium of large size and finished cultivation; second, Popkin & Collins, for a standard white lilac; third, John Derwin, gardener for A. C. Van Gansbeck, for a specimen Cineraria stella, three feet high. Lager & Hurrell, Summit, exhibited a table of orchids; Thomas Jones, Short Hills, hyacinths in pots; Max Schneider, gardener for Charles Hathaway, East Orange, stocks; John Derwin, vases of roses, carnations, anthurium and sweet peas.

Henry Hurrell gave an interesting account of the formation of the new orchid society, and resolutions were unanimously passed wishing success and prosperity to the undertaking. George Johnston was elected to membership.
J. B. D.

The New York Agricultural Station at Geneva is studying the carnation disease called bud rot. The investigations will, it is said, throw considerable new light on one form of this trouble, and the results of the studies will appear in bulletin form soon.

In its colored supplement for March 28, 1908, London Garden pictures carnations: Rose Perfection, Princess, Aristocrat and White Perfection.

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JOHN YOUNG

Wholesale Florist

51 WEST 28th STREET
NEW YORK CITY

Telephones 4463-4464 MADISON SQUARE

GARDENIAS of superb quality

CARNATIONS

from the famous Cottage Gardens

Choice

AMERICAN BEAUTY ROSES

and a splendid line of all

BULBOUS FLOWERS

TOP GRADE FOR SHIPPING

JOHN I. RAYNOR

49 West 28th Street

NEW YORK CITY

Telephone 1998 MADISON SQUARE

American Beauty
Bridesmaid and
Bride Roses
Carnations
Lily of the Valley
Lilies

Birnie at Washington.

Editor Florists' Exchange:

I see Job is on the rampage again. I suppose he has been hibernating with the ground hog or ruminating on the "education" he received from Boston some months ago. His long rest has been quite a relief to the readers of The Florists' Exchange; but neither rest nor education seems to have worked much improvement on Job. Old age and mental decrepitude appear to be getting the best of him; already he is a "back number." As a humorist he is plainly a failure; his "trenchant" pen has lost its point; phrases he evidently wants to palm off as satire fall flat and are meaningless except to himself. Some of them savor of Billingsgate; I had almost said "the muckrake."

The word "muckrake" reminds me that I heard a muckrake response to a toast at a club dinner on February 29 last; and I just want to say in passing, that while the anonymous scribble has very little to recommend it, the muckrake response to a toast is despicable and detestable, and when supplemented with an infliction of doggerel becomes disgusting. It is to be hoped that that dinner was strictly kosher. But that is another story. Back to Washington.

Job wants to know "where I was at the time the photograph was taken." This is none of Job's business, but I will tell him. While those gentlemen who were laboring under the hallucination that they were something to look at were getting their photos taken, I was taking in the sights of Washington, and among the rest the carnation houses of the Department of Agriculture, which I found in grand shape. On the seedling bench I detected several good ones, two especially, one pink and one white, which in the hands of any of our promoters or specialists would be made good use of; but, of course, the plants being raised at the expense of the Government will be disseminated something in the same manner as the free seeds; no speculator will get hold of them.

With your permission, Mr. Editor, I will give Job a synopsis of that Washington trip. Of course, the Washington carnation convention is now ancient history, but considering the fact that I did not go there as a "sage," merely as a commercial grower looking for something new, or comparatively new, to take the place of some I want to discard, my experience may be worth recording.

On entering the convention hall the first thing noticeable was a cloud of tobacco smoke, and through the smoke

could be discerned a low-roofed hall, well filled with grand carnations; and the carnations were really grand the first night. There was much comment about the smoke, many predicting that it would have the effect of putting the flowers to sleep. This did not prove to be the case, however, for although a great many flowers were asleep next morning, others looked as good as when they were first staged, which would indicate that the smoke had nothing whatever to do with it. What was the cause? Did they all go to sleep from one cause, or was there a different cause for each vase?

One thing I noticed was some varieties of carnations which have the reputation of being short-stemmed, exhibited there with quite passable stems, and on lifting them out of the vase, just to "see," I found that they had been cut off right at the trunk of the plant. I don't think this should be allowed at a trade exhibition. The commercial grower has necessarily got to leave two (some leave three) good shoots for a succession of crop; the commercial carnation, therefore, is the flower and that part of the stem above the above-mentioned shoots. A carnation for a trade exhibition should be cut exactly in the same way as it is cut for market purposes; any other way is misleading. This is another argument in favor of the visiting committee. Anyway, I selected two or three varieties which from their behavior on the exhibition table (which was all I had to go by) give promise of being good commercial varieties. So much for the carnation show, but some side shows were even more enjoyable.

I had the pleasure of spending some pleasant and to me profitable hours at the home of W. R. Smith, superintendent of the Botanic Garden at Washington, ex-president of the S. A. F. O. H., and the proud owner of the most complete Burnsiana in the world. Mr. Smith informed me that after diligent personal investigation and inquiry he was thoroughly convinced that Burns was not a habitual drinker, or inebriate, as is the general belief; but on the contrary, was a very temperate man, and that his bacchanalian songs merely describe what he saw in others who had tarried long at the cup, and not from personal experience. He also contends that Burns was endowed with extremely high morals, and that such poems as "The Cottar's Saturday Night," "Mary in Heaven," and "Holy Willie's Prayer," give ample proof that he is justified in so thinking.

Among the notables I met for the first time was W. N. Rudd of Chicago; not W. N. Rudd as we see him portrayed from time to time in the trade papers—juvenile, unsophisticated, and innocent looking, but W. N.

Rudd as he really is, bearded and grizzled muzzled, his "crown of glory" very much in evidence. He is or should be old enough to know better. I suppose it is vanity! When I first saw him he was in the act of unpacking some new carnations which had been delayed in transit and had been in the box for 56 hours; they, however, came out in perfect condition, which proves that they are good shippers, and judging from what I saw of them they will be heard of later. Wishing to know Mr. Rudd I asked a mutual friend to introduce me. This he did in the usual manner. Mr. Rudd took my proffered hand, but disdaining all the stereotyped and conventional phrases generally used on such occasions, scrutinized me closely, and sternly demanded, "Where's your horns?" Before I could formulate an answer to this disconcerting question someone else claimed his attention and all he had a chance to say was "like to see you later." We met "later," when he was at leisure, and I found him good company and a very interesting talker. The subject of "horns" was not touched upon, but I don't think he would know an angel if he saw one.

It may interest Job to know that I endeavored to shake hands with the President of the United States. As I moved along in line I made up my mind that I would give him a fraternal grip, but when I closed my hand I found that his hand wasn't there, and on looking over my shoulder after I had passed to at least have a look at his physog, all I saw was a hole with what resembled a picket fence around it in the place where his physog ought to have been.

In closing, I wish to remark that Job seems to know all that is necessary about the "hairs of the dogs" and their efficacy the morning after the night before; but I don't see how that experience could be acquired from a milk and seltzer thirst. Regarding human bones for fertilizers, I remember as a boy, some years after the Crimean War, seeing whole cargoes of bones, both horse and human, being brought from the trenches in the Crimea to Fraserburgh in Scotland and ground into commercial "bones." I never heard that their use caused any commotion either above ground or below. The only thing that puzzles me is how those atoms are to find their proper place when Gabriel blows his horn.

I would like to say quite some more on several subjects, but I got a letter from the Eastern representative of a Western paper, together with the names of 23 members of our local club; he has requested me to try to induce those 23 to subscribe for the paper he represents, and I suppose out of charity I will have to try my hand at book canvassing.

JOHN BIRNIE.

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Wholesale Florist
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*Soliciting a share of
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 promising our best attention
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Los Angeles, Cal.

News Items.

After repeated efforts, without success, on the part of the directorate of the Southern California Horticultural Society to secure enough votes at any one of the several meetings held since January 1 to legally elect a new board for this year, it was decided at the last meeting, held at Payne's seed store, to make no further attempt until the first Wednesday of 1909.

The store of the Redondo Floral Company on Spring street, operated in the past years in connection with their glass and slat houses and carnation grounds at Redondo, has been bought by Charles E. Morton, recently arrived from Chicago, where for a number of years he conducted a flower store. Hereafter this flower shop will be run independently of the beach establishment.

The Signal Hill Floral Company has opened a store at 206 West Fourth street to meet the demands of its rapidly growing trade. Jack D'Ortignac is manager. His artistic skill is of a very high order, and with the great quantity of flowers this company produces the store should be a success.

The Los Angeles Florists' Club, with thirty-two charter members, is now a permanent organization. O. C. Saakes, florist, 140 South Spring street, is president; G. S. Dunscomb of Rising-Dunscomb Company, nurserymen, secretary.

B. Suzuki, managing director of the Yokohama Nursery Company, on a recent visit to this coast appointed Jacob Dietrik sole agent for the sale of the concern's stock on this coast from San Diego to Santa Barbara.

The price of Phoenix canariensis seed advertised in your columns is so high that it arrested my attention when reading the advertisement. Here thousands of pounds of these seeds are annually consigned to the brush pile; they are the cause of a good deal of profanity and hard work in keeping lawns free from the seedlings underneath the parent trees.

P. D. B.

Baltimore.

News Notes.

The present balmy Spring weather is beginning to force vegetation to a considerable extent. Ventilators are wide open. Lilies, roses, carnations and even bulbous stock (anything under glass) are fast going to pieces before Easter week has arrived.

The Gardeners' Club held a well attended meeting last week. The question of home-grown seedling lilies was brought up, and F. C. Bauer and other successful growers spoke on the subject. Mr. Wm. Lanahan, through his gardener, J. Kepplinger, extended an invitation to the club to visit his beautiful estate, "Blenheim." The date will be the last Wednesday in May; a good time is assured.

The Gardeners' Club at its recent meeting adopted resolutions of respect to the memory of Professor Willis G. Johnson who died in New York City on March 11. Professor Johnson was formerly the State entomologist of Maryland, and was much esteemed and very popular among the florists and horticulturists.

Another link has been added to the chain of parks purchased in the last year or so by the Park Board. The latest acquisition is known as Evelyn Park, a beautiful tract of land bordering on Herring run and Harford road. This property will be connected with the other parks of the city by a boulevard traversing Herring run front.

The Johns Hopkins University proposes to establish an arboretum on its new grounds, "Homewood Park." A conservatory and greenhouse will be erected which will house medicinal, economic and other plants. There is sufficient room at "Homewood" to make a model botanic garden for instruction of the students; soil conditions, etc., are highly favorable.

C. L. S.

MIDDLETOWN, CONN.—The overturning of a lamp in the office of F. B. Fountain, the florist, started a blaze which did considerable damage to the floor and the woodwork.

Kalamazoo, Mich.

Trade Notes.

Changes reported in the volume of business are of a more cheerful nature. While prices are no higher supplies are being more closely used up and special clearance sales are not in evidence. The cuts of carnations and bulbous flowers are becoming much lighter and it looks just now something like a scarcity of carnations for Easter. Still there is an abundance of pot plants, roses and bulbs of all kinds all around, so there will be no lack of stock to meet all demands not only at Easter, but all through the balance of the season.

With the possible exception of carnations, I don't look for any very high prices to prevail. Lilies will be abundant and of good quality. Van Bochove has a house of them timed finely for the Easter trade; also nice batches of cinerarias, tulips, daffodils, etc., as well as the usual run of stock for the pot plant trade. The firm is now drafting plans for the removal of the Third street greenhouses to the Rose Hill plant and erecting likewise offices, storage rooms, salesroom, etc. When completed there will be some 150,000 feet of modern greenhouse construction. Mr. Van Bochove says the business has shown continual advance in spite of the general depression this season.

F. Meyers (The Riverside greenhouses) has sold the place to a gentleman from Pennsylvania, who will, however, not take possession till June next. Mr. Meyers' plans for the future are at present undecided.

S. B.

LONDON, ONT.—Since last writing business has picked up in good shape; small plants are moving actively at wholesale and trade is brisk at retail.

J. H. Taylor has bought out the store known as the Canada Floral Company.

Gammage & Sons have opened a store in Chatham, Ont., and one in Petrolia, Ont.; they intend, if it pays, to run a series of retail stores in the near future.

Stands by the Mistletoe.

An amendment to the Agricultural Appropriation bill offered by Mr. Burleson of Texas, providing means for exterminating the mistletoe as a parasite harmful to trees, provoked much heated discussion in the House on Monday, March 30.

No sooner had the unromantic amendment been read than a storm of protest arose.

"I should like to ask if the gentleman is single?" put in Mr. Douglas.

"And I should like to know," said Mr. Olmsted, "whether the gentleman means this cruel measure to go into effect in leap year?"

"And does the gentleman value the forests of the future more than the poetic associations of the past?" asked John Wesley Gaines.

Mr. Burleson tried to explain the necessities of the case, but Mr. Gaines had started on the subject of sentiment and could not be stopped.

"I call up to your memory," he said, "all the glowing thoughts that ever came to you under the mistletoe. I call upon the gentleman who has just left the chair, Mr. Nicholas Longworth, to tell you his experiences, and I call upon the whole House to remember similar experiences and vote down this amendment."

The amendment was killed amid shouts of laughter. — N. Y. Times.

DAVENPORT, IA.—The Tri-City florists were out in numbers Thursday evening, March 19, the occasion being the second annual banquet of the association, which was held at the Rock Island Turner hall. All the florists of the three cities were present with one exception and that was on account of sickness. The company was a merry one, and they were short talks by each member. If Kelm of Chicago was the out-of-town guest, and he gave some of his experiences in the business. The members of the Rock Island Turners' Singing section entertained the florists with some very good musical numbers, and Theo. Ewald of Davenport also contributed several vocal solos. The toastmaster of the evening was William Kneib, president of the Tri-City Florists' association.

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the finest lot of Plants we have ever handled.
Write for our list if you have not received one.

AZALEAS

the best varieties, at the following prices: 75c., \$1.00, \$1.25, \$1.50, \$1.75, \$2.00, \$2.50, \$3.00, \$5.00, \$6.00, \$8.00, \$15.00.

AZALEA MOLLIS

\$1.25, \$1.75 and \$2.50.

SPIREA GLADSTONE

\$7.50 to \$12.00 per doz.

SPIREA

exceptionally fine, \$4.00, \$5.00, \$6.00, \$7.50, \$9.00, \$12.00 per doz.

LILIES

12 1/2c., best stock around Philadelphia.

CUT LILIES

12 1/2c. to 15c. per bud and flower.

WE will have a fine assortment of **Bulbous Stock**, such as **HYACINTHS** and **DAFFODILS**, in pans from \$6.00 to \$12.00 per dozen. This stock will be in prime condition, but ought to be shipped before it is too open.

S. S. Pennock-Meehan Co.

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American Beauty

And all Other ROSES

Carnations

Violets

Lilies



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Florists**

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NEW YORK

St. Louis.

News Notes.

There was quite a delegation of traveling salesmen from the Quaker City here the past week calling on the trade. They were Martin Reukant of H. Bayersdorfer & Company, E. J. Fancourt of S. S. Pennock-Meehan Company, J. J. Karins of H. A. Droer, Inc., and S. S. Skidelsky. All reported a good business trip.

Mrs. William Ellison of the Ellison Floral Company has returned from Chicago, where she went to visit her son Arthur, who is at Vaughan's Greenhouses at Western Springs, Ill. She also made arrangements for stock for her Easter trade.

April 10 is set aside for Arbor Day by the Forestry Committee of the St. Louis Federation of Women's Clubs. The committee has sent out 1,000 programs to the public schools. All the children are to plant trees on that day and Governor Folk is down for a speech on "Nature Creed."

The Engelmann Botanical Club held its regular monthly meeting on Monday night in the Central High School Building. President Thompson presided, and Dr. W. J. King read a paper on "Perfume and Perfume Plants." The doctor also exhibited plants from which the perfume is extracted. There was a large attendance.

Among the local greenhouse men who are well supplied with extra fine plants for the Easter trade are Charles Beyer, C. C. Sanders, G. B. Windler, William Schray & Sons, Henry Felzer and J. W. Dumbord.

Al Shaw's Garden Magnolia Soulangiana is in full bloom. The flowers were badly nipped by the heavy frost on Thursday of the past week; fruit trees were also badly damaged. Tulips and hyacinths are now in full bloom in nearly all the public parks.

The florists west of Grand avenue are making fine displays of blooming plants; they have the advantage of having show houses. Among them are Fred C. Weber, J. P. Windt, Kalish & Sons and F. H. Weber. Plant trade is reported good.

The Grand Leader, one of our largest department stores, has a plant department in charge of Frank Burkhardt, who

was formerly in the retail business here. The house advertises special sales every day and reports a rushing business.

Chairman Charles Schoenle of the Florists' Club's trustees will call a meeting of the trustees this week and start the ball rolling for an early outing of the florists. Carl Beyer and W. C. Smith are the other trustees. They say they will spring some new features this year, but the usual ball game between the wholesalers and retailers will again be the feature of the outing. Arrangements will be reported at the next club meeting.

St. PATRICK.

Detroit.

News Notes.

Business conditions were the same last week as the previous one, when plenty of flowers and plenty of time were at everybody's hand to do a great deal more work.

George Heinal and F. McGee from Toledo were here last week.

M. Bloy, formerly of Reinberg & Weil and, New Castle, Ind., was introduced to the boys by George Raackman, whose greenhouses and grounds Mr. Bloy has recently bought. A hearty welcome and best of luck to him.

Wm. B. Brown, the hustling Woodward avenue florist, made good use of the present dullness in business by repainting and cleaning his already attractive little store.

Florists' Club.

The members turned out in full force at the last meeting, being especially attracted by the promised exhibition of Easter plants. Robert M. Rahaley and Albert Sylvester did fine work in the staging of all the plants sent in. F. Miesel & Sons brought a tub of assorted snapdragon and well-done pot plants of American Beauty, hydrangeas, Pringla oleonica, Baby Rambler, pink and white spiraeas, forget-me-not, and heliotrope. Charles Plum's exhibit comprised mostly potted tulips, daffodils, hyacinths, lilies, roses, and also vases of Mrs. Lawson and Enchantress carnations.

John B. Dionser exhibited lilies, spiraeas and very good ferns in pots. Beard Brothers showed nice ferns in pans, besides potted tulips, hyacinths, daffodils,

spiraeas and azaleas. Gus. H. Taepke filled a large table with exquisite Baby Rambler and hybrid roses in pots, also very good pink spiraeas, azaleas, rhododendrons, metrosideros, snowballs, etc. James Taylor, Mt. Clemens, sent down the best two vases of snapdragon. John Breitmeyer's Sons exhibited elegant pink and white spiraeas, hydrangeas, lilies, Rambler roses, and azaleas. Robert Klage, Mt. Clemens, sent a full line of bulbous flowers, very good callas, lily of the valley and exquisite Kaiserin Augusta Victoria and La Detroit roses. This firm promises 50,000 violets to the Michigan Cut Flower Exchange for Easter. Fred Kolbe had on exhibition by far the best Mrs. Lawson, White Lawson and three varieties of Enchantress. A great attraction was the exhibit of the Department of Parks and Boulevards, especially a fine collection of calceolarias, hydrangeas, cyclamen, bleeding heart, genistas, and the black calla.

The evening was enjoyed by all, made still more instructive by Philip Breitmeyer, who spoke of his recent Southern trip. George E. Brown's recitation of his poem "The Echo" brought forth much applause.

A check forger named George R. Muckey, from Denver, Col., who is now in custody, victimized some of our local florists before he was finally landed in the toils by Hugo Schroeter.

F. D.

Toronto, Ont.

Business has been rather flat during the last week, and prices of cut stock have fallen severely. Carnations are as low as I have ever seen them; even really good stock has been offered at any old price. Bulbous stock and violets have also been very low.

The meeting of the executive committee of the C. H. A. at Niagara Falls was a good one, and there is no doubt the convention of this year will be a banner one for the members. All feel that the intercourse with our brethren on the border will be beneficial to those who attend. The C. H. A. decided not to have a trade exhibit this year but to advise members who have anything of interest to put up, to show it at the exhibit of the S. A. F. O. H. on the other side of the river.

The Ontario Exhibition Association had an organization meeting on the 27th ult., and decided to hold the show this Fall in the St. Lawrence Arena, if possible. Mr. Bunting of St. Catherine's was elected president and Mr. Percy Hodggett secretary. Mr. C. M. Cowan, who has been secretary since the start, had to give up the office, having removed to Peterborough. The members passed a resolution, thanking him for what he has done to put the show in the position it is in. It was decided to ask the Ontario Government to incorporate the association.

The Toronto Horticultural Society has taken a decided step in advance this Spring in getting the owners of some of the best local greenhouses to throw them open to the members occasionally; Saturday afternoon has been the time chosen so far. They first visited the Steele Briggs place and were so interested by what they saw in commercial plants and stock for Spring trade that when Dunlop's place was opened to them they went there in larger numbers. Here again they were much interested, the stock of plants being grown for cut flowers astounding many of them. Last Saturday they were invited to the greenhouses of Sir Henry Pellatt; this is the first private place they have visited and here they were splendidly entertained. Sir Henry and Lady Pellatt met the visitors and personally made them welcome. The greenhouses are in fine order and a great credit to the gardener, Tom McVittie. The orchids are growing well, but there are not many in bloom just now. Crotons and other choice foliage plants are very fine; the amaryllis and gloxinias were exceptionally good. A nice collection of auriculas was much admired, and many of the visitors were interested in the show of cucumbers and tomatoes grown in one of the houses. The houses are all filled up and there did not appear to be a poor plant in any of them. Sir Henry provided a plentiful supply of high-class refreshments to the members, who all agreed they had spent a pleasant and profitable afternoon. These meetings will certainly do much good in furthering the knowledge of high-class floriculture among our citizens.

THOS. MANTON.

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AMERICAN BEAUTIES
BRIDESMAIDS
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LILIES
CARNATIONS
BULBOUS FLOWERS, Etc.

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57 WEST 28th STREET, NEW YORK

P. Welch on His Chicago Trip.

The following conversation took place one day recently between your Boston representative and P. Welch, the well-known wholesale florist of Boston, Mass., who had just returned from attending the American Rose Society's convention in Chicago:

"How did the flower show compare with what we have seen in the East?"

"They certainly put up an excellent exhibition, lacking only the fine exhibits of Rambler roses, such as we have seen M. H. Walsh stage here in Boston, or at the Washington meeting."

"How did the Chicago retail stores impress you?"

"They are made to look attractive, and while the average store is not so large as those in New York or Boston there are a few very large ones. I think they carry a more extensive stock of goods and display them in the windows and other parts of the store, seldom keeping their stock in the icebox as is done in the Eastern cities. It is a common thing to see a sign announcing special sales of certain flowers, at so much per dozen, when most of them could easily fill an order for several thousands of the same flowers. They carry an equally large stock of all kinds of flowers."

"What about the wholesalers?"

"There certainly is a large number of wholesale houses in Chicago, all in close proximity, or at least within a radius of ten blocks. They can be divided into three classes. First, those who confine themselves absolutely to the sale of their own products; second, those who sell their own products and consignments from other growers; third, those who are engaged in selling on commission only. Most of their stores are either in basements or the second story of buildings; few, if any, are on the ground floor. In looking over these wholesale places the idea occurred to me, what a fine thing it would be if all the interests would consolidate, and hire or erect a building and the different wholesale houses lease rooms in said building. It would seem as if the cost of attending to the sale of goods and rents could be reduced quite considerably."

"Did there seem to be much business going on?"

"Well, they seemed to be all making sales, but at no time could I discern any rush, either for shipping or for city trade."

"Do you think they get any better prices than they do at wholesale here in Boston?"

"I have no means of knowing what the general average for any commercial flowers through the month or year would be, but judging from the figures goods were offered at the week I was there, our market seems somewhat stronger and able to secure higher values."

"What did you see among the growers?"

"I did not have an opportunity to visit many of them, but I think it goes without saying that Poehlmann Brothers Company's establishment is one of the largest and most complete in the country, with machinery for pumping water, running dynamos for making electricity and running a cold storage plant, besides a spare track running into the sheds from the main railroad track. Nothing seems to be overlooked in this

HART'S HANDY HANDLE

Will increase the value of your **Easter Plants** from 50 to 100%

One of our many duplicate orders:



Finished in Willow Green Enamel

	Per doz.	Per 100
No. 1 10 inches high	\$1 75	\$12 00
No. 2 14 " "	2 00	15 00
No. 3 18 " "	2 50	18 00
No. 4 23 " "	3 00	20 00
No. 5 30 " "	3 75	25 00
No. 6 40 " "	4 45	35 00

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Or direct of **GEO. B. HART, MANUFACTURER, 24 Stone St., Rochester, N. Y.**

Kansas City, Mo., March 31, 1908.

Dear Sir

Kindly ship us by freight at once, 25 14-in., 50 1-in. and 25 24-in. Handles. Kindly ship these at once in order that we can have them before Easter.

Very truly yours,

WM. L. ROCK FLOWER CO.
Per Wm. L. Rock.

respect. The houses are all built on the ridge and furrow plan with a center walk, from which on either side runs bench after bench (there are no solid beds), of American Beauty, Bride, Bridesmaid, Killarney, Richmond, and many of the newer varieties, all growing and flowering in the most prolific manner."

"They grow lots of carnations there, too, do they not?"

"Yes; what to my mind was the most beautiful sight, was to look over the benches of carnations, some 180,000 plants, all a mass of flowers of a very high grade. At Peter Reinberg's, the only other grower I had time to visit, everything looked well. This also is a very large establishment. The Chicagoans did everything in their power to make the convention a success, and the comforts of all visitors were well looked after."

J. W. DUNCAN.

ATLANTIC CITY, N. J. Louis Nagy, florist at 1501 Pacific avenue, was found unconscious in a gas-filled room in rear of his store on the morning of April 1, and is believed to have attempted suicide. There are grave doubts of his recovery.

New Orleans.

News Notes.

The crops of lilies grown under glass in the vicinity of this city this year are nearly all too far advanced for Easter; in fact, great numbers of them are already open. It has been found impossible to keep them back on account of the unprecedented hot weather prevailing for so early in the season. From present indications the outdoor crop will be just about in.

Two vines that are very much planted here are Bignonias Tweediana and laurifolia, and at the time of writing they are covered with their beautiful flowers. Tweediana often takes full possession of a tree, or climbs to the top of a lofty building, and for a few weeks in the Spring it is literally a shower of gold. Laurifolia, not as rampant a grower as its mate, is generally trained on a trellis or in front of the verandas, and produces its delicate lavender colored flowers profusely. Another showy plant in bloom at the present time is Amaryllis Johnsoni; these are to be found in enormous numbers in New Orleans gardens, planted in masses and rows. The effect while they last is gorgeous. CINCINNATI.

Cincinnati.

News Notes.

Ben George of this city was the victim of a swindler last week, who practiced the old game of ordering flowers for an alleged customer and then appropriating the goods. The scamp has been arrested.

J. McKeeory, representing Bayersdorfer & Company, Philadelphia, was in the city April 2.

The past week has shown some improvement, stock having shorted quite a little.

We are not at all in love with the Greeks for a steady diet, and they are certainly the limit. Three carnations with ferns are sold on the street for 5c., and the same applies to American Beauty.

The outlook for Easter appears good to me. I think we shall have a fair supply of stock and that good prices will prevail.

E. J. Fancourt of the Penneck Meehan Company of Philadelphia is in the city in the interest of his firm. E. G. G.

ANN ARBOR, MICH. G. Bissel, florist, was recently the victim of a check forger to the tune of \$1850.00. flowers, \$12, and \$6.50 in change.

1887 **EASTER GREETING** 1908

FROM
J. K. ALLEN

The best wishes extended to all the trade.

PLACE your orders for cut flowers with me. They will be given special attention. I handle only for the best growers, **ROSES, CARNATIONS** and **VIOLETS**, with all other varieties of flowers too numerous to mention.

Write for price list.

J. K. ALLEN

106 WEST 28th STREET, NEW YORK CITY

Telephone, 167 Madison Square

Open at 6 A. M. every morning

New York.

News Notes.

The next meeting of the New York Florists' Club will be held on Monday evening, April 13, in the Grand Opera House Building, northwest corner of Twenty-third street and Eighth avenue. Without a doubt the majority of the club's members will be glad to again assemble in this favorite meeting place, and it is expected that there will be a large attendance. Secretary John Young informs us that there will be an extensive exhibit of roses, many new and interesting ones among them.

Next week will be Easter, one of the banner seasons of the year for the florist's business, and it is to be hoped that the trade will take on a spurt, so that everything marketable can be sold at profitable prices and help to redeem somewhat the rather poor business that has been the rule throughout the winter. It can safely be said that in cut flowers and plants this market offers a line of stock to the out-of-town florist such as can be obtained in no other city. To the florist seeking cut flowers or plants for next week, we would advise him to consult the advertisements carried in this issue covering this section. The best of the trade is here represented, and it goes without saying that orders placed with any of them will be carefully executed, and the customer may rest assured that he will get a square deal.

The Brooklyn Daily Eagle for some time past has been reviewing and writing up the industries of that part of Greater New York, and Saturday the subject was "Florists and Seedsmen." The paper devoted several pages to views of various florist establishments in and around Brooklyn, and also secured a fairly liberal line of advertising from the different firms mentioned in its columns. Among the portraits illustrated was one of Major Wm. P. Stead, who is a florist and landscape gardener at Ozone Park, and a survivor of those who escaped from Libby Prison in 1864. It would seem to us that this effort on

the part of the Brooklyn Eagle is a very commendable one, giving prominence to the florist trade, and must do a great deal of good to the business in general.

A meeting of the directors of the Cut Flower Exchange was held in the offices at Twenty-sixth street and Sixth avenue on Saturday morning, April 4.

Chas. E. Robinson, florist at Peekskill, N. Y., has moved from 806 South street to 966 Main street.

Mr. and Mrs. Alex. B. Scott of Sharon Hill, Pa., sailed from New York on Saturday, April 4, on the steamship Caledonia for Europe. They will go to Newtownards, Ireland, to visit the Dickson Nurseries, and while there Mr. Scott will give testimony in the trial that is going on with respect to the alleged infringement by another firm of the Dickson & Sons firm name. W. Atlee Burpee of Philadelphia was in town to see Mr. and Mrs. Scott on board, and referring to the demise of Mr. E. D. Darlington, so long in the services of his company, Mr. Burpee says the death of Mr. Darlington was the greatest shock he had received since the loss of his mother.

Frank S. Hicks & Company of 52 West Twenty-eighth street will, in the near future, move to the parlor floor of 39 West Twenty-eighth street, which is directly above the store occupied by Walter E. Sheridan.

Samples of lily plants are already seen around the city, and the asking price for Easter for good stock seems to prevail at 12c. per bud or bloom.

The early morning market, which holds forth every Spring at the corner of Canal and Washington streets, was started a few days ago in the open air. The tent will be erected within a few days. So far business has been fairly good, stock clearing out at the usual market prices.

Among visitors in town this week was Peter Crowe, Utica, N. Y., making his annual Spring visit.

The members of the New York Florists' Bowling Club are showing a great deal of enthusiasm over the transportation prizes offered by President F. H. Traendly and there is a good attendance every Friday night. In addition to the Traendly prizes, the president of the bowling club, W. E. Marshall, offers a box of cigars and a pruning knife to those

who make the highest average during the month of April. The scores made on Friday evening, April 3, were as under:

W. E. Marshall.....	154	164	131
N. Schreiner.....	121	111	146
F. H. Traendly.....	154	142	144
P. O'Mara.....	139	105	
Jos. S. Fenrich.....	156	194	144
Jos. A. Manda.....	157	164	162
John Young.....	129	109	104
Chas. H. Totty.....		123	146
A. S. Burns.....		105	100
R. Schultz.....			77

Utica, N. Y.

News Items.

On Thursday evening, April 2, Dr. W. A. Rowlands entertained the Utica florists at his greenhouses at Whitesboro. The feature of the occasion was a winter clam bake, which was regarded as a novelty and proved in every way as enjoyable as a summer bake. The bill of fare consisted of oysters, clams, chicken, sausage, potatoes, lobster, clam chowder, coffee, etc. The tables were arranged in the large shed adjoining the greenhouses which had been decorated for the evening. An orchestra played a fine selection of music and the company, which sat down at 9 p. m., did not separate until the near approach of the "wee sma' hour." A. J. Watkins read a very able and interesting paper on "Carnation Culture" and at the close he answered a number of questions.

The club officers nominated for the ensuing year are: F. J. Baker, president; Seward Hakes, vice-president; C. F. Seitzer, treasurer; J. C. Spencer, secretary. The election will take place at the next regular meeting, which will be held on May 7 at Mr. Seward Hakes' place at Hion, N. Y. It is the desire of Mr. Hakes that every member will endeavor to be present.

Peter Crowe has just returned from the rose show in Chicago. He speaks in glowing terms of the fine time he had there. On his homeward journey he stopped over at Buffalo and Syracuse and called on a number of old friends, including William Scott and P. R. Quinlan. He is now cutting some very fine flowers from his new house of roses, planted January 29; he expects to plant

three or four more houses this season, and he will probably be heard from when the rose show is held in Buffalo next year.

I called on William Matthews & Sons a few days ago and was very cordially received by Mr. Matthews and his son Harry. They were very busy handling bulbs for Easter. They have a fine lot of lilies and azaleas. Carnations were in fine crop; roses a little off for Easter, but orchids are a fine lot. A new importation of orchids is expected, and the firm contemplates the building of another orchid house this season.

Baker & Son have a nice lot of lilies and other goods for Easter.

Frank McGowan has a grand supply of carnations, sweet peas and bulbous plants for Easter.

C. F. Seitzer is cutting some extra fine Golden Gate; also Uncle John.

W. A. Rowlands' place is in fine condition and he will have a good cut of carnations for Easter. He is also growing 11,000 geraniums this year; all are now in 4-inch pots. He has about 20,000 young carnations for next year's planting.

E. J. Byam of Rome has his houses all right for Easter. He has a good lot of plants, but will be a little short of roses; there are some extra fine hydrangeas.

Jack Coakley of the Scranton Supply Company, who was here a couple of days last week, reports trade good—much better than he expected.

Brant Bros. will have a big cut of roses from their fifteen houses for Easter. M. Lowery will also have a good supply.

Members of the trade here anticipate a fairly good Easter business. Prices for the past two weeks have been low.

QUIZ.

LANCASTER, PA.—Daniel K. Herr of this place has a splendid line of fancy coleus which he is offering this Spring. Mr. Herr has been making a specialty of coleus for some time, selecting and getting together varieties combining the most ornamental features, together with their adaptability for commercial purposes, until now he has almost forty kinds, each one possessing a distinct beauty of its own.

J. K. ALLEN
Wholesale
Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 a. m. every day
Telephone, 167 Madison Square
Consignments Solicited

C. BONNET **G. H. BLAKE**
BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4638 Main
Consignments solicited. Out-of-town orders carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Ave. and 26th St.
Coogan Building, NEW YORK
Open every Morning at Six o'clock for the Sale of Cut Flowers.
Wall Space for advertising purposes to Rent.
V. S. DORVAL, Jr., Secretary.

J.S. FENRICH
Wholesale Florist
THE RELIABLE HOUSE
Valley Gardenias
110 West 28th Street
Telephone 324-325 Madison Square

FORD BROS.
Wholesale Florists
48 WEST 28th ST., NEW YORK
Telephone, 3570-3571 Madison Square

GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
114 West 28th Street
Phone, 551 Madison Square NEW YORK
Violets, Roses, Carnations, Orchids
Established 1888

Frank S. Hicks & Co.
WHOLESALE FLORISTS
52 West 28th Street, New York
Tel. 2920 Mad. Sq.

WILLIAM H. KUEBLER
Wholesale Commission Dealer in
CUT FLOWERS
28 Willoughby St.,
Telephone 4591 Main BROOKLYN, N. Y.



GEORGE SALTFOORD
Wholesale Florist
CONSIGNMENTS SOLICITED
46 West 29th Street, New York
TELEPHONE: 3393 MADISON SQUARE

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
JAMES McMANUS, Telephone 759 Mad. S. 42 W. 28th St., New York.

A. M. HENSHAW
WHOLESALE COMMISSION FLORIST
Consignments of first class stock solicited. Prompt returns.
THE SQUARE DEAL 44 West 28th Street, NEW YORK
Guaranteed to all who trade here. Tel. 5383 Madison Square.

Alexander J. Guttman
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES. 1664--1665 MADISON SQUARE
ENOUGH SAID

ALFRED H. LANGJAHR
55 WEST 28th STREET, NEW YORK
Telephone, 4626-4627 Madison Square Established 1891
SPECIAL VALLEY AND TOP GRADE ASPARAGUS
Consignments of First-Class Stock Solicited

Horace E. Froment
WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephone, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, April 8, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy—special....	10.00 to 15.00	Carnations	10 1/2 grades, all colors.....	.50 to 1.00
	" extra	8.00 to 10.00		STANDARD { White .....	.75 to 1.00
	" No. 1	6.00 to 8.00	VARIETIES { Pink .....	.75 to 1.00	
	" No. 2	5.00 to 6.00		Yel. & Var.....	.75 to 1.00
	" No. 3	2.00 to 3.00	*FANCY—	White	1.00 to 2.00
	Bride, Maid fancy—special....	4.00 to 5.00	("The highest	Pink	1.00 to 2.00
	" extra	2.00 to 3.00	grade of	Red	1.00 to 2.00
	" No. 1	1.00 to 2.00	standard var)	Yel. & Var.....	1.00 to 2.00
	" No. 2	to 1.00	NOVELTIES		
	Golden Gate.....	1.00 to 6.00	GARDENIAS, per doz.....	1.00 to 3.00	
	RICHMOND	1.00 to 8.00	LILAC, per bunch.....	.50 to .60	
	Mme. Abel Chatenay	1.00 to 6.00	LILIES.....	3.00 to 8.00	
	ADIANTUM .....	.50 to .75	LILY OF THE VALLEY	1.00 to 2.00	
	CROWNEANUM	1.00 to 1.50	MIGNONETTE	3.00 to 6.00	
	ASPARAGUS	25.00 to 50.00	NARCISSUS (Paper White)	to 1.00	
	Plumose, bunches.....	15.00 to 25.00	Yellow.....	to 1.00	
	Sprengerl, bunches.....	15.00 to 25.00	POETICUS.....	to 1.00	
	CALLAS.....	6.00 to 8.00	SMILAX.....	8.00 to 15.00	
	CATTLEYS.....	40.00 to 50.00	VIOLETS.....	.25 to .40	
	CYPRIPEDIUMS.....	5.00 to 8.00	CORNFLOWERS.....	to 1.50	
	DAISIES.....	2.00 to 3.00	HYACINTHS, Roman .....	.50 to 1.00	
	FREESIA, per bunch.....	.10 to .20	SWEET PEAS (per doz. bunches) .....	.75 to 1.00	
			TULIPS.....	1.00 to 2.00	

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Liberty,
Lilies, Lily of the Valley, Carnations
Telephone, 1998
Madison Square **JOHN I. RAYNOR,** 49 WEST 28th ST.,
NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463
MADISON SQUARE CUT FLOWERS AT WHOLESALE

J. Seligman Joseph J. Levy
JOHN SELIGMAN & COMPANY
WHOLESALE FLORISTS
56 WEST 26th STREET
Tel. 4878 Madison Square, N. Y.
Opposite New York Cut Flower Company

B. S. Slinn, Jr.
Wholesale Florist
55 & 57 West 26th St., New York
VIOLETS Carnations
and Roses
Shipping orders receive prompt attention.
Telephone: 384 Madison Square

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
WHOLESALE FLORISTS
44 West 28th Street, New York
and Cut Flower Exchange
Telephones: 798 & 799 Madison Square
Consignments Solicited

Samuel A. Woodrow
WHOLESALE PLANTSMAN
Out of town orders promptly attended to
53 West 30th St., NEW YORK
Telephone, 2083 Madison

JOHN YOUNG
Wholesale Florist
51 W. 28th St., New York
TELEPHONE: 4463-4464 MADISON SQUARE

THOMAS YOUNG, Jr.
FLORIST
500 Fifth Avenue, NEW YORK
Telephone, 847 Bryant

Washington, D. C.
Trade Notes.
Since last report the excess in stock has modified considerably, due to a sudden drop in temperatures and the off crop period. After a prolonged warm bright spell of weather came several very dark days and then freezing. This was a fortunate condition for the grower, for everything was advancing too rapidly. Thus far fruit trees, which are well advanced with bud, have escaped injury, as it was very dry and windy during the cold snap.
Stock is rather scarce at present. Easter coming on April 11 next year will tend to lessen the usual glut occurring about that time. So far as can be learned the prospects for good sales at fair prices are excellent for this Easter. Many local florists have already gone to other cities seeking stock for the occasion. Wm. F. Gude has been in Philadelphia.
J. A. Peterson of Cincinnati has been in Washington with a wagon load of specimen plants, exhibiting them among the stores and looking orders.
The funeral of Mr. Solomon Kann, which took place on Sunday, occasioned much fine funeral work.
JAS. L. CANNON.

RICHMOND, VA. Mrs. Maria L. Amory, mother of William L. Amory, florist, 510 North avenue, Brookland Park, died March 27, 1908. Her son has for a number of years been engaged in the florist business in Barton Heights and Brooklyn Park.
HUTCHINSON, MINN. The Litchfield greenhouse, owned by Allen Wheeler, was almost totally destroyed by fire recently. What plants were not killed by fire were frozen.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

FOR EASTER Ramblers, \$1.00, \$1.25, \$1.50, \$2.00, \$2.50. Easter Lilies (plants and cut), 12 1/2c. per flower. Also a choice stock of other plants. Prices on application.

1608 to 1620 LUDLOW STREET Store Open 7.30 A. M. to 8 P. M.

Easter Lilies

Will have a very large supply of Lily Plants for Easter. Get our prices before placing your orders.

The Leo Niessen Co. WHOLESALE FLORISTS 1209 Arch Street, Philadelphia

CARNATIONS A SPECIALTY

CARNATIONS ROSES VIOLETS, VALLEY.

GEO. B. HART, Wholesale Florist, 24 Stone St., ROCHESTER, N. Y. Mr. Hart's Handy Handle.

Headquarters in WESTERN NEW YORK

For Roses, Carnations

And all kinds of Seasonable Flowers.



WM. F. KASTING CO.

Wholesale Commission Florists Dealers to Florists' Supplies and Wire Designs 383-87 E.cott St. BUFFALO, N. Y. Give us a trial. We can please you.

BERGER BROS.

WHOLESALE FLORISTS No. 1305 Filbert St., Philadelphia Bell and Keystone Phones

H. G. BERNING

Wholesale Florist 1402 Pine St., St. Louis, Mo.

PHILADELPHIA CUT FLOWER CO.

WHOLESALE FLORISTS 1517 SANSOM STREET High Grade Cut Flowers Store opens at 7.30 A. M. Closes at 8 P. M.

ST. PAUL, MINN.—Edward C. Parker, assistant to Professor Samuel B. Green in the department of horticulture and forestry in the Minnesota School of Agriculture, has accepted a position to found an experiment station in agricultural work in Mukden, Manchuria. Mr. Parker is a resident of St. Anthony Park, a graduate of St. Paul schools and of the Minnesota University, and has had several years of practical work in his department. Besides this he is already well known as a writer of good ability. Mr. and Mrs. Parker expect to leave in June and remain abroad five years.

Boston.

The Club Banquet. The banquet of the Gardeners and Florists' Club on Wednesday of last week, although held in the middle of the Lenten season, was one of the most successful ever enjoyed by this live body. About two hundred were present. The genial treasurer of the club, Edward Hatch, was master of ceremonies, and as he is a past master in this office he made it enjoyable for everyone, even those he called on to speak. After the dinner the toastmaster called on President Westwood, Secretary Craig, Vice-President Downs and J. K. M. L. Farquhar, each of whom devoted a few minutes to the entertainment of their listeners. Songs were sung by Mrs. Whittier, by Mr. Connolly and by Miss Hannigan, the latter proving her abilities so well that by special request she sang in her inimitable manner, "Killarney" and "Comin' thro' the Rye." A pretty feature of the evening was the presentation to Miss Hannigan of a bouquet of orchids by J. Lawson. The decorations were very tastefully arranged, Edward MacMulkin having had charge of that part of the program. William Sio, in his magnanimous way, presented each lady present with a bunch of violets; and a very fitting act of the toastmaster was his appointing Duncan Finlayson to select a bunch of the best roses and sweet peas from the tables to be presented to Governor Guild, who is still very ill at his home. Promptly at ten o'clock the hall was cleared for dancing and for several hours the Paragon orchestra was kept busy, while everything on the floor went smoothly under the able guidance of floor director Peter M. Miller, assisted by W. J. Collins, J. Lawson, Wm. Wylie, Jas. L. Miller, and Alex. Lowe.

News Notes.

W. H. Elliott and Mrs. Elliott have gone to Bermuda for a few weeks. W. A. Hastings, salesman for the A. H. News Company, flower pot manufacturer, has returned from a very successful trip in the West. Vice-President E. L. Pierce and H. C. Harris have been in Chicago the past week, arranging for the opening of the distributing warehouse, which the firm intends to fill the demands of its ever increasing trade in the West. Paul Richwagen has a very fine grade of anthurium at present. Welch Brothers say the Easter trade outlook is good; their orders for lilies in crates, of which they make a specialty, have been coming in fast and they expect a substantial increase in trade over last year. J. W. DUNCAN.

Wholesale Prices of Cut Flowers—Per 100

Table with columns for Boston, Buffalo, Detroit, Cincinnati, Baltimore, Milwaukee, Philadelphia, Pittsburg, and St. Louis. Rows list various flower varieties like A. Beauty, Bride, Golden Gate, etc., with prices per 100.

BOSTON, MASS.

Asparagus Plumosus Killarneys Richmond's Brides, Maids American Beauties Kaiserin

WELCH BROS.

PROPRIETORS CITY HALL CUT FLOWER MARKET 226 Devonshire Street.

Carnots Orchids Valley Carnations Violets

A Wonderful Achievement.

Rastus—Has you heard 'bout dat wizard, Burbank? Ephraim—I has not. What 'bout him? Rastus—Reports being true, his latest stunt will be a wonderful thing for de colof race. If I understands dis thing 'rectly he is now 'sessfully graftin' watermelon vines on a person's body.—Exchange.

SCHENECTADY, N. Y.—S. Charles Limmer will move his store from 126 Jay street to 321 State street about May 1. The new location is in the center of trade and the outlook for a good business is a bright one. The store is to be remodeled with a new front; other changes are also to be made. Mr. Limmer is at present making extensive preparations for an unusually busy Easter business. S. B.

Pittsburg Cut Flower Co. LIMITED WHOLESALE FLORISTS 222 Oliver Ave., Pittsburg, Pa.

EDWARD REID

Wholesale Florist 1526 Ranstead St., PHILADELPHIA Bet. Market and Chestnut Streets. CHOICEST STOCK ALWAYS ON HAND Telephone: 1-42-26-A.

DAYTON, O.—Judge Brown, in chambers, referred the matter of the Albough Nursery Company, and approved the action of the attorneys in the premises, and ordered the pro-rating of costs and taxation. He ordered the receiver to make distribution of property and tax without aid of the administrator.

GRAND FORKS, B. C.—Twiddle & Hill, extensive fruit growers in Ontario, have bought one hundred acres of orchard land here. The land was bought for \$175 per acre. The new owners will establish a nursery and plant out at least fifty acres this Spring.

ESTABLISHED 1894

Commission Handlers of CUT FLOWERS
DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS
Inside Chicago Market Quotations
A complete line of Florists' Supplies, catalogue free.
Long Distance Phone, Central-6004
Manufacturers of Wire Designs
E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES
C.C. Pollworth Co.
Milwaukee, Wis.

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.

WIETOR BROS.
Wholesale Growers of CUT FLOWERS
All telegraph and telephone orders given prompt attention.
51 Wabash Ave., CHICAGO

E. G. HILL CO.
Wholesale Florists
RICHMOND, INDIANA

Poehlmann Bros. Co.
Wholesale Growers of and Dealers in Cut Flowers
All telegraph and telephone orders given prompt attention.
Greenhouses: 35-37 Randolph St., MORTON GROVE, ILL. CHICAGO

ST. PAUL, MINN.
Send us your Orders for delivery in the Northwest, which will have our best attention.
L. L. MAY & CO., Florists, St. Paul, Minn.

All Leading Varieties of Roses and Carnations
PETER REINBERG
Wholesale Cut Flowers
51 Wabash Ave., CHICAGO, ILL.
Headquarters for American Beauty Rose

VAUGHAN & SPERRY
Wholesale Florists
Valley, Carnations and Roses
58-60 WABASH AVE., CHICAGO

THE CHRYSANTHEMUM
Arthur Herrington's New Book
The most complete and comprehensive work on the cultivation of the Chrysanthemum that has as yet been published in America.
Handsomely illustrated, 168 pages, 5 x 7 inches. Price only 50 cents, postpaid.
SEND YOUR ORDER FOR A COPY NOW.
A. T. De La Mare Pig. & Pub. Co. Ltd.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS and FLORISTS' SUPPLIES
Manufacturers of WIRE DESIGNS
457 Milwaukee St., MILWAUKEE, WIS.
Phone, MAIN 874. P. O. Box 103

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations A Specialty
WHOLESALE GROWER of CUT FLOWERS

Wholesale Prices of Cut Flowers, Chicago, April 8th, 1908
Prices quoted are by the hundred unless otherwise noted

Table with columns for ROSES (American Beauty, 36-inch stems, etc.) and CARNATIONS (White, Pink, Red, etc.). Prices are listed per hundred.

Chicago.
The Week's News.
Poehlmann Brothers Company will have a grand crop of lilies for their Easter trade. The flowers are all well set and hardened, and crated in the company's usual good style they will ship safely to any distance without danger of bruising.
The different houses of the big Morton Grove establishments will vie with each other in the production of extra fine roses for Easter week. American Beauty, Richmond, Mme. Abel Chateauy, Mrs. Potter Palmer, Bride, Bridesmaid, Killarney, Golden Gate, and Perle des Jardins, will all be forthcoming in the best condition; and as the carnation range promises a big cut the orders of the company's customers can be well taken care of. At range A there is a splendid crop of pink and yellow snapdragon, as fine as anything ever seen in the Chicago market. Lily of the valley will be in excellent supply and those who saw the company's beautiful exhibit at the rose show recently, which was awarded first prize, can rely upon getting the same grade on their Easter orders.
J. S. Wilson, for many years manager of Vaughan's Greenhouses at Western Springs, Ill., has secured the greenhouse establishment at Des Moines, Ia., lately operated by W. L. Morris, and is now operating them to advantage under the management of his sons. Mr. Wilson will sever his connection with the Vaughan establishment July 11 and assume personal charge of the plant. The establishment at present consists of seven houses, each 235 feet long, heated by steam, and planted to carnations. An additional house, 235 by 27 feet, is to be erected immediately, and when completed the entire range will be utilized for cut flowers, ferns, and plant specialties.

CHAS. W. MCKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS
51 Wabash Ave., Chicago

A. L. RANDALL CO.
Western Headquarters for Up-to-Date Florists' Supplies
Write for Catalogue
Nos. 19-21 RANDOLPH ST., CHICAGO

didates were nominated for election at the next meeting: Swan Peterson, George Schuber, James Novak, J. L. Schillo, and J. B. Neill, all of Chicago. A discussion on "How to Correct Gluts" was indulged in, after an hour's intermission, during which a substantial lunch was served. The topic evoked considerable humor among the members present, and while no solution of the problem was offered, it was the consensus of opinion that in the final disposition of unsold stock the ash barrel was to be preferred to the more philanthropic method of donating the flowers to the public institutions, as the latter plan was found to be injurious to the florists' business in that it was detrimental to the trade of reputable florists in the hospital districts. The question of holding a club picnic during the Summer was deferred till the May meeting.
A. F. Longren, Des Plaines, Ill., has made arrangements to disseminate next season the carnation Lucille, originated by Fritz Bahr of Highland Park, Ill. This beautiful carnation, white, with diffused shell pink center, has been much admired in the Chicago market this Winter, and its vigorous habit of growth and great prolificness should destine it for a foremost place in the commercial carnation classes.

The E. F. Winterson Company has made big preparations for a large Easter trade and its facilities for taking care of out-of-town orders are better than ever before. An immense supply of well-grown lilies will be a feature of the stock during Easter week; fine hard flowers with long stems and excellent foliage will stamp the lily stock as among the finest to be found anywhere. Carnations will be strongly featured among the offerings, and roses, bulbous stock, snapdragon, callas, adiantum and everything else seasonable will be ready for shipment in the pink of condition. As usual there will also be on hand an enormous stock of ferns, galax and lencothoë sprays. In the supply store there will be an extensive stock of florists' auxiliaries, and the seed, bulb, and plant department will be able to take care of orders for anything and everything.

L. J. Stuppy of the Stuppy Floral Company, Inc., St. Joseph, Mo., dropped dead on Tuesday, March 31, and was buried in St. Joseph.

J. W. Breakey, the florist at 3215 Cottage Grove avenue, will move May 1 into new quarters, now being built, at 3307, a few doors north of his present store.

John Evans, of the Quaker City Machine Company, Richmond, Ind., was in town recently, gathering orders for his challenge ventilating device. He reports the following orders lately booked, most of them covering machines for new houses, built or about to be erected: Cook, Perry & Stroog, Grand Rapids, Mich., 20 sets; Holton & Hunkel Greenhouse Company, Milwaukee, Wis., apparatus for eight new houses, each 250 feet long; C. C. Pollworth, Milwaukee, 1 set, for four 24-foot houses; Placienzial Bros., Milwaukee, 4 sets for two 150-foot houses; E. Reustler, Madison, Wis., 4 sets for four 100-foot houses; Dr. C. G. Dwight, Janesville, Wis., 6 sets for three new houses, each 250 feet long; Mr. Erickson, Sunnysdale, Chicago, 2 sets for a house 150 feet; Ed. Murat, Park Ridge, Chicago, 5 sets for five 202-foot houses; Benj. Crape, also of Park Ridge, a set for a 100-foot house; H. Schwopke, Milwaukee, a set for a 125-foot house; John Essa, Chicago, 1 set for two 200-foot houses; J. F. Kidwell, Chicago, 1 set for four 250-foot houses. Mr. Evans says business is very satisfactory with him, in spite of the reported hard times, buried April 2. J. H. Pepper.

Indianapolis.
News Notes.

Tomlinson Hall market was profusely supplied with stock during the past week. Retail trade was up to the standard, but the store men bought little.
C. C. Thomas, decorator for Bertram Brothers Company, surprised his friends with a quiet wedding.

John Grande is well supplied with Harrisii lilies and other bulbous stock for Easter.

A visit to the plant growers disclosed an exceptionally fine array for the retailer to select from.

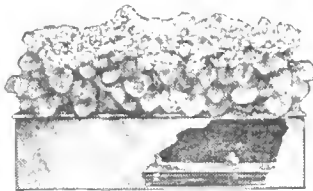
The New Castle florists supplied the winning candidate for Governor of Indiana with 20,000 American Beauties. He has race for the nomination. L. H. Anderson wonder that he won? I. B.

THE FLORISTS' EXCHANGE

SELL YOUR CUSTOMERS FLOWER BOXES AS WELL AS FLOWERS

Increase Your Sales and Please Your Patrons by Showing a Line of the

ILLINOIS SELF-WATERING FLOWER BOXES



These handsome metal window boxes, porch boxes, hanging baskets, jardiniere pans, etc., are made in twenty-five different shapes and sizes for use in all manner of places where growing plants are employed. Reservoir has to be filled with water only about once in two weeks—perfect sub-irrigation provided. The plants draw water as needed—never get too much, never get too little.

The best selling line ever offered to retail florists. Widely advertised in the leading magazines.

Your jobber will supply you, or write for handsome illustrated free Booklet to

ILLINOIS HEATER & MFG. CO. 3946 WENTWORTH AVE. CHICAGO

HARDY CUT FERNS

FANCY and DAGGER, Extra fine, \$1.75 per 1000. BRONZE and GREEN GALAX, \$1.25 per 1000, \$7.50 per 10,000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. BOX-WOOD, per bunch, 35c.; 50 lbs., \$7.50. FANCY and DAGGER FERN our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

3B-40 Broadway, DETROIT, MICH.

All Phone Connections

SPECIAL FOR EASTER



Fine selected FERNS, Fancy or Dagger, \$1.25 per 1000. Good Ferns, \$1.00 per 1000. Bronze Galax, 10,000 lots, \$5.00. Green Galax, \$1.00 per 1000; 10,000 lots, \$7.50. Wild Smilax, 50 lb. cases, \$6.00. Leucotloe Sprays, Bronze or Green, 10c. per 100. Ground Pine, 5c. per lb. or 5c. per yd. Telegraph Office: New Salem, Mass. L. D. Phone Connections.

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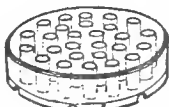
Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and Decorative Greenery
New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.



FOR TEN DAYS ONLY

BALED SPRUCE 1' O. B., \$10.00 per ton. Fancy and Dagger Ferns, \$1.00 per thousand. For other greens, Moss, etc., write for prices.
H. J. SMITH, Hinsdale, Mass.

THE "JAPANA" Cut Flower Holder



A handy article for florists. Sells to the trade on sight. Made of glass in three sizes.

The "Anglais" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

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10,000, \$1.75 50,000 \$7.50

W. J. COWEE, BERLIN, N. Y.

Samples free. For sale by dealers.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Company

762 Mill St., Kendallville, Ind.

Mention the Exchange when you write.

HARDY CUT FERNS



Fancy or Dagger, \$1.00 per 1000. Good quality. Twenty years' experience.

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THE BEST WAY to collect an account is to place it with the National Florists' Board of Trade

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WHY? Because many debtors will pay the Board leaving otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Southern Wild Smilax Now Read

Write, Wire or Telephone the Introducers

Caldwell The Woodsman Decorating Co

EVERGREEN, ALABAMA



Ever Ready Covers

Made of Waterproof Crepe Paper on a Card-board frame, tied neatly with wood fiber ribbon. Send 30 cents in stamps and we will send you covers that will fit a 6-inch standard pot, a 7-inch azalea pot and an 8-inch pan, with our illustrated booklet and price list. W. H. Greer, Mgr., Ever Ready Flower Pot Cover Co., 146 Hughes Ave., Buffalo, N. Y.

SOUTHERN WILD SMILAX BEAVEN'S FADELESS MOSS NATURAL SHEET MOSS

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CUT FLOWER BOXES EDWARDS FOLDING BOX CO MANUFACTURERS PHILADELPHIA, PA.



PREPARED PALMS AND PALM LEAVES

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FOR SALE

Tobacco Dust 100 pounds in sacks, \$2.00; in case lots, about 40 pounds, 2c. per pound

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S. R. LEVY, Binghamton, N. Y.

....Send for Particulars.... REGARDING

Tobakine Products

"THEY KILL BUGS"

"Flowers and Profits"

is a profitable and interesting booklet.

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DREER'S SHEEP MANURE

(WIZARD BRAND) FLORIST 100 lbs., \$1.75; 500 lbs., \$3.00; SPECIALTIES 1,000 lbs., \$15.00. 1 Ton, 2,000 lbs., \$30.00. HENRY A. DREER, 714 Chestnut St., Phila., Pa.

Pittsburg.

Trade and News Notes.

Cut flower trade the past week was dull. The weather for several days was cold and wet; the thermometer dropped to 24 degrees and hurt plant trade somewhat, but now we have ideal Spring days and the market stands are all occupied for the first time this year. Plants of all sorts seem to be plentiful, but people are kicking about prices. In the cut flower line lots of stock is to be had at fair prices and the quality is very good. Orders for shrubbery and trees are satisfactory so far, privets being in good demand.

John Bader spent a few days in the East last week, looking over stock for Easter.

Dan, Malie has sold his stand in the North Side market to Fred Eberle. Mr. Malie is running for the Legislature and, having very little opposition, is sure of election, so he gave up the stand.

Blind Brothers opened up their new store and conservatory on Center avenue, East End, last Saturday with a fine show of blooming and decorative plants and cut flowers. The place is fitted up in the best style and is well adapted for the florist business. Henry Blind will have charge of it and his brother George takes his place in the old store on Fifth street, while another brother, Edward, takes care of the greenhouses.

The cold spell of last week was a good thing for the plants for the Easter show in the park conservatories; if the weather had continued warm everything would have been ahead of time. The annual show will be better than ever before, as a greater variety of plants will be in bloom. Foreman J. Jones has worked hard for many weeks and it gives him great pleasure to have his friends, florists particularly, come and see what he has accomplished. Mr. Moore, who is in charge of the North Side park conservatories, also has a good show; not nearly as extensive as at Schenley, but well worthy of a visit. E. C. REINEMAN.

Newark, N. Y.

Mr. George C. Perkins, of Jackson & Perkins Company, Newark, N. Y., sails for Europe April 15, on the steamer "Majestic." He goes upon a business trip in the interests of his house, and will visit the leading places of horticultural interest in Great Britain and on the Continent. His itinerary will include Ghent, Boskoop, Haarlem, Hamburg, Erfurt, Quedlinburg, Trier, Luxembourg, Nancy, Lyons, Orleans, Angers, Paris, London, etc.; also a dozen or more small places in England where Jackson & Perkins Company have business connections.



The Best

BUG KILLER AND BLOOM SAVER

For PROOF Write to

P. R. PALETHORPE CO.

Owensboro, Ky.

Tobacco Paper

is the STRONGEST, BEST PACKED, EASIEST APPLIED

24 sheets . . . \$0.75
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288 sheets . . . 6.50
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"NICO-FUME" LIQUID

Furnishes the Most Nicotine for the Money!

Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Over 40% Nicotine By far the CHEAPEST.

Just Note Prices!
Pint \$1.50
1/2 Gallon 5.50
Gallon 10.50
5 Gallons 47.25

GLASS

headquarters for
Greenhouse and Holed Sizes
Write us for prices
Sharp, Partridge & Co.
2260-2266 Lumber St., - CHICAGO

SPOKANE, WASH.—The Spokane Nursery Company, of which J. H. Mumm is president, H. C. Rice, treasurer, and J. M. Harris, secretary, may soon be reincorporated, either under the name of the United Nurseries or the Rice-Mumm-White Nursery Company and the capital stock may be increased to \$200,000.

This matter was discussed at a meeting of the board of trustees of the company, as the result of the decision handed down in the superior court Thursday, March 26, by Judge Miles Poindexter. Judge Poindexter refused the Spokane Nursery Company a temporary restraining order against Otto Hubenthal, who is conducting his business under the same name, as had been asked in a complaint filed by the Spokane Nursery Company.

It was proven in the evidence offered in the case by the defendant, Hubenthal, that he had been transacting business under that name before the plaintiff company was organized and it is said that the general discussion of the court's decision will indicate that the defeated company considers the decision a fair one.

This company was formerly incorporated under the name of the Spokane Nursery Company with an authorized capital stock of \$50,000. The balance of the proposed \$200,000 capitalization will likely be subscribed by the Messrs. Rice, Mumm, W. J. Barsell, John Byers and other members of the corporation, it is said.

Although it is reported that the court's decision has inconvenienced the company somewhat, as they have been doing business under that name for the past year, the matter of reincorporation comes in at a favorable time, as it is reported by members of the corporation that it had been decided necessary to increase the common capital stock of the concern.



Plant Health
depends largely upon the quality of pot in which they are grown.
SYRACUSE RED POTS
are the product of 30 years of study and their quality is of the best.
Syracuse Pottery Co.,
Syracuse, N. Y.



Cattle Manure
In Bags Shredded or Pulverized
Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
The Pulverized Manure Co.,
34 Union Stock Yards, Chicago

SHEEP MANURE
Pulverized. Free from all Adulteration
In Bag, \$18.00 per Ton.
ROBERT SIMPSON,
CLIFTON, N. J.

Ideal Plant Food
Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.
EDWARD MacMULKIN,
104 BOYLSTON ST., BOSTON, MASS.

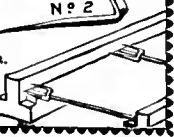


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USE IT NOW.
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NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

ISAAC CASSIDY
Summer Ave. and Erie R.R. Newark, N. J.
Write for prices
Greenhouse Material
Construction Fittings
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Material Furnished and Erected

Holds Glass Firmly
See the Point **PEERLESS**
Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.



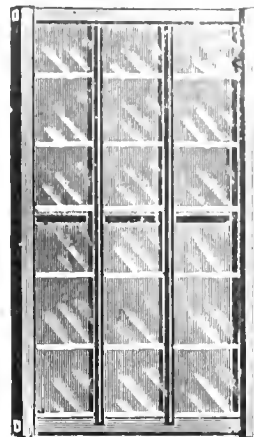

Standard Flower Pots
Packed in small crates easy to handle.
Price per crate. Price per crate.
1500 2 1/2 in. pots in crate, \$4.88 1207 1/2 in. pots in crate, \$4.20
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Seed pans, same price as pots. Send for price list of cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.
Hilfinger Bros., Pottery, Fort Edward, N. Y.
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THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

GREENHOUSE GLASS AT WHOLESALE

We Manufacture
GREENHOUSE MATERIAL
HOT-BED SASH
HOT-BED FRAMES
PUTTY




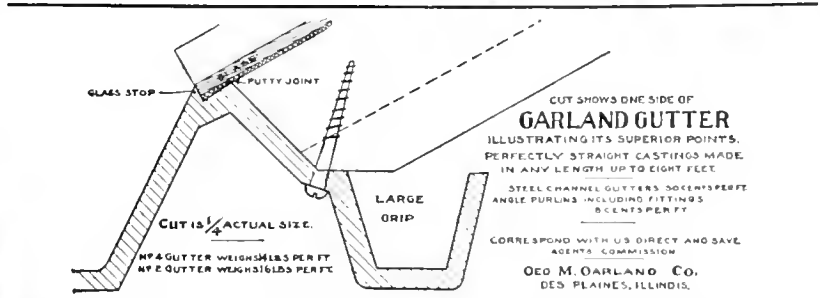
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Get our prices before ordering elsewhere. We are headquarters for Hot-Bed Sash.

We always carry on hand a complete stock of everything necessary for the complete erection of Horticultural Buildings.

S. JACOBS & SONS, - 1365-1379 Flushing Ave., Brooklyn, N. Y.

SCOLLAY'S PUTTY BULB
MONEY SAVED—and that is what counts
Best Tool in Use for Glazing and Repairing
For sale by your Seedsman or Supply House, or SENT PER MAIL ON RECEIPT OF ONE DOLLAR, POSTPAID.
JOHN A. SCOLLAY
74 and 76 MYRTLE AVENUE, BOROUGHS OF BROOKLYN, CITY OF NEW YORK

CUT SHOWS ONE SIDE OF GARLAND GUTTER
ILLUSTRATING ITS SUPERIOR POINTS. PERFECTLY STRAIGHT CASTINGS MADE IN ANY LENGTH UP TO EIGHT FEET.
STEEL CHANNEL GUTTERS SOLETS PERFECT ANGLE PURLINS INCLUDING FITTINGS 9 CENTS PER FT.
CORRESPOND WITH US DIRECT AND SAVE AGENTS' COMMISSION
Geo. M. Garland Co.
DES PLAINES, ILLINOIS

Do you have trouble with your
Hot Water Greenhouse Circulation?
If so
THE HOLLY STANDARD ELECTRIC CIRCULATOR will cure it instantly, perfectly and economically. Try it and prove it. Send for catalog to
THE HOLLY STEAM ENGINEERING CO., 135 E. 15th St., NEW YORK CITY

THE JENNINGS IMPROVED IRON GUTTER
PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.
Send for Circulars
DILLER, CASKEY & KEEN.
Successors to JENNINGS BROS.
S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

LOUISIANA RED CYPRESS
is best for all kinds of Tanks, Vals, and all kinds of Greenhouse work. It excels in durability. Ask your dealer for our stock, and, if he hasn't got it, get him to write us, or write us yourself.
Louisiana Red Cypress Co. of New Orleans
Hibernia Building, NEW ORLEANS, U. S. A.



OUR HALF IRON FRAME
GREENHOUSES

are made extra rigid by a system of angle purlins, pipe columns and braces, connected by cast iron fittings which are bolted through the different members.

HITCHINGS & COMPANY
1170 BROADWAY, NEW YORK



New Bedford, Mass.

Trade the past week was a little better and showed some improvement over last week. Flowers are still very plentiful. Carnations are retailing at 50c. per dozen; some fine blooms are coming in. E. H. Chamberlain is receiving some fine Winsor blooms; this is a great favorite here in regard to color and brings 60c. per dozen, retail. Roses are selling at \$1.50 per dozen, retail. Violets from greenhouses are about done; there will be some to pick from outside frames, but they will be rather scarce for Easter the way things look now; they retail at \$1 per 100. Sweet peas are quite plentiful at \$1 per 100. Bulbous stock is very plentiful, 50c. per dozen being the price asked; there will be a good supply for Easter.

Wm. P. Pierce is making nice window displays at present. He is receiving fine carnation blooms from his grower, Robert Hsieh of Mattapoisett, a few miles from here.

J. H. Cleary, on Pleasant street, had another bargain day last Saturday; 8,000 carnations and 3,000 roses were offered at special prices—20c. per dozen for the former and 38c. per dozen for the latter. One party here is selling roses at 25c. per dozen blooms.

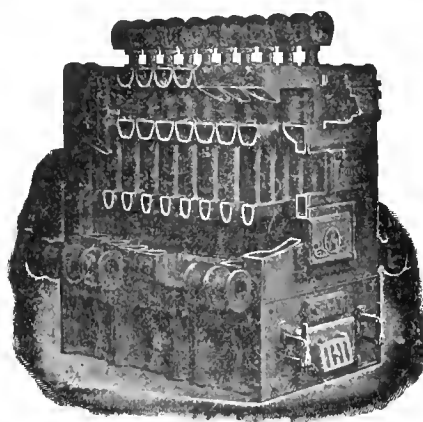
R. H. Woodhouse intends building another greenhouse the coming season; Spring openings here made quite a business for him.

Visitors the past week were F. Lautenschlager of Kroeschell Brothers Company, boiler manufacturers, Chicago, Ill.; L. D. Bryant of A. H. Hews & Company, North Cambridge, Mass., and C. H. Twinn of the King Construction Company, North Tonawanda, N. Y.

HORTICO.

JEFFERSON CITY, MO.—Because T. J. Brown, the florist on McCarty and Marshall streets, would not take a dare, he is married just a month sooner than had been arranged. Wednesday, March 25, 1908, while attending a meeting of the Sluiman Club in St. Louis in company with his fiancée, Miss Gertrude Eaton, of 1230 Clara avenue, some of the members of the club, who knew of the engagement of the couple, dared them to get married at once. Brown, who is always game, said he never took a dare, and 10 o'clock at night, with all the members of the club, they went to Clayton and were married.—Democrat.

WEST CHESTER, PA. West Chester's nurseries have grown to such an extent that they now surround the town on all sides. The business offices, packing houses and general headquarters, however, are on the northeastern borders of West Chester, and at that point many of the temporary workmen are housed. Those who work at distant points are hauled to the scene of operations every morning and go through West Chester at an early hour, before many of the citizens are out of bed. About twenty in wagons drawn by two horses form a large gang, and all smoke pipes and crack jokes as they are en route.



Mr. John A. Scollay, 74 & 76 Myrtle Ave., Brooklyn, N. Y.

Feb. 11, 1908.

Dear Sir: I am pleased to state that the six (6) Invincible Scollay Boilers that you have installed in my greenhouses, aggregating 65,000 sq. ft. of glass, have during the last cold spell worked admirably. I had no trouble in keeping the houses at the required temperature in the coldest weather which lasted for over a week, sometimes being four below zero. I have had a large experience in running almost all makes of boilers, but I think this is about the best I have ever struck. I cannot speak too highly regarding the whole heating system, for it reflects great credit upon your shop in all directions; from the boilers down to the complete job as installed by your mechanics.

Yours very truly,

CHAS. WEBER.

JOHN A. SCOLLAY

Heating Engineer and Contractor

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U. G. SCOLLAY, Manager Established 43 Years Telephone 1492-1493 Main



Evans Improved Challenge

Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
RICHMOND, IND.

GREENHOUSE GLASS
ALL SIZES

16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
10 Desbrosses St., New York

SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

GIBLIN & CO., Utica, N. Y.

GEORGE PEARCE



The well-known Greenhouse boiler of Orange, N. J.

Before giving out your contract get figures from me. I can save you money. Iron or wood construction Hot Bed Sash.

TELEPHONE 662L—Orange.

Low Boilers

4 ft high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet. **FREE HOSE TRIAL, PIPE FITTINGS, VALVES,** etc.

WM. H. KAY, CO., 244 Fulton St. N. Y.

THE FOLEY MFG. CO.
CHICAGO

COMPLETELY EQUIPPED WITH UP-TO-DATE MACHINERY FOR THE MAKING OF MATERIAL FOR

GREENHOUSE CONSTRUCTION

FROM A FULL SUPPLY OF THOROUGHLY SEASONED LUMBER

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work—large or small.

We guarantee our prices will save you money.

FOLEY VENTILATING APPARATUS IS THE BEST

IS SIMPLE IN ERECTING. IS EASIEST OF OPERATION. IT WILL LAST A LIFETIME. ITS PRICE IS THE LOWEST.

Will ventilate any size house. Prices and circulars on application.

Our 1908 Catalogue "GREENHOUSE MATERIAL" sent postpaid on request.

THE FOLEY MFG. CO. WESTERN AVE. CHICAGO
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THE KROESCELL BOILER

IS THE ONLY PERFECT!

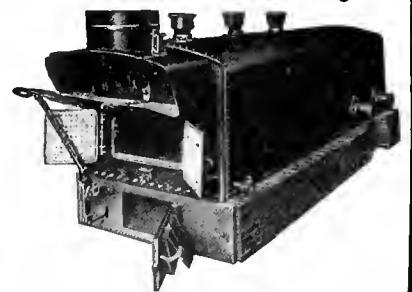
HOT WATER BOILER

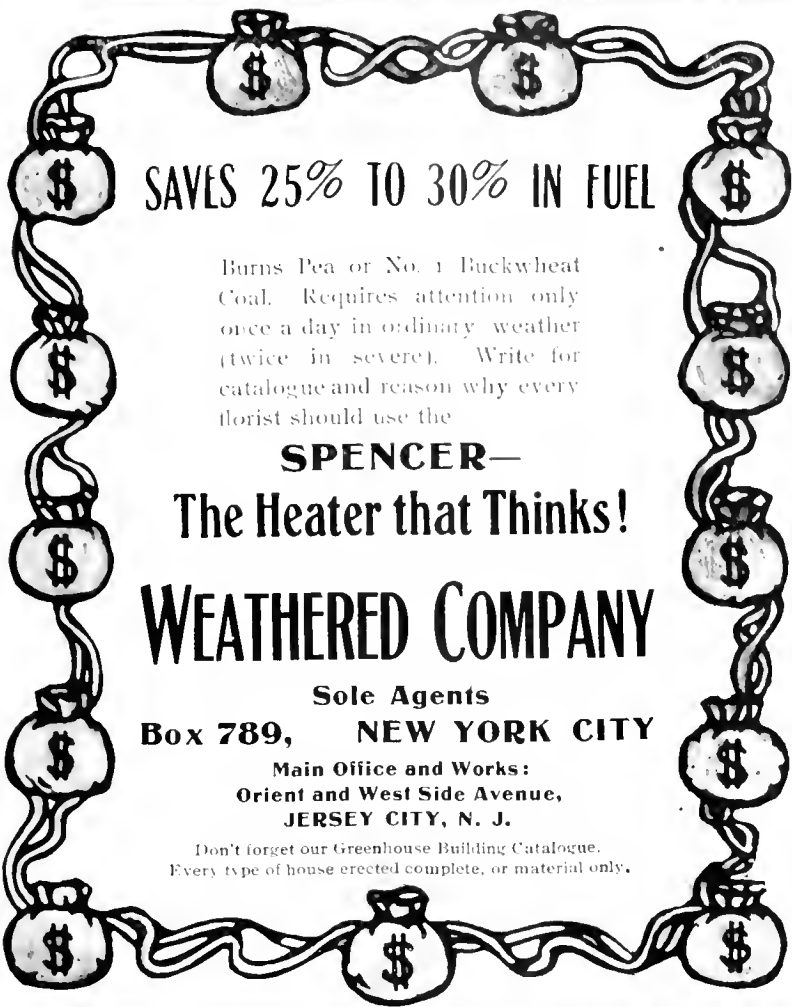
No. 1 FOR SMALL GREENHOUSES
No. 15 FOR A RANGE OF 50,000 SQ. FT.
GLASS HEATED TO 60 AT
15 BELOW ZERO.

Prices and Catalogue on application.

KROESCELL BROS. CO.

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SAVES 25% TO 30% IN FUEL

Burns Pea or No. 1 Buckwheat Coal. Requires attention only once a day in ordinary weather (twice in severe). Write for catalogue and reason why every florist should use the

SPENCER—

The Heater that Thinks!

WEATHERED COMPANY

Sole Agents

Box 789, NEW YORK CITY

Main Office and Works:
Orient and West Side Avenue,
JERSEY CITY, N. J.

Don't forget our Greenhouse Building Catalogue. Every type of house erected complete, or material only.

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GREENHOUSE
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IRON FRAME
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TRUSS ROOF
WOOD FRAME
MATERIAL ONLY OR ERECTED
Everything for the Greenhouse

For Greenhouses, Graperies, Hot Beds, Con- servatories, and all other purposes. Get our figures before buying. Estimates freely given.

GLASS
N. COWEN'S SON,
14 & 16 Wooster Street, New York

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

GREENHOUSE MATERIAL

should be bought at once if you expect to do any building this Spring. Glass is now very low and it's the chance of a lifetime to put up a greenhouse. You can get more for your money right now than you can next month. Don't wait. Don't hesitate or put it off; write to-day for your estimate and then get busy and order the material. This advertisement means nothing to the man who doesn't act—you must do something right away if you want to make money.

Our new catalog will be sent anywhere on request. Ask for one.

JOHN G. MONINGER CO.
CHICAGO.

115 E Blackhawk Street

The book of WATER GARDENING

By Peter Bisset. Price, postpaid, \$2.50
A. T. DE LAMARE PIG. & PUB. CO., LTD.
2 to 8 Duane Street, New York.

WILLIAM H. LUTTON
HORTICULTURAL ARCHITECT AND BUILDER

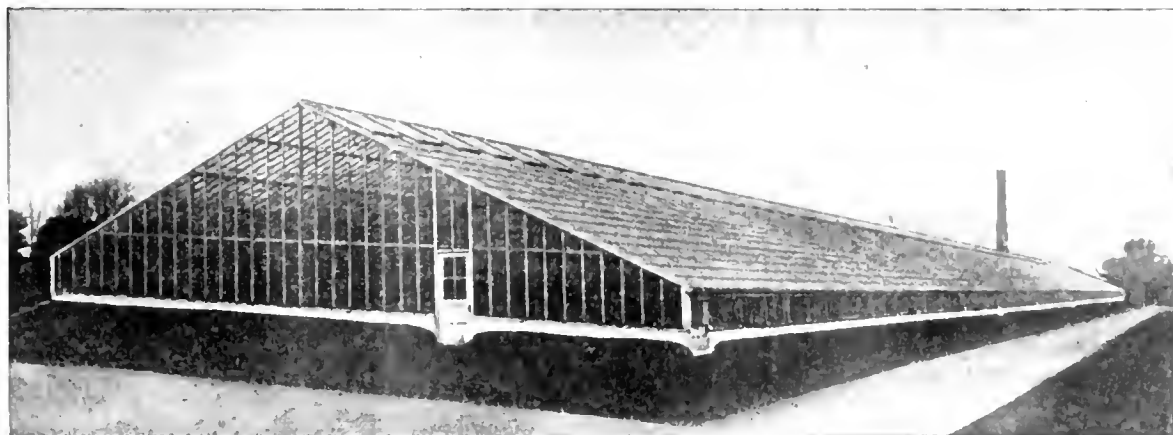
WEST SIDE AVENUE STATION (C. R. R. OF N. J.)
JERSEY CITY, N. J.

Have not been established 50 years, but long enough to convince the wide-awake Florist and Gardener that it is to his interest to place his work in thoroughly practical hands.

(150,000 sq. ft. glass erected in 1907 will substantiate this claim.)

And why not? My material is the best that can be secured. My iron frame construction has every modern feature that years of practical experience can embody.

And then there is the cost to be considered. Why not let us take up this important question now?



We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.

The A. T. Stearns Lumber Co.
NEPONSET, Boston, Mass.



WHOLESALE TRADE LIST

Asparagus Sprengeri, 3 in. pots, \$1.00 per 100.
Ampelopsis Veitchii, 1 year old plants, \$5.00 per 100. 2 year old plants, strong, \$10.00 per 100, \$1.50 per doz.
Ferns, Boston and Anna Foster, 4 1/2 in. pots \$2.00 per doz.
Geraniums, best commercial varieties, rooted Cuttings, \$2.00 per 100.
Ivy, hardy English, 4 in. pots, \$1.50 per doz., \$10.00 per 100.
Carnations, strong rooted cuttings. Write for list of varieties and prices.
Stock from 2 1/2 in. pots, \$3.00 per 100.
Agaratum: Inimitable, Princess Pauline, Blue Perfection; Salvia: Zurich and Bonfire, Heliotrope, dark blue and white. **Fuchsias**, Elm City; **Arabella**; **Black Prince**; **Avalanche**; **Lord Beaconsfield**; **gracilis**. **Lantanas**, **Swainsona alba**, **Geranium**, Mrs. Parker. **Umbrella Plants**. **Ferns** for dishes, **Asparagus Sprengeri**.
Rooted Cuttings, \$1.00 per 100.
Heliotrope, dark blue and white. **Fuchsias**, four varieties: **Feverfew**, **Little Gem**.
Clematis, large flowering varieties, 2 year old plants, stroog, purple, red and white, \$3.00 per doz.
Clematis, Paniculata, from 4 in. pots, \$1.50 per doz.; \$10.00 per 100; 3 in. pots, \$5.00 per 100.
Honeysuckle, Halleana and Red Trumpet, from 5 in. pots, \$1.50 per doz.; \$10.00 per 100.
Plants for Easter, in prime condition. **Sprea Gladstone**, strong plants 6 in. pots full of flowering branches, \$3.00 per doz.; **Hyacinths**, first size bulbs, brightest colors, red, white, and blue, \$10.00 per 100.
Easter Lilies, 10c. per bud.

Cash with order please.

C. EISELE, 11th & Westmoreland Sts., Philadelphia, Pa.

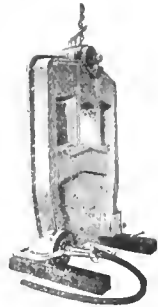
SECOND HAND PIPE AND BOILER TUBES

From 1 in. up to 12 in., for sale at low rates.

We can supply you with any amount from 100 feet and up. As we are large dealers in pipes, and do our own threading, we can sell same cheaper than any other dealer.

Our price card will be sent anywhere upon request, send for one.

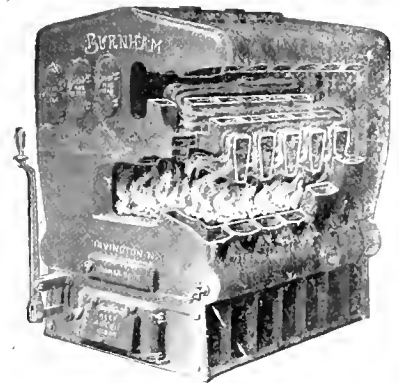
EAGLE METAL & SUPPLY CO., Johnson Av. & Broadway, BROOKLYN, N. Y.



Each section is single tested under high water pressure—flaws, if any, are found.



Before shipment, every boiler is completely set up and given another severe test. When a boiler leaves our hands we know it is perfect.



And here is the "Burnham" with its deep fire pot, cross fire channels with side flue openings—and the fire travels three times the boiler's length.

BURNHAM FOUNDRY TESTS

are mighty important! Important to both of us—it makes us sure, as any human being can be sure, that every part goes together perfectly—flaws, if any, found, and that by a system of double checking of each part when the boiler is set up for its final test and re-checked again when taken down for shipment, that all

the parts are actually there for shipment.

In the rush season this shop set up test of ours sometimes holds up shipments a bit, but you gain time by it in the end, for when your boiler leaves our hands it is perfect, and all the parts there, ready for your immediate set up.

Hot water or steam. Burns hard or soft coal. Send for new boiler catalog.

LORD AND BURNHAM CO.

MAIN SALES OFFICE
 1133 Broadway, NEW YORK
 BOSTON 819 Tremont Building
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FROM THE INSIDE

It is from the inside you get the full advantage of the curved eave, the extreme lightness of these houses—Nothing obstructs the view—it is almost as if there were no such confining limits as steel frame and glass. It is this freedom—that makes U-Bar houses so attractive. The airy cheerfulness—that makes U-Bar houses so productive.—Added to these are their simplicity, great strength, durability and low cost of maintenance.

The ideal construction for private estates, parks, public institutions and florists' show houses. Send for catalog.

U-BAR GREENHOUSES

PIERSON DESIGNERS AND BUILDERS



U-BAR CO. 1 MADISON AVE., NEW YORK

Greenhouse Material Hot Bed Sash

of Louisiana Cypress and Washington Red Cedar

Greenhouse Hardware and Pat. V and U Gutters.

OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.

Write for Catalogue and Estimate when figuring on your new houses.

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IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th and 41st STREETS, NEW YORK

OFFICE AND WAREHOUSES: 404, 406, 408, 410, 412 East 34th St. WRITE FOR NEW CATALOGUE

The Florists' Supply House of America

Now is the proper time to replenish your stock in

WHEAT SHEAVES, CYCAS LEAVES, MAGNOLIA LEAVES, Green and Brown,

as well as all other supplies

Our New Catalogue Free

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THE AMERICAN CARNATION

PRICE \$3.50. Send for Sample Pages

A. T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York.

The Book of WATER GARDENING By Peter Bisset
 Price, postpaid, \$2.50

A.T.De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXV. NO. 16

NEW YORK AND CHICAGO, APRIL 18, 1908

One Dollar Per Year

CARNATION CUTTINGS

We are in unusually good position to supply exceptionally well-rooted, healthy stock. We have such a large quantity of flowering plants that we propagate only from heel cuttings from flowering shoots. Our cuttings are rooted in light, sunny, airy houses, and we are sure will satisfy the most critical buyer.

A prominent carnation grower writes: "You seem to be THE ONLY FIRM IN THE BUSINESS THAT KNOWS HOW TO PACK STOCK AND HAVE IT REACH THE BUYER IN GOOD CONDITION, and I have always found your cuttings cheaper than the same varieties from others at much lower figures."

While our prices may not always be the cheapest, we certainly can give, quality considered, as good value as, if not better than, is obtainable anywhere.

WINSOR which we introduced last year has proven to be the finest novelty introduced in years. We think it is the most profitable variety grown to-day, considering its fine color, splendid keeping qualities, and productiveness. When properly grown, it leaves little to be desired, and almost everyone succeeds with it.

White Enchantress

the best all-round white carnation, on account of its large size, long stem, earliness, and productiveness. Our White Enchantress, exhibited at the Carnation Convention at Washington, was the only White Enchantress exhibited that received an award.

Strong-rooted cuttings, now ready for delivery, from sand, \$6.00 per 100, \$50.00 per 1000; from soil, \$7.50 per 100, \$60.00 per 1000.

Buyers will find transplanted stock offered from soil well worth the difference in price.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

We offer, also,

BEACON and RED CHIEF, from sand, \$6.00 per 100, \$50.00 per 1000; from soil, \$7.50 per 100, \$60.00 per 1000. Also

VICTORY, MELODY and WHITE PERFECTION, from sand, \$4.00 per 100, \$35.00 per 1000; from soil, \$6.00 per 100, \$45.00 per 1000.

VARIEGATED LAWSON, WHITE LAWSON and RED LAWSON, from sand, \$3.00 per 100, \$25.00 per 1000; from soil, \$4.00 per 100, \$35.00 per 1000.

We can supply, also,

WINONA and AFTERGLOW at \$12.00 per 100, \$100.00 per 1000.



TUBEROSES

True Dwarf "EXCELSIOR" Strain.

Our stock of Excelsior Pearl has been bred up by many years of careful selection from bulbs producing the shortest stalks with full heads of double flowers. But two or three firms can supply this extra dwarf "Excelsior" strain. First size bulbs, 100 \$1.00 1000, \$9.00.

TUBEROUS BEGONIA

Single white, yellow, pink and scarlet 35c. per doz., \$2.50 per 100; single mixed 30c. per doz., \$2.25 per 100; double white, yellow, pink and scarlet 60c. per doz., \$4.50 per 100; double mixed 50c. per doz., \$4.00 per 100.

CALADIUMS—Elephant's Ears.

Sound bulbs. Live center shoots. Ten per cent. advance if shipped from our Chicago store.

Circumference	100	1000
7-9 inch	\$3.25	\$28.00
9-12 inch	5.50	50.00
12 inch and up	12.00	

Vaughan's Asparagus Plumosus Nanus

We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on large amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality.

Northern Greenhouse-Grown Seed. Per 100 seeds, 60c.; 250 seeds \$1.25; 1000 seeds, \$4.00; 5000 seeds \$19.50; 10,000 seeds, \$37.50. Price for larger lots on application.



Vaughan's Seed Store

14 BARCLAY ST. NEW YORK
CHICAGO, 84-86 Randolph Street, Greenhouses, Western Springs, Ill.



GERANIUMS

A splendid stock of fine plants from 2-in. pots, good standard sorts and new varieties, \$2.00 per 100 and up.

up to \$1.00 each. We will send 1000 in good varieties our selection for \$18.00.

NOVELTIES, 1907 introductions, from Brunt, Lemoine, Bouchardat and Cunnell, on each of 30 varieties our selection, including single and double for \$5.00.

Our special descriptive Geranium catalogue, describing over 250 varieties of Geraniums and Pelargoniums mailed free to the trade.

PELARGONIUMS in good variety, strong plants, 2-inch pots, \$1.50 per doz., \$6.00 per 100.

HARDY CHRYSANTHEMUMS Our collection of Hardy Chrysanthemums will compare favorably with any in the country and we have an immense stock ready for shipment. Small flowered or Button variety, \$2.00 per 100; large flowered or Asteri varieties, \$3.00 per 100; description will be found in our wholesale list.

DAHLIA ROOTS We still have about 75 varieties we can offer in Caetis, Decorative, Show and Pompon (see name) at \$3.00 per 100 and up for whole field grown clumps. One thousand for each of 20 varieties, our selection, for \$10.00, all good kinds, a splendid collection for planting or just the thing for store trade.

ALYSSUM, Giant Double	\$2.00
ALGERATIUM, Stella Gurney	2.00
BEGONIA, Vernon, white and rose	2.00
BEGONIA, Gracilis, white and rose	2.00
BEGONIA, Rex, from 2 in. pots	2.00
CUPHEA, Cigar Plant	2.00
COLLETS, Verschaffeltii, Golden Bedder and other kinds	2.00
FICUS ELASTICA, Rubber plants, 1 in.	Per doz., 2.00
FUCHSIA, Black Prince and Minnesota	2.00
FUCHSIA, Lieutenant Muritz, White and Rose Phenomenal	2.50
HARDY ENGLISH IVY, Extra strong, \$1.50 per 100	2.00
HARDY PILEON, Cappelletti, R. P. Struthier, Bridesmaid, Bacchant, La Vogue, La Nati, Berger	2.00
HOT LIPS ROCKS, strong, each per plants, double white, pink and yellow	2.00
IVY LEAVED GERANIUMS, 6 good kinds, each per plants	1.00
LOBELIA, Crystal Palace Gem	2.00
LOBELIA, Kathleen Mallard, 1 in.	2.00
LAVANDULA, 10 varieties, each per plants	2.00
LAVENDER, 10 varieties, each per plants	1.00
SAWSONA, alba	2.00
SALVIA, Bonfire and Splendens	2.00
TRACHEANTHA, dark, variegated	2.00
VERBENA, 10 varieties, each per plants	2.00
WATER MILLS, Nymphes, Odorata, Gigantea	2.00

Visitors always welcome. Cash with order.

GRAFTED ROSES

In excellent condition, ready to ship

KILLARNEY, RICHMOND, LIBERTY, BRIDE, BRIDESMAID, KAISERIN and CARNOT

\$120.00 per 1000

OWN ROOT STOCK of above varieties.....\$35.00 per 100

Exceptionally fine large plants of

KAISERIN AUGUSTA VICTORIA

The best paying Summer Rose on the Market

W. H. ELLIOTT, Brighton, Mass.

R. VINCENT, Jr. & SONS CO. WHITE MARSH MARYLAND



RUSTIC HANGING BASKETS

10 in. bowl.....Each \$1 10 Dozen \$11 00
 12 " " " 1 25 " 13 00
 14 " " " 1 50 " 16 00

CYPRESS PLANT TUBS

18 1/2 in. diameter, 11 1/2 high \$1 25 29 in. diameter, 18 high \$2 50
 14 " " 15 1/2 " 1 50 24 " " 20 " 3 50
 16 " " 18 1/2 " 2 00 28 " " 22 " 5 00

Sterilized Sheep Manure 100 lbs. \$1 50;
 \$22.50 a ton.
Wm. Elliott & Sons, 201 Fulton St., N. Y.

DAHLIA KAISERIN AUGUSTA VICTORIA THE IDEAL FLORIST DAHLIA

A white decorative Dahlia growing in compact bush form, requiring no staking. Extra large pure white flowers. Come on erect stiff stems of 18 in. long. Flowers early and remains in constant bloom till frost time.



Field grown roots, per doz. \$2.00, per 100 \$15.60
 Quantity Limited

W. W. RAWSON & COMPANY
 5 UNION STREET BOSTON, MASS.

LANDRETHS' SEEDS

ONION SEED	RED WETHERSFIELD	LOW PRICES ON APPLICATION
	EXTRA EARLY RED FLAT	
	DANVERS GLOBE	
	STRASBURG YELLOW	
	PRIZE TAKER	

BLOOMSDALE SEED FARMS, BRISTOL, PENNA.

ONION SETS

Chicago produces the best ONION SETS in the country and our this year is not only full but of the very highest quality. Write us for prices.

KNUD GUNDESTRUP
 4 273 MILWAUKEE AVENUE CHICAGO

LAWN GRASS SEED

Dickinsons, Evergreen, and Pine Tree Brands

SPECIAL MIXTURE SEED FOR GOLF GROUNDS
 MINNEAPOLIS THE ALBERT DICKINSON CO. CHICAGO

Lilium Harrisii

The best grown. Absolutely pure stock. Free from disease. Apply at once to

George W. West, Shelly Bay, Bermuda

BAMBOO CANES

JAPANESE, tough and strong, 6 ft. long per 1000 \$5.50; per 2000 \$10.00; per 10 000 \$42.50
STUMPP & WALTER CO. 50 BARCLAY ST. NEW YORK

TUBEROSES

Excelsior Pearl 3x4 \$0.60 per 100, \$5.00 per 1000.
 4x6 1.00 9.00
STUMPP & WALTER CO. 50 BARCLAY ST. NEW YORK.



And now for this Spring's Weddings.

Where can you get

RIBBONS

as lustrous and sightly?

Buy from the mill and

Save All Between Profits

Office and Salesrooms: 806-808-810 ARCH STREET
 Address Dept. E, 52-54 N. EIGHTH STREET

Philadelphia

The Pine Tree Silk Mills Company

Asparagus Plumosus Nanus Seed

New Crop, Highest Germination, \$2.50 per 1000, Cash.

Drake Point Greenhouses, YALAHA, FLORIDA



ESTABLISHED 1802

SEEDS OF ASPARAGUS PLUMOSUS NANUS, \$2.00 per 1000

SEEDS OF ASPARAGUS PLUMOSUS ROBUSTUS, \$2.00 per 1000

COLD STORAGE LILY OF THE VALLEY PIPS, JAPAN LILIES, JAPAN IRIS

For prices state quantities required

J. M. THORBURN & CO.
 33 Barelay St., through to 38 Park Place, New York.
 Everything of the highest grade.

PANSIES THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses All transplanted. A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants in bud and bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500.

PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

E. B. JENNINGS, SOUTHPORT, CONN.
 Lock Box 254
 Grower of the Finest Pansies

NEW CROP FLOWER SEEDS

Verbena Mammoth, In colors or mixed, 1/4 oz. 30c., oz. \$1.00.

Salvia Splendens, 1/4 oz. 35c., oz. \$1.25.

Salvia Bonfire, 1/4 oz. 75c., oz. \$2.50.

Lily Valley, Early Forcing, to close out, per 1000, \$11.00.

Fresh Tobacco Stems, Bale of 300 lbs. \$1.50.

W. C. BECKERT, Pittsburg, N. S. Pa.

W. & D.'S SPECIALTIES FOR 1908

Tomato, "The Don," best for forcing. Cauliflower, First and Best, Queen, Alisa Crug. Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spawn, English and Pure Culture. Mignonette, N. Y. Market, New Catalogue now ready. Free on application.

WEEBER & DON, SEED MERCHANTS AND GROWERS
 114 Chambers St., NEW YORK

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. in postage stamps. Address American Spawn Company, St. Paul, Minn.

COLD STORAGE

VALLEY PIPS.
 BEGONIAS, GLOXINIAS
 MEXICAN VINE ROOTS
 DAHLIAS 50 Price
 Varieties
 CYCAS STEMS
 and GLADIOLI

Our wholesale Bulb Eket will be mailed on request

JOHNSON SEED CO.,
 217 Market Street, Philadelphia, Pa.

建 Read Our Ad.
 March 28th
H. H. Berger & Co.
 70 Warren St., New York

PALM SEEDS

Kentia Forsteriana, March	100	1000.
Kentia Belmoreana, March	50	4.00
Cocos Weddellana, Im-		
mediate	1.00	7.50
Areca lutescens, April	1.00	7.50
Latania Borbonica, Feb-		
ruary	.30	2.50
Livistona rotundifolia, Apr.	2.00	17.50
Livistona Chinenensis	1.00	7.50
Phoenix rupicola, March	1.00	7.50
Phoenix reclinata, March	.50	3.00
Phoenix Canariensis, Mar.	.30	3.00
Pandanus utilis, Immediate	1.00	8.00
ASPARAGUS PLUMOSUS NANUS,		
true greenhouse grown seed, 100		
ada. 50c.; 250 ada. \$1.20; 1000 ada.		
\$4.00; 5000 ada. \$18.00; 10,000 ada.		
\$35.00.		
ASPARAGUS SPRENGERI, 250 ada.		
25c.; 1000 ada. 75c.; 5000 ada. \$3.00.		
DRACAENA INDIVISA (seeds), oz.		
30c.; 1/4 lb. \$1.00.		

Catalogues free.

ARTHUR T. BODDINGTON
 Seedsman

342 West 14th Street, New York City

Gladiolus "America"

FOR FORCING

Strong bulbs, \$60.00 per 1000.
Florists' white and light, mixed, \$12.00 per 1000.
Iris Kaempferi, named, \$50.00 per 1000.
Iris Kaempferi, mixed, \$30.00 per 1000.
Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.
Phoenix Roebeleni seedlings, \$4.00 per 100.
Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.

GLADIOLUS BULBS

100,000 from 1 1/2 inches up at \$4.00 per 1000.
 100,000 1/2 to 1 1/4 inches at \$2.00 per 1000. Cash with order. Description given on request.
 Nice block of **CALIFORNIA PRIVET**, \$10.00 per 1000 and up as to quality, write for particulars.

Nice lot of **AMERICAN CHESTNUT TREES** at a bargain. 35 large **SUGAR TREES**, most of them sample trees.

I. & J. L. LEONARD, Iona, N. J.

FISKE SEED CO.

Make a specialty of

ASTER SEED

All the leading varieties

Also **FLORISTS' SEEDS** for immediate planting

H. E. FISKE SEED CO.

12 & 13 Faneuil Hall Square BOSTON, MASS.

Established 1800
POAT BROS.
 (Formerly of Elfricks, Va.)
BULB GROWERS
HIGHLAND PARK
RICHMOND, VA.
 NARCISSUS, TULIPS, IRIS
 PAEONIES, CROCUS
SEND FOR CATALOGUE
CUT FLOWERS
FROM MARCH TO MAY

LOOK! SEE!

See our two-page advertisement in issue of March 28th on pages 408 and 409

100,000 2 in. ROSES at low price	Per 100	Per 100
Crimson Rambler, 7 ft	25.00	BERBERIS Thunbergii, 2 1/2 bushy
" " " " " " " "	10.00	50.00
Persian Yellow, No 1	12.00	12.00
Salem d'Or, No 1	12.00	POPLARS, Carolina, 10 ft
Viburnum Plicatum		15.00
2-3 feet	12.00	POPLARS, Lombardy, 10 ft
3-4 feet	16.00	12.00
10-12 in	50.00 per 1000	40.00
AZALLA Amena, 12-14 in x 12-14 in	85.00	12.00
		CELAEGUS Paniculata, 2 1/2 ft, No 1
		8.00
		BOXWOOD, 1 1/2 in
		25.00
		BOXWOOD, Dwarf, for edging, from
		25.00 to 8-10 per 100

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Vick Quality Asters

INTRODUCED BY US
 GROWN EVERYWHERE

- Vick's Branching (8 colors)
- Vick's Snowdrift
- Vick's Royal Purple
- Vick's Lavender Gem
- Vick's Daybreak
- Vick's Purity
- Vick's Sunset
- Vick's Mikado
- Vick's Cardinal
- Vick's Violet King

HOW TO GROW ASTERS, Revised

Full of information for Aster Growers.
 Price 10c.

Free with an order of Aster Seed.

FLORISTS' NOVELTY COLLECTION

- Six of our latest introductions including Sunrise (New) and Early White Branching (New). Price
- Vick's Early White Branching \$0.25
- Vick's Imperial Aster Sunrise .25
- Vick's Violet King .20
- Vick's Cardinal .25
- Vick's Lavender Gem .25
- Vick's Rosy Carmine .25
- How to Grow Asters .10

\$1.55

All of the above, including our "Aster Book for Florists" for 90c.

SEND FOR OUR NEW Illustrated and Descriptive Aster Book for Florists

It describes in detail, not only the varieties originating with us but also all other leading sorts.

The largest and handsomest work of its kind ever issued.

EVERY FLORIST OUGHT TO HAVE

Vick's Wholesale Catalogue

which gives prices on all the best varieties of flower and vegetable seed; plants for greenhouse and outdoors; splendid assortment of bulbs.

Both of these catalogues are free.

JAMES VICK'S SONS

ROCHESTER, N. Y.

The Leading Specialists and Largest Growers of High-Grade Asters in the World.



A HALF MILLION CALLA BULBS FOR SALE

CALLA ETHIOPICA BULBS, 7 to 8 inch circumference.	\$65.00 per 1000
" " " " " " " " " " " "	40.00
" " " " " " " " " " " "	25.00

250 at 1000 Rates, Freight Prepaid when Cash is sent with Order. Orders booked now for July shipments.

A. MITTING, 17 to 23 Kennan St., Santa Cruz, Cal.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

XXX STOCK

- Strong, 2 in. Ready for 3-inch pots. \$2.00 per 100.
- AGERATUM, Gurney, Best dwarf blue; \$2.00 per 100.
- LOBELIA Crystal Palace. Extra fine dwarf; \$2.00 per 100.
- HELIOTROPE, dark, \$2.00 per 100; strong 1-inch, in bud, \$4.00 per 100.
- PETUNIAS, New Giant Fancy Single; 50c. per doz.
- PETUNIAS, New Star, very fine, \$2.00 per 100.
- PHLOX, finest dwarf, mixed, \$2.00 per 100.
- VERBENAS, California Giants, mixed, strong and bushy, fine, \$2.00 per 100.

XXX SEEDS

- CHINESE PRIMROSE. Finest grown, varieties mixed; 500 seeds, \$1; half pkt., 50c.
- CINERARIA. Finest large-flowering dwarf, mixed, 1000 seeds, 50c.
- GIANT PANSY. Best large-flowering, mixed, critically selected, 5000 seeds, \$1.00; half pkt., 50c.
- Cash. Liberal extra count of seeds in all packets.

JOHN F. RUPP, Shiremanstown, Pa.
 THE HOME OF PRIMROSES

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.
 Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
 37 EAST 19th ST., Near Broadway,
 Tel. 4235 Gramercy NEW YORK CITY

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.
 Address all communications to our permanent address, 48 to 56 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
 Warehouses, Santa Clara. Farms and Farm Headquarters, Caradero near Gilroy

ONION SETS

There will be a heavy demand for sets during the next 30 days. Send us your orders at once and we will make prompt shipment and close price.
LEONARD SEED CO., Chicago, Ill.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
 George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; E. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

PHILADELPHIA, PA.—W. Atlee Burpee and family will sail April 22 on the Adriatic for Southampton, where they hope to be met by Mr. and Mrs. A. B. Scott, who will spend a week with them before returning to America on the Adriatic. After a stay at the Isle of Wight Mr. Burpee expects to take in the Channel Islands among the other places he will visit when abroad.

CHICAGO. In response to the call of President Green of the American Seed Trade Association a meeting of seedsmen was held at the Auditorium Annex, on April 10. "The Mann Pure Seed Bill" was the subject under discussion. It was the sense of the meeting that important changes in the bill were needed to avoid great injustice to seedsmen and serious damage to important agricultural interests. A committee representing this meeting and the Seed Trade Association will be sent to Washington to attend the hearing before the interstate and foreign commerce committee on April 21. It is hoped that such amendments to the bill may be secured which will avoid injury to the legitimate seed business. The members of the committee thus far appointed are J. C. Vaughan and Charles Dickinson of Chicago, and Charles N. Page, Des Moines, Iowa. The meeting was thoroughly representative and well attended.

ALFALFA SEED GROWING IN FRANCE.
 The following information in regard to alfalfa seed in France has been obtained by Consul-General Robert P. Skinner, of Marseille, from official agricultural sources:

The crop of seed is gathered in August, September, and early in October, according to the region, though as a rule in September. The price received by the seed grower varies naturally with the year and the crop. In 1907 dealers paid 150 francs per 100 kilos (\$28.95 per 220 pounds) to farmers, this particularly high price being due to the destruction of a large part of the seed crop by inundations. One informant states that three-fourths of the Provençal crop of 1907 was thus destroyed. In ordinary years when the crop is abundant farmers receive 110 to 115 francs per 100 kilos (\$21.23 to \$22.20 per 220 pounds). Exports of the crop of 1907 have been sold to American buyers who bought early at \$26.62 to \$30.36 per 220 pounds.

The declared value of exports of alfalfa seed to the United States from the Marseille consular district in 1907 was \$19,866, against \$2,663 in 1906, and \$19,628 in 1905.

CLEARY'S HORTICULTURAL CO.

AMBROSE T. CLEARY, Management
WHOLESALE, JOBBING, CONTRACTING, AUCTION, HORTICULTURAL PRODUCTS
 62 Vesey Street, New York
 Telephone, 733 Cortlandt
 (responder, 4-8-10) Surplus Stock
 (converted.)

Seed Trade Notes.

We have most assuredly since the present month come in been enjoying an old-time rush for seeds. The final figures of such an active season cannot but be satisfactory, indeed; but there are always two sides to every picture, and it is to be greatly deplored, so enormous has been the demand for everything in our line for, say, the last four weeks particularly that many of the best customers of every seedsmen have been treated to long, and let us frankly admit, most exasperating delays in receiving their goods. We have all of us worked to the limit of endurance, but even with night work, and in many cases Sunday labor all day as well, it has still been impossible to fill all orders with a decent degree of promptness.

In the great rush of orders that has materialized, all quibbling over short seed stocks has been forgotten, customers being only too glad to take whatever in equivalent good varieties the seedsmen have been able to supply on their orders, in lieu of the many exhausted things so religiously selected and insisted upon earlier in the season.

During the past ten days there has been considerably more agitation in many directions regarding the "Proposed Pure Seed Legislation" of Representative Mann of Illinois—so recently brought before Congress. In regard to this matter the trade has been conservatively pleased to note that the general comments which have appeared in the better class of newspapers all over the country, have been practically unanimous against any such radical seed selling restrictions. No one wishes any more laws enacted that would simply be "dead letters" placed on our statute books—as the proposed required "98 per centum pure seeds" would certainly be. It very much seems as if in this case we were having a great deal of smoke and very little fire. I think Mr. Mann's Pure Seed Act is a dead one.

The all important question of how many Dutch bulbs shall be ordered for this coming Autumn's sales, as well as the Bermuda and Japanese stocks in this line, is becoming very pressing. The trade in general would seem to believe that all sorts of bulbs will this Fall sell quite conservatively. We must not be enthused too much over the great Spring seed business, as bulbs are an entirely different proposition. It points now to a fairly good business in September and October next in this class of goods, but no banner season by any means should be expected; and as usual when our customers "feel poor," the more inexpensive bulbs, such as tulips, narcissus and crocuses, will no doubt enjoy a much better sale than the more costly hyacinths and kindred stock.

Governmental Control of Seeds or Prices Versus Quality.

Editor Florists' Exchange:

The "Pure Seed" bill now before Congress, a bill to stop the adulteration and mislabeling of seeds, is looked upon by everyone of experience in the handling of seeds as too exacting; a bill, in its present form, which would work a hardship to the seed trade; which view is correct if the Department of Agriculture, to which is referred the making of uniform rules and regulations, is impractical in the drafting of such regulations; but the Secretary of Agriculture, under the authority given him to formulate rules, can so frame the rules as to make them practical.

The government cannot provide against the selling of a poor quality of seed at a correspondingly low price, or even at an outrageously high price, for that is a matter entirely between the buyer and the seller; but the government can step in and prevent the selling of unvital seeds and seeds mixed with other seeds, which it is obvious were not harvested in the same field at the same time.

There is ample room for the adoption of practical rules and regulations which may be not only a benefit to the entire agricultural public, but to every seedsmen who is disposed to be honest; and for one the writer is ready to let the Secretary of Agriculture do what he can to correct many things in the seed trade which sadly need regulation. Of course, within the Department of Agriculture

are the only people in the employ of the government capable of dealing with this subject; as for Congress to attempt to deal with it would be like setting a bull in a china shop.

The necessity for government control is brought about by the course of the seedsmen themselves. Intense competition between wholesale seed merchants doing a general seed business and large wholesale growers of special crops in the taking of orders for garden and field seed from jobbers and smaller dealers, both in cities and the country districts, has resulted in a breaking down of wholesale values to an alarming degree, the result being unprofitable all around as regards cash returns and as leading to a depreciation of quality.

At the present day many seed farmers only obtain a profit from their seed crops very little above profits on corn, hay, and potatoes, and they cannot be expected to expend, on the one hand, the necessary labor in culling crops, and, on the other hand, to be willing to stand the reduction of many pounds or bushels to the acre because of taking out the rogues, or wild plants, which plants generally are by far the most productive of the whole crop.

This depreciation of quality in many brands of seeds is noticed in any well-managed trial ground, where it is manifest that seeds sold at extremely low prices have been sold even then higher than is their true value. This depreciation in quality applies to nearly everything sold at extremely low prices, which cheap prices in the very beginning indicate a questionable origin of the stock.

Often this depreciation is laid at the doors of the country storekeepers, but it really is chargeable to a great degree to larger seed sellers striving to get orders at any price. These cheap prices demonstrating to the country storekeeper that many seed houses and seed contractors have no bottom whatever to their prices, the storekeeper is convinced that even at these low prices he is asked more than he should pay; he thinks the seedsmen is after all a robber, and he places the order with the cheapest house.

To be able to sell cheaply stocks must be obtained from any low cost source, and the result is a continuous depreciation in quality. The country shopkeeper, drummed almost to the point of distraction, finally selects his garden vegetable seeds or agricultural seeds of the lowest priced sorts, and certainly gets a grade in accordance with the prices.

But lowest prices are not demanded by market gardeners who purchase their seeds with the one idea of making a profit from the results of their crops, men who realize the necessity of reliable stocks, and, therefore, are anxious to purchase from a source of reputation and are ready to pay a price which gives some assurance of quality. Market gardeners light shy of cheap seeds, knowing that the very price condemns them; but the country merchant wants his seeds to be as cheap as any sold by a competitor across the street or around the corner.

The logical result can only be just what has occurred in other branches of trade—there will be two or three grades of seed, just as there are two or three grades of candy—every girl knows that; and two or three grades of drugs, as every observant man knows, for it is well known that physicians recommend their patients to avoid certain drug stores because the proprietors are known never to purchase anything but the cheapest drugs. And just so will it be with seeds, for some dealers in seeds purchase anything; with them seeds are just seeds.

But, thanks to the technical intelligence, self-respect, and high ideals of many wholesale seed merchants and many seed-growing contractors, there has been in the past, and yet is more active than ever, a constant effort toward the improvement of species, for it is manifest that all the varieties of vegetables which can be mentioned as notable objects of deterioration in the hands of careless men, have at the same time vastly improved in the hands of a few who prefer an honorable reputation to shoddy dollars.

In the past the writer has been inclined often to be incensed against what he considered the masterful ways of the Department of Agriculture, but is changing his opinion, for the work in the seed division, if properly regulated, may be on lines similar to the work of Doctor Wiley with respect to foods and their adulterations, and everyone freely admits that the genial doctor has in two or three years accomplished wonders in bringing manufacturers of adulterated

foods up to the rack, and forcing them to label their manufactures just according to their component parts.

True seed investigations cannot be pursued with the same thoroughness as in the case of food preparations, but much can be done to arrest the selling of cheapened seed, adulterated seeds as shown by the microscope, and unvital seeds as shown by the germinator; and those seedsmen who have clean consciences should support investigations which will bear on the unscrupulous.

The agricultural public can properly demand a safe-guarding of their interests against the selling of such seeds as are without doubt a fraud, which impositions cannot be guarded against if too great a laxity of law is permitted to prevail. The writer would like to see the law so framed that there could be no fraud in the seed business any more than in an apothecary shop, either by a man ignorant of the nature of the business, or by a rogue.

The seed business is one of confidence; a purchaser is entirely in the hands of the seller; very different from the case of a purchase of a pair of shoes or a hat, where the purchaser can there and then judge the quality of the completed article.

BURNET LANDBRETH.

IMPORTS OF SEED, ETC.—April 4 and 5, Wadley & Smythe, six cases trees, April 6.—L. D. Crossmond & Company, one case trees; H. F. Darrow, eight packages seed, two cases plants; Maltus & Ware, one case plants; McHutchison & Company, 22 bundles and eight packages trees; C. A. Haynes & Company, two cases seed, five cases plants, April 8.—Maltus & Ware, six packages trees, one case plants, six tubs trees; August Rölker & Sons, 15 cases plants; John Scheepers & Company, eight cases plants; J. Ter Kuile, one case plants; F. B. Vandegriff & Company, three cases plants; Gerhard & Hoy, one case trees; H. H. Hornbeck & Company, one case plants; Rooney & Spence, 15 baskets trees; J. M. Thorburn & Company, three bags garden seed; F. R. Pierson Company, seven cases trees; J. W. Hampton, Jr. & Company, two cases trees; C. B. Richard & Company, 26 cases plants; Vaughan's Seed Store, four cases trees and shrubs; Orlando J. Smith, 31 packages plants; P. A. Keenan, one case plants; McHutchison & Company, one case plants; R. F. Lang, three cases plants; P. H. Peiry & Company, one case plants; August Rölker & Sons, 10 cases plants; Wadley & Smythe, 11 cases plants; Cleary's Horticultural Company, six cases plants; William Elliott & Sons, 22 cases plants; Maltus & Ware, 117 packages plants, etc. April 9.—H. F. Darrow, six packages plants; Maltus & Ware, three packages plants; C. C. Abel & Company, 13 packages plants; P. B. Vandegriff & Company, 14 packages plants, April 10.—Rooney & Spence, 12 barrels trees, April 11 and 12.—Wm. Smartwood, 692 cases live plants, one box seed; E. Maureno, one crate bulbs; C. W. Lemvitt & Company, six packages trees; Brown Brothers & Company, 56 cases pine seed; C. E. Daily, two packages live trees; C. C. Abel & Company, 23 cases live plants.

European Notes.

The late date at which Easter falls this year is causing quite a mix-up of the seasons. The demand for garden seeds continues, and already the wholesale firms are in the thick of dispatching their advance orders for turnip, mangol and other farm seeds. Judging by the way trade has opened out there will be a good demand for these articles this season, and as prices of turnips and rutabagas rule high this department of our business should be somewhat more profitable than of late. The reports from the growing districts respecting the prospects for next season's crops of these articles are so uniformly unfavorable that buyers fully recognize the enhanced values.

There has been quite a revival of the demand for mangels of the long red type, and this in spite of the fact that they were supposed to have been supplanted by the giant half-sugar varieties. The latter are steadily making their way, especially in France, but Germany still swears by the Eckenlof, while England remains faithful to the giant yellow globe.

The efforts of the Royal Dutch Bulb Growers' Society to revive the culture of hyacinths in pots in England by the offer of liberal prizes at the Royal Horticultural Society have not been crowned with success. Only one trade exhibit was staged, and in this case the pots were the best part of the show. The amateur classes were a shade better and more numerous; but the competition was chiefly remarkable for the fact that the American ambassador (Hon. White-law Reid) had to play second fiddle to a British aristocrat (Lord Howard de Walden). Wake up, America!

EUROPEAN SEEDS.

RE-NAMING SEED NOVELTIES.—Commenting on the resolutions recently adopted by the Wholesale Seedsmen's League, the Horticultural Advertiser, Eng., says:

"The only point upon which we are not quite clear is as to the reading of the word 'Introducer.' Does this possibly cover the purchase and introduction of a novelty from Europe, and in this case is the introducer to be allowed to re-name same for the American trade? Or to put it baldly and plainly, do these new resolutions bind the American trade to act squarely in this matter toward its own members or had the framers a wider outlook and the intention of covering the civilized world?"

"It should be clearly understood that we are throwing no stones on this occasion, living as we all do in glass houses. On the contrary we earnestly wish that the seed trade here would also seriously consider the question and come to the same conclusion as our American confrères. At the present time, a really good carrot, lettuce, or any other vegetable raised on the Continent is introduced and promptly catalogued as 'Brown's A. 1.' 'Jones' Wonder' and 'Robinson's Magnificent' by the leading houses, the process being carried on the next season by all the lesser lights, so that in a year or two the same strain appears under some forty different titles, the rights and wishes of the original raiser being absolutely ignored."

"There is of course the polite fiction current in certain quarters that such care is taken in growing and selecting these strains after introduction, that they are radically altered and the introducer thus entitled to re-name at discretion; but we will not abuse our readers' patience by any lengthy discussion of such a lame contention. Our own opinion is that the present system is a blot upon an otherwise honorable trade, and the sooner it is removed the better for the credit of all concerned."

CATALOGUES RECEIVED.

CONRAD APPEL, Darmstadt, Germany.—Illustrated Catalogue of Tree and Grass Seeds.

KIRKMAN NURSERIES, Fresno, Cal.—Illustrated Price List of Fruit and other Trees, Decorative Plants, etc.

THE FRIEDMAN INSECTICIDES MANUFACTURING COMPANY, Brooklyn, N. Y.—Price Lists of Insect Powder, Tobacco Dust, etc.

CONARD & JONES COMPANY, West Grove, Pa.—Trade Price List of Roses, Cannas, Shrubs, Plants, etc. Illustrated. The lists are very comprehensive and include the latest novelties.

THE LEECHLE FLORAL COMPANY, Springfield, O.—Illustrated Catalogue of own root Roses, and Bedding Plants. A very comprehensive collection. A novelty listed by the firm is "Kaiserin Goldfolia," a sport of Kaiserin Augusta Victoria, white flower, foliage "a bright golden yellow, delicately veined and shaded."

THE STANDARD PUMP & ENGINE COMPANY, Cleveland, O.—Catalogue of Standard Pumping Engines using gas or gasoline for fuel, showing designs adapted for pumping from shallow wells, cisterns, lakes or rivers, etc., and others adapted to pumping from deep wells. Illustrated. The catalogue fully describes the firm's specialties and will be read with interest by all concerned in these necessary and useful machines.

ISAAC HICKS & SON, Westbury Station, N. Y.—General Catalogue of Nursery Stock, Roses, Hardy Garden Flowers, Small Fruits, etc. Beautifully and profusely illustrated, and giving very full descriptions of the subjects enumerated. Many of the illustrations afford helpful suggestions as to planting. This firm makes a specialty of transplanting large trees, for which purpose its patented tree mover is well adapted. An interesting and complete catalogue.

CANNAS

Special Prices to Close Surplus.

SIX VARIETIES AT \$1.00 PER 100. Al-lemanla, Austria, Marechal Valhante, also three grand sorts, large-flowered, names lost.

SEVEN VARIETIES AT \$1.25 PER 100. Burbank, Felix Cronse, Mlle. Herat, Morning Star, Bronze King, Metallica, King of Bronzes.

TEN VARIETIES AT \$1.50 PER 100. Atlanta, Partenope, Pennsylvania, J. D. Cahos, Ex Crampbell, L. Patry, J. C. Vaughan, Queen of Holland, President Carnot, Musafolla.

NOVELTIES: Enstera Beauty, \$2.00; R. Wallace, \$3.50 per 100; Iadina, Wyoming, Graf Waldersee, Hoffgartner Hoppe, Chutaqua, \$4.50 per 100; Queen of Beauty, \$2.00 per dozen; \$15.00 per 100. Our new seedling W. E. Cottrell, the best dark pink yet, 25c. each; \$2.50 per dozen; \$18.00 per 100.

Started plants of Cannas, started in sand, ready after April 15, same price as dormant roots; place your order now. A collection of 50 novelty CANNAS, all correctly labeled, started plants, for \$2.50.

Japanese Kudzu Vines, strong plants, \$4.00 per 100.

**FRANK CUMMINGS BULB & PLANT CO.,
MERIDIAN, MISS.**

CANNAS

Our stock is true to Name. Extra Selected, plumb, sound, 2, 3, 4-eyed roots.

	Per 100	Flor. Vaughan	\$2.00
Austria	.....	Gladiator, new	3.00
Alsace, white	3.00	Louise, pink	2.00
Alba Rosea	1.20	Metallica	1.20
America	2.00	M. Washington	2.00
Black Warrior	3.00	Musaeofolia, new	1.20
Buttercup, new	3.00	Mrs. K. Gray	1.80
Burbank	1.20	Pennsylvania	1.80
Black Prince	2.00	Pres. Meyers	2.00
Coronet	1.80	Robusta, red	1.20
Crimson Bedder	2.00	Sec. Chabanne	2.00
Evolution	2.00	All kinds mixed	1.00
Egandale	1.80		

DAILIES, field-grown whole clumps, 40 leading kinds, cactus, decorative and show, true to name, per doz. 45c.; per 100 \$4.00; per 1000 \$30.00. All kinds mixed, per 100 \$3.00; per 1000 \$20.00.

CALADIUMS (Elephant's Ears), sound bulbs, live center shoots, the best quality; Per 100

6-8 in. circumference \$1.50
8-10 in. circumference 3.25
10-12 in. circumference 5.50

TUBEROSES, Dwarf Pearl, the true kind, which will produce short stalks with double flowers:

1st size, 90c. per 100; \$8.50 per 1000.
2nd size, 50c. per 100; \$4.50 per 1000.

GLADIOLUS gand., mixed, 80c. per 100; \$7.50 per 1000, 25 at 100 rate.

All other bulbs, etc., see catalogue.

Shellroad Greenhouses, Grange, Baltimore, Md.

CANNAS

Two great Gold Medal Cannas. King Humbert 3c.; Wm. Kastig 5c.; Brandywine, most magnificent bronze-leaved bedder, 3c.; Egandale 2½c.; Crimson Bedder, a superb canna, 2c.; started plants or dormant roots.

GERANIUMS, S. A. Nutt, Bill, Poltevine, Jean Vland (pure pink), 2 ½ in., A No. 1 stock, \$2.50 per 100. Cash.

N. A. CORLIN, Elberon, N. J.

CABBAGE PLANTS

Jersey Wakefield, ready for field, \$1.25 per 1000. Tomato, all kinds, \$1.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

GERANIUMS

Young, thrifty, from pots. Nutt, Dbl. Grant, \$1.20. Ricard and Poltevine, \$1.40 per 100. Fine lot of strong, \$1.80 per 100. Heavy plants from soil cheap. Sample free.

COLEUS

Large, strong rooted, clean. Verschaffelii and G. Bedder, \$5.00. Fancy, very brightest, \$4.50 per 100. Giants, most brilliant of all, 85c. per 100. Bushy Plants, Red and Yellow, 85c.; Fancy, 70c.; Giant, \$1.00 per 100. Fine plants Sage, Fireball, Alternanthera, Red and Yellow, and Panates, extra choice in bud 75c. per 100. Gladioli, mixed, 90c. per 100. Cash.

DANIEL K. HERR, Lancaster, Pa.

NEW VIOLET BOSTON

Entirely distinct, a strong grower, a free bloomer, and the finest single violet in cultivation. Ready for distribution in April and May.

\$12.00 per 100; \$100.00 per 1000.

WILLIAM SIM, CLIFTONDALE, MISS.



HYBRID TEA ROSE KILLARNEY

Hybrid Perpetual, Moss and other Hardy Roses. Strong two-year-old Plants, nearly all in 6-inch pots.

	Per 100
Alfred Colomb	25.00
Anna de Diesbach	25.00
Alfred K. Williams	25.00
American Beauty	25.00
Blauche Moreau	25.00
Baroness Rothschild	25.00
Baron de Bonstettin	25.00
Camille Bernardin	25.00
Capt. Christy	25.00
Crested Moss	25.00
Comtesse de Muramais	25.00
Coquette des Blancs	25.00
Common Provence	25.00
Clio	25.00
Comtesse of Oxford	25.00
Charles Lefebvre	25.00
Crimson Globe	25.00
Duke of Edinburgh	25.00
Earl of Dufferin	25.00
Fisher Holmes	25.00
Francois Michelin	25.00
Franz Karl Druschki	25.00
General Jacqueminot	25.00
Gloire de Margottin	25.00
Gloire de Lyonnaise	25.00
Gloire de Mosses	25.00
Jour Majestic	25.00
Jean Liabaud	25.00
Louis Van Boute	25.00
Magna Charta	25.00
Margaret Dickson	25.00
Mrs. R. G. Sharman Crawford	25.00
Mrs. John Laing	25.00
Mabel Morrison	25.00
Mme. Planifier	25.00
Mme. Victor Verdier	25.00
Mme. Gabrielle Luizet	25.00
Marchioness of Lorne	25.00
Marie Baumann	25.00
Nava Zembla	25.00
Princess Adelaide	25.00
Paul Neyron	25.00
Princess Camille de Rohan	25.00
Queen of Queens	25.00
Robuchanarchi	25.00
Rubm der Gartenwelt	25.00
Rugosa Red	25.00
White	25.00
Sahel d'Or	25.00
Tom Wood	25.00
Ulrich Brunner	25.00
Victor Verdier	25.00
White Baroness	25.00

Rambler, Climbing and Trailing Roses

	Per 100
Climbing Clothilde Souper	25.00
Crimson Rambler	25.00
Dorothy Perkins	25.00
Gloire de Dijon	25.00
Lady Gay	25.00
Philadelphia Rambler	25.00
Prairie Queen	25.00
Perian Yellow	25.00
Reine Marie Henriette	25.00
Sweet Brier	25.00
Lord Penzance	25.00
Lady Penzance	25.00
Meg Merrils	25.00
Anne de Gierstein	25.00
Brenda	25.00
Tausendschuh	25.00
Trier	25.00
Wichuriana White	25.00
Evergreen Gem	25.00
Gardenia	25.00
Pink Roamer	25.00
South Orange Perfection	25.00
Triumph	25.00
Universal Favorite	25.00
Yellow Rambler	25.00

Baby Rambler Roses

A type of Rose which is becoming very popular for bedding purposes. They form shapely, compact, bushy specimens about 18 inches high, producing great profusion from early in the season until severe frost unwise trusses of small flowers.

Crimson Baby Rambler (Mme. Norbert Levasseur). An extra fine lot of strong two-year-old plants, \$2.50 per dozen, \$20.00 per 100.

Pink Baby Rambler (Anchen Muller). Brilliant luminous pink, a shade that is always admired. \$3.00 per dozen, \$25.00 per 100.

White Baby Rambler (Katherina Zemet). Pure white flowers, showing the yellow stamens very prettily, produced in large candle-like shaped trusses. \$3.50 per dozen; \$25.00 per 100.

Hybrid Tea and Other Everblooming Roses

	Per 100
Antoine Rivoire	25.00
Belle Siebrecht	25.00
Bessie Brown	25.00
Belle Lyonnaise	25.00
Caroline Testout	25.00

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

IRIS PALLIDA DALMATICA

A beautiful shade of lavender; the largest and most beautiful of all the German Iris, perfectly hardy, and free-flowering; one of the good things almost lost to horticulture. \$12.00 per 100, \$100.00 per 1000. Cash with order.

J. A. PETERSON
McHenry Ave., Westwood, Cincinnati, O.
VIOLET CULTURE
Price, \$1.50 Postpaid
A. T. De La Mare Ptg. & Co. Ltd., New York.

VEGETABLE PLANTS

TOMATO, Mayflower, Lorillard, Earlana, Early June Pink and Early Jewel, 30c. per 100; \$2.00 per 1000.
BETS, Egyptian and Crosby's, 20c. per 100; \$1.25 per 1000.
CELERY, White Plume and Golden Self Blanching, 20 cts. per 100; \$1.25 per 1000.
PEPPER and EGG PLANTS, ready for transplanting, 40c. per 100; \$2.00 per 1000.

R. VINCENT, JR. & SONS CO., White Marsh, Md.

Carnation growers who have a surplus of young plants should advertise them in **THE FLORISTS' EXCHANGE.**

Dreer's Offer of Select Roses

STRONG TWO-YEAR-OLD PLANTS in 5 and 6-inch pots, specially prepared for outdoor planting.

The Roses which we here offer are field-grown stock, either American grown or plants that have been imported from England and Ireland. We handle no Holland grown Roses.

These plants are all potted up during December and January, and were stored in cold houses; they are now growing freely and are in prime condition to sell to your retail trade; all are in 5 and 6-inch pots, according to variety.

	Per 100
Catherine Mermel	25.00
Celia (new)	25.00
Comtesse de Frieuense	25.00
Comtesse Riza du Parc	25.00
Corallina	25.00
Comtesse Cairns	25.00
Duchess de Brabant	25.00
Earl of Warwick	25.00
Etoile de Lyon	25.00
Franz Deegen	25.00
Farbin Konigin	25.00
Francoise Kruger	25.00
Franz Lila Rautenstrauch	25.00
Gross an Teplitz	25.00
Grace Darling	25.00
Glady Barkness	25.00
Glady Grunewald	25.00
G. Sabonnard	25.00
Hermosa	25.00
Hon. Edith Gilford	25.00
John Kuskin	25.00
Johanne Sebus	25.00
Joseph Hill	25.00
Kaiserin Augusta Victoria	25.00
Killarney	25.00
Konigin Carolla	25.00
La Tosen	25.00
La France	25.00
La Detroit	25.00
Lady Battersea	25.00
Liberty	25.00
Maman Cachet, Pink	25.00
White	25.00
Marie Van Houtte	25.00
Mrs. B. R. Cant	25.00
Mildred Grant	25.00
Mme. Abel Chateaux	25.00
Edmee Metz	25.00
Julius Grolez	25.00
Ravary	25.00
Lombard	25.00
Falout	25.00
de Vatteville	25.00
Epa Gontier	25.00
Perle des Jardins	25.00
Pharisier	25.00
Prince de Bulgarie	25.00
Queen's Scarlet, or Agrippina	25.00
Richmond	25.00
Souvenir de Catherine Guillot	25.00
de President Carnot	25.00
de la Malmaison	25.00
de Pierre Notting	25.00
Safrano	25.00
Sunset	25.00
The Warrior (new)	25.00
Vicomtesse Falkstone	25.00

SURPLUS STOCK FOR SPRING, 1908

Cal. Privet, 1000 plants, 40 Norway Maples, 14 1/2 feet tall, 2 1/2 inches diam. Curlew Poplar, 12 to 14 feet tall, 2 1/2 inches diam. Hybrid Rhododendrons, 18 1/2 to 20 inches tall, 1 1/2 to 2 inches diam. Rhododendron maximum, 18 to 20 inches tall, 1 1/2 to 2 inches diam. Kalmia latifolia, plants collected in garden lots.

Write for prices.
The Morris Nursery Co., N. Y. City
Sales Office, 1 Madison Ave.

AMPELOPSIS VEITCHII

10,000 well-rooted, 20 to 30 inch, \$2.50 per 100; \$20.00 per 1000. 1000 one-year seedlings, 12 to 24 inch, 11.50 per 100; \$12.00 per 1000. In pots of 2000 and over, \$10.00 per 1000; fine for transplanting, packed free of charge. For sample by mail send 25c. in stamps.

Address, **CHARLES BLACK, Hightstown, N. J.**

RHODODENDRONS

HARDY HYBRIDS, 1 1/2 ft., 2 ft., 3 ft., 4 ft., 5 ft. BOX, all sizes Bush, Pyramid and Standard.
ROSES, large assortment Hybrids and Climbing.
HERBACEOUS PERENNIALS, 1000 varieties.
 Send for General Catalog and Trade List
The NEW ENGLAND NURSERIES Inc.
Bedford, Mass.

Magnolia Rhododendron Azalea Clematis Peonies Phlox	<h2>Nursery Stock for Florists' Trade</h2> <p>EVERYTHING WORTH PLANTING Roses a Specialty All kinds of Fruit Trees Ornamental Trees and Shrubs, Evergreens, Berries, Herbaceous Plants W. & T. SMITH COMPANY 62 Years GENEVA, N. Y. 700 Acres</p>	Boxwood Privet Barberry Thunbergii Hydrangea Tree, 4-6 ft. Spiraea Van Houttei Koster's Blue Spruce
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HARDY NEW ENGLAND GROWN NURSERY STOCK
 WE GROW A GENERAL ASSORTMENT OF
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.
 Prices Reasonable. Wholesale Trade List for the asking.
BAY STATE NURSERIES, NORTH ABINGTON, MASS.

AMERICAN NURSERY COMPANY We Can Supply Your Every Need. Write for Prices.
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 Fred'k W. Kelsey, New York City, F. & F. Nurseries, Springfield, N. J., Sales Department
 Bloodgood Nurseries, Flushing, L. I. N. J. & L. I. Nurseries 150 Broadway, New York.

SURPLUS LIST OF SHRUBS

for immediate effect. Shrubs must be sold this Spring on account of cleaning ground, and they are also too large to hold over. They are in excellent condition, clean, healthy and have good fibrous roots, strong and bushy.

	Height Feet	Each Wholesale Price		Height Feet	Each Wholesale Price
100 Deutzia crenata	2-3	25c.	50 Forsythia viridissima	3-4	25c.
300 " "	3-4	30c.	475 " "	4-5	30c.
235 " "	4-5	35c.	400 Ligustrum ibota	3-4	35c.
250 " "	5-6	40c.	30 " "	4-5	40c.
45 Deutzia gracilis	1-1 1/2	15c.	10 " "	6-7	50c.
147 " "	1 1/2-2	20c.	200 Lonicera Morrowii	3-4	35c.
298 " "	2-3	25c.	175 Philadelphus coronarius	4-5	40c.
210 " "	2 1/2-3	30c.	25 " grandiflorus	4-6	40c.
30 Diervilla (Weigelia) rosea	3-4	30c.	137 Spirea opulifolia	5-6	35c.
95 " "	4-5	35c.	288 " "	5-6	35c.
355 " "	5-6	40c.	327 " aurea	6-7	40c.
100 Forsythia Fortunei	4-5	30c.	177 " "	6-7	40c.
150 " "	5-6	35c.	200 Symphoricarpos Vulgaris	3-4	30c.
94 " "	6-7	40c.			

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NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSERYMEN,

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

LAKE CITY, MINN. Roy D. Underwood was elected mayor of Lake City, Minn., on April 7, 1908. He is one of the well-known and rising young men of Minnesota. He is the son of J. M. Underwood of the State fair board of managers, and as the secretary of the Jewell Nursery Company of this city is prominently identified with the horticultural interests of the State. When he assumes his oath of office he will bear the distinction of being the youngest citizen ever elected to this position.

ILLNESS OF PROFESSOR JOHN CRAIG.—Nurserymen and horticulturists generally throughout the country will regret to hear of the illness of Mr. John Craig, Professor of Horticulture at the College of Agriculture, Cornell University, N. Y. For some time past, Professor Craig has been suffering from acute stomach trouble. In hopes of obtaining relief he sailed with his wife and son for Egypt on the first day of February. The voyage was rough and uncomfortable for the sick man, who suffered considerably. He had thought that the fine winter climate of Egypt and the change of scene would benefit him. It was found necessary, however, to give up this trip. Some days were spent at Genoa, Italy, in recuperating from the effects of the voyage. At present, Professor Craig is at Lausanne, Switzerland. The services of a skilled surgeon have been secured and an operation will be performed to bring relief and cure to the patient sufferer.

AMERICAN ASSOCIATION OF NURSERYMEN.—The thirty-third annual meeting of this organization will be held in Milwaukee, Wis., June 10 to 12 next. Mr. Seager, who fills the dual capacity of secretary of the association and chairman of the committee on arrangements, has secured a very satisfactory contract with the management of the Hotel Plankinton for convention headquarters, and those who attended the annual meeting held in this hostelry a few years ago, will recall with much pleasure the courtesies extended us at that time.

Mr. Berckmans, chairman of the committee on program, assisted by his associates and Secretary Seager, is arranging an excellent program which is to occupy a session of about three and a half hours each day, and the remaining time is to be devoted to social features and sight-seeing, the latter of which is in charge of the local committee, of which Mr. Ferguson is chairman.

Mr. Meehan, chairman of the committee on exhibits, aided by Mr. Kelsey and Mr. Bernardin, expects to completely fill the large and commodious exhibition room generously tendered by the Hotel Plankinton. This feature of the annual meeting is becoming more important and valuable each year, and much time may be profitably spent in this department. The gentlemen of this committee represent distinct and separate sections of the country, and we may confidently expect them to have a more extensive exhibit this year than last, which was the best in the history of the association.

The committee on legislation, of which Mr. Pitkin is chairman, as well as that of uniform inspection law, headed by ex-President Harrison, and various other committees, will have interesting reports.

The management of the C. M. & St. P. Railway has arranged to run a nurserymen's special from Chicago on the morning of the 9th, to which special cars bearing delegations from the East and South are to be attached.

J. W. HILL, President.

Hardy Evergreen Climbers.

The correspondent who asks for a list of evergreen climbers will have to be satisfied with a short one. Here, even in Philadelphia, where Winters are not over severe, we are compelled to be satisfied with the English ivy and the *Euonymus radicans*. Both are quite hardy, no matter where growing, but the English ivy does the best when on the eastern end of a dwelling, where but little sun gets to it. In very severe Winters it will become of a browned appearance when in a sunny situation, but it is rarely much injured, no matter where growing.

The *euonymus* is hardy anywhere, no matter what exposure it has, but its comparatively small foliage calls for its use on low walls rather than on high ones or on dwellings. It is often used on low walls, bordering lawns or embankments and appears to suit such situations better than the English ivy does. There are many owners of dwellings who if asked their choice between the English ivy and the Japanese ivy, *Ampelopsis Veitchii*,

would choose the latter. The evergreen of the English ivy is less pleasing to some than the deciduous character of the Japanese. *Ampelopsis Veitchii* makes leaves early in Spring; as soon as frozings are over they appear, and the changing character of the vine, its pretty foliage in Summer and its orange scarlet tint in



Chamaecyparis Nutkensis.
(*Thuja borealis*).

Autumn please greatly. Undoubtedly there is room for both vines, just as there is for both evergreen and deciduous trees and shrubs.

But for all purposes of covering surfaces of walls and like structures there are no other creepers that could do as well as the English ivy and *Ampelopsis Veitchii*.

Propagating Purple-Leaved Hazel.

A correspondent inquires if the purple-leaved hazel could be raised from its nuts. Answering this, it may be said that a hazel is but a variety it is unlikely that it would come wholly true from seed. The experience with other purple-leaved varieties of trees and shrubs is that seedlings vary; at times the greater number of them will come true, then at other times but a few will do so. There is no dependence on them. In the case of the purple-berberry the greater number of the seedlings will be purple, and nurserymen obtain the seeds of it and sow them, relying on getting the greater quantity of purple; and the picking out of the few green ones is done by marking them when they are in leaf while in the seed beds. Weeping trees and all others of a varietal nature behave in much the same way when grown from seeds.

To increase the purple-leaved hazel, layering is usually resorted to. Strong plants are cut down in early Spring, to induce strong shoots to form, and these shoots are layered when of sufficient length. It is really the only feasible way, because when in cultivation this hazel rarely seeds when growing alone, hence nuts of it are unprocurable. Hazels in this respect are in line with many other trees and shrubs; seeding is always more prolific when several are growing near each other, one fertilizing the other.

Setting Hedges of *Berberis Thunbergii*.

Owing to the beauty of the Japanese berberry, *Berberis Thunbergii*, when used for hedging it is extremely popular for this purpose. It makes such a close growth that it is a defensive hedge where wanted for such a situation, but it is as an ornamental division hedge that it finds its greatest use. Its pretty, close growth, neat green, small leaves, which turn to a scarlet color in Autumn, yellowish white flowers in Spring and scarlet berries in late Summer, Fall and Winter, make a list of merits no other shrub possesses to a like degree; and after its first year of planting it needs no pruning.

As it is of a nature that pushes forth its leaves very early in Spring, it causes a distrust of planting it later in the season; but when planted with foliage well expanded the plants will live, with proper treatment. In the first place, do not permit the roots to become dry at any time while out of the ground. Prune back the shoots about one-half. See that the soil is firmly pressed about the roots. Sand is good material to fill in about the roots, that is, for the first covering of them, as it completely fills all crevices. When the planting is done at the proper time in Spring no watering is required, but, later, when the leaves are well out, a good soaking when the trench has been about half filled in will be the assuring of success.

Chamaecyparis Nutkensis (*Thuja borealis*).

Nurserymen are loth to change the names of their plants, even when those they have are not the authorized accepted ones, because it causes confusion to those of their customers who are not botanists and who may have acquaintance with the plants under their old names. The evergreen we have before us now is of this class. It has been in horticultural literature for fifty years or more as *Thuja borealis* and is still listed as such in some catalogues, yet its correct name is *Chamaecyparis nutkensis*.

Although coming from the Pacific Coast, whence come so many evergreens that do not succeed well with us, it is one of several that are quite at home in the Middle States; and the surprise is that it is not better known than it is. Near Victoria, B. C., Mr. Knight wrote us of some beautiful specimens existing there, where it is native. The one illustrated agrees well with what is said to be the tree's habit of growth, and yet as it grows here it is often several more feet in diameter at the base in proportion to its height than the one of our picture. The specimen shown is growing on an elevation the descent from which is quite rapid, and its position is such that it would be apt to become of a quite conical character.

Nearly or quite all of the members of this genus thrive best in a moist soil, well drained but still moist.

Many other well known evergreens have now been placed under the same name as the *Thuja*, viz., *Chamaecyparis*. The *retinisporsis*, *Cupressus Lawsoniana* and *C. thujaoides* and their varieties are all now under the one head, but it is questionable whether nurserymen can follow the scientific leaders as yet. By accustoming their customers to a change, by using both names in their lists, it could be brought about in time.

We would recommend this, the Nootka Sound cypress, as it is called, to the attention of planters. It is quite distinct from any other evergreen. Fortunately its roots readily from cuttings taken off in early Winter and rooted in heat in a greenhouse. For some unaccountable reason seeds are rarely to be had in the trade, hence plants from cuttings have to be looked for.

JOSEPH MEEHAN.

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100, \$2; 1000, \$25.	\$3.00 per 100; \$27.50 per 1000
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Safrano	Helen Gould
Snowflake	Bessie Brown
Mosella	Climbing Kaiserin
Isabella Sprunt	Malmaison
Coq. De Lyon	Meteor
Marie Van Houtte	Papa Gontier
The Bride	White Bongere
Bon Silene	Gruss an Teplitz
Chatenay	Hermosa
D. of Brabant	Lady Gay
Queen's Scarlet	Sunrise, 100, \$3.50.
Crimson Rambler	Etolle de France, 100, \$3.50; 1000, \$30.00.
100, \$3.50; 1000, \$30.00.	Joe Hill, 100, \$4.00
Kaiserin	Helen Gould, 100, \$5.00.
Perle des Jardins	Baby Rambler, in bud and bloom.
Magnafrano	4 in. pots, 100, \$8.00.
Paul Neyron	
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PERNS, Whitmani, 4 in., \$10.00 per 100.

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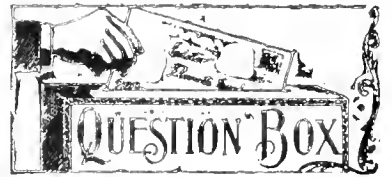
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Cocoon Fiber.—In answer to the question of B. C. B. in the issue of April 4, page 180, we would say that Wm. Elliott & Sons, 201 Fulton street, New York City, handle cocoon fiber.

We are in receipt of the following communication, which is self-explanatory: "I notice in The Florists' Exchange an inquiry about cocoon fiber by B. C. B., Ohio. I write to inform him that we are the only handlers of fiber in this part of the country, from a carload down to 25c bags. TWENTY-FIFTH CENTURY PLANT FOOD COMPANY, 27 and 29 Ocean street, Beverly, Mass."

(69) **Ferns and Firs, Natives of New York State.**—What ferns and firs are natives of New York State, and which are the more numerous? I would rather have just the common names.
North Carolina. SUBSCRIBER.

—I cannot give to a certainty the list of ferns to be found in New York State, but would expect to find all the following there: Adder's tongue fern, moonwort, three species, climbing fern, flowering fern, three species, polypod fern, probably four species, ostrich fern, rock brake, four species, maidenhair fern, mountain fern, spleenwort fern, probably six species, walking fern, rock polypod, bladder fern, sensitive fern, shield fern, probably five species.

Of firs, the only one is the balsam. The common names only are given as desired.
J. M.

(70) **Thrips on Carnations.**—My house of carnation Enchantress is affected as per foliage sent herewith, the tips of the leaves becoming yellow and dry. The other varieties seem to be in good health. I enclose a leaf that seems to be variegated by the influence of some pest; this is only on a few plants. What is the cause of the trouble?
R. L.

—The carnation foliage appears to have been badly affected with thrips at some time or other, and the marks left there are caused by the punctures of those insects. The only remedy that can be applied at the present time is to syringe with some tobacco insecticide, repeating the syringing every four or five days so as to thoroughly get rid of the pest. Once the thrips are all destroyed the new growth of the carnations will not have that variegated appearance.

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We have unsold at the present time the following varieties—all field grown plants, grown in our nurseries at Rochester, N. Y.:

Anne de Diesbach	Prince Camille
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John Hopper	Yellow Rambler
Mme. G. Loizet	Philadelphia Rambler
Marshall P. Wilder	Common Sweet Briar
Mrs. John Lutz	Mme. G. Brunet
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OWN ROOTS. 2 1/2 inch pots
2000 BRIDES, 100, \$3.50; 1000, \$30.00
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1000 2-year-old plants in fine condition \$8.00 per 100.

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LIST OF ADVERTISERS

Table listing various florists and their addresses, including Adams & Co., Allen J. K., Alma Nirs, and others.

Table listing florists in Los Angeles, Cal., such as W. J. R. Jr. & Sons, W. J. R. Jr., and others.

INDEX TO STOCK ADVERTISED

Table listing various types of plants and flowers with their corresponding prices, including Abutilon, Adiantum, and Azaleas.

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Los Angeles, Cal. A Spring Show. The third annual Spring flower show of the Pasadena Gardeners' Association closed April 4...

Kalamazoo, Mich. Trade Notes. Easter has not yet had its usual consideration now before the florists and judging from advance orders...

Plenty of cut flowers will be on hand, VanBochoves estimate their carnation cut for the week at about 25,000...

A. K. Macomber exhibited a fine collection of orchids, consisting of cattleyas, liliads, dendrobiums, lycastes, Phalaenopsis grandiflora...

W. C. Brangdon exhibited the finest specimens of Cineraria hybrida shown in this part of the State...

Black Rats Arrive. In a shipment of twenty thousand Chinese lilies, which were packed in bales...

Under the Three Balls. Mrs. Harker—John, this family paper says all rubber plants should be soaked occasionally...

5000 LOUISIANA CANNAS. 2 and 3 eyes, dark red orchid flower, size 6.7 per foot, 2.0 for \$10.00.

150,000 CALIFORNIA PRIVET. 3 years twice cut back and transplanted very bushy, 2 1/2 to 4 feet \$25.00 per 1000.

James Ambacher, West End, N. Y. The Cedar Hill Gardens, Sea Cliff, L. I., N. Y.

GERANIUMS, GRASS, HETI RANTHUS, SATE, strong plants, 2 1/2 to 3 1/2 inches per foot, \$20.00 per 1000.

JAMES AMBACHER, WEST END, N. Y. When Writing Please Mention THE FLORISTS' EXCHANGE.

NEW CANNAS 1908

ROSEA GIGANTEA

This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2 1/4 inches across; color, a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. (A great favorite with visitors to our trial grounds.) Strong plants, \$2.00 each, prepaid; \$18.00 per doz. by express, not prepaid.

GLADIO-FLORA

Remarkable for the unusual shape of the flowers, which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap

each other, thus giving a very attractive appearance to the flowers. Color is crimson, changing to carmine rose with an uneven edge of gold to each petal. Height, 3 1/2 feet. Price, strong plants, \$2.00 each, prepaid; \$18.00 per doz., by express, not prepaid.

CANNA METEOR

Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich; each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all Summer through. Price, plants or dormant roots, 75c. each, prepaid; \$5.00 per doz., by express, not prepaid.

NEW CANNAS OF SPECIAL MERIT

WILLIAM SAUNDERS

(1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze.

Height, 3 1/2 to 4 feet. We believe that Wm. Saunders is decidedly the most perfect canna of this type that has been introduced. Those who tried Wm. Saunders in 1907 say it cannot be excelled. We offer plants only; 80c. each, prepaid; \$5.00 per doz., \$35.00 per 100, by express, not prepaid.

60 other Varieties. Send for list and prices

THE CONARD & JONES CO., West Grove, Pa.

500,000 Palmetto Asparagus Roots

2, 3 and 4 Years Old

Well developed. Grown on Bloomsdale.
Trade Price, \$3.50 per Thousand.

No Order will be taken under One Thousand

D. Landreth Seed Company, Bristol, Pa.
Bloomsdale Seed Farms.

CHRYSANTHEMUMS

100,000 Plants, now ready, in 2 1/2 in. pots of all the novelties and standard varieties. The best American and Australian seedlings, and a complete list of the new singles.

ROSES

Rhea Reid and Mrs. Jardine, \$4.00 per dozen; \$30.00 per 100. Grafted Brides, Maids, Richmond, Killarney, \$12.00 per 100; \$100.00 per 1000. Own root Brides and Maids, 2 1/2 in., \$3.00 per 100; \$21.00 per 1000.
BEGONIA Givre De Lorraine, \$15.00 per 100; \$145.00 per 1000.

CHAS. H. TOTTY, Madison, N. J.

100,000 CHRYSANTHEMUMS

Fine, Vigorous Stock

WHITE

Byron, Ivory, Bonnaillon, Jones, J. J. Mitchell, Noinin, Polly Rose, Tauset.

PINK

Maud Dean, Minnie Bailey, Dr. Enguehard.

YELLOW

Appleton, Bonnsillon, Jones, Eaton, Wedding.

Rooted Cuttings, \$1.50 per 100, \$15.00 per 1000.

COLEUS

\$2.00 per 100, \$18.00 per 1000; Rooted Cuttings, \$5.00 per 1000; Golden Bedder, Verschaffeltii or assorted 12 varieties.

Orders booked for future delivery.

The Brenneman Floral Co., Wholesale Florists HARRISBURG, PA.

20,000 CHRYSANTHEMUMS

Rooted Cuttings Now Ready.

WHITE—Timothy Eaton, Mrs. Geo. S. Kollb, fine early; Estelle, White Bonnaillon, Alice Byron, Ivory, C. Tauset, Jeannie Noinin. PINK—Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere. YELLOW—Major, Bonnaillon, Crema, Robt. Halliday, "Baby," small yellow. \$2.00 per 100; \$15.00 per 1000. Cash with order.

WM. SWAYNE, P. O. Box 226, Kennett Sq., Pa.

Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

CHRYSANTHEMUMS

ELEGANT ROOTED CUTTINGS

Jones, white	100	1000
Ivory, white	1.75	\$15.00
Bonnaillon, yellow	1.75	15.00
Golden Wedding, yellow	1.75	15.00
Maud Dean, pink	1.75	15.00
2 1/2 in. plants, \$20.00 per 1000.		
Giant White DAISIES, \$1.75 per 100.		

We guarantee to give satisfaction or money refunded.
Cash with order or satisfactory references.

MILBROOK LEA GREENHOUSE CO., West Whiteland, Pa

Chrysanthemum Rooted Cuttings

MONROVIA, MAUD DEAN and J. NONIN. Rooted Cuttings for March delivery, \$1.50 per 100.

ANTON C. ZVOLANEK, BOUND BROOK, N. J.

CHRYSANTHEMUMS

For Every Purpose. A card will bring our Illustrated 1908 Catalogue.

ELMER D. SMITH & CO., Adrian, Mich. Successors to Nathan Smith & Son.

THE WEEK'S WORK

Timme's Timely Teachings.

The Busy Season.

Florists, seed merchants, nurserymen, all are now at their busiest. The rush that Easter brings is only the beginning of the retail and wholesale plant grower's most active season, a foretaste of what is yet to come, as lively a time, no doubt, as any ever occasioned by a demand for the good things plantsmen are wont to offer in the Spring. The retail plant grower, who works like a beaver in preparing for this, his most important line and time of trade, never missing his holiday opportunities besides, prefers an early Easter to one coming as late as this year's. Much of the work, of necessity deferred until after Easter, should have been attended to sooner. Considerable space occupied by holiday stock—the best available—was badly needed long before this. Any sort of overcrowding of young and rapidly advancing bedding and general greenhouse plants, meagerly allotted attention occasionally amounting to real neglect, unavoidable though it may have been, never comes nearer to working serious mischief than as so forward a period of the most favorable of seasons for the furtherance of plant growth. Easter over, with room gained and judiciously utilized, will to some extent rectify many of the wrongs alluded to. This should be first in the coming week's work.

The Packing of Growing Plants.

The lateness of Easter and consequent scarcity of room also had the effect of delaying orders for young stock and rooted cuttings, to be sent for in good time, as per oft-repeated advice. This, too, is a matter that now should be attended to without further delay. Former dealings with large growers of stock needed by the smaller ones, furnish these latter with a variety of experience difficult to acquire in any other way. The substitution of varieties for those ordered, or of larger and higher priced plants of the same kind for the sizes wanted, or, worse still, the sending of stock much inferior in quality to what it was claimed to be, all these evidences of trade-killing subterfuge and improbity, practiced right smartly in bygone days, are not among the causes for just complaint at the present time. Exceptions, if there are any, are few. It can truly be said that plants as now grown in masses for wholesaling never gave clearer proof of good culture or the business rectitude of their shippers. But in spite of all this, or rather because of the unmistakable evidence of the sender's best intentions and the fine condition the plants were in before being made up in the order, the buyer on their arrival very often, not always, has ample cause for complaint and deeply felt regret. What in the name of common sense is the use of going to all the trouble and expense involved in the growing of excellent stock and then undoing it all in the packing for shipment? Very often at arrival the erstwhile finest plants are practically ruined—for the time being at least; part of their shoots and branches broken, many of the leaves gone or yellowed, sometimes lower stems and foliage slimy with decay, all owing to careless, reckless wrapping and packing. Rooted cuttings of a somewhat tender or soft growth not infrequently present a sorry sight after the recipient has removed the needlessly heavy wrapping, finding in the lack of sufficient moss on and around places where it should have been placed, or in its being too dry or soaking wet, the cause of all the plight. But there is one insane way of packing soft growth, tender rooted stock which more than aught else is apt to arouse the ire of the most forgiving of plant growing mortals. It is this: the finding of several plants squeezed into one dry, hard, shapeless lump, apparently by the exertion of superhuman force. Not only is some of the top-growth smashed and tightly imbedded in the brick-like mass, but most of the roots are crushed and broken in the performance of the brutal act. If these plants, nicely root-bound, had been wrapped singly in a small piece of brown paper, had been placed, even pressed tightly together in an upright position on a cushion of excelsior overtopped with a layer of wet moss, their upper growth and foliage free, in a box not overtightly nailed up, they would

have stood quite a long ride at this season, would have arrived in good condition, ready for going into pots a size larger and to be grown on at once. If but a day or two on the road, plants of most kinds, carefully wrapped singly or several in a bunch—rooted cuttings from one to two dozen together—can be laid flat-wise, several layers one above the other, and no harm will touch them during transit. All should be correctly and legibly labeled, one label for each lot or variety, and the various lots separated by partitions in the form of wood or paper.

Planting and Potting.

Much of the stock, hardy or hardened off, that now takes up considerable room in frames and houses, can go in the field or be planted in borders and beds. No risk, however, should be needlessly run by being too hasty in the transfer of insufficiently hardened stock from warm quarters to the open. An intermediate forth-bringing from house to frame, although entailing a deal of extra labor, is the safer course to take in the case of greenhouse reared stock that is to be planted in the field in April or early May. There is no more convenient place for the weaning of plants than a frame, the half-way station between indoor and outdoor conditions. Whatever room is gained anywhere under glass by the shifting about or planting out of plants is now required for the vast numbers of seedlings and cuttings ready for pots. All cuttings should be potted up before the newly made roots reach any real length; their being in evidence alone correctly points the right time. Many kinds of seedlings must undergo a transplanting prior to being potted, while some may be allowed to remain in their first seed boxes until of fair size, big enough for being potted up or planted into the free soil of a bench, a frame or the garden. When grown for the general trade in bedding plants, pot grown stock is to be preferred, the few exceptions being daisies, pansies and some of the flowering sized, two-year-old herbaceous garden plants. All seedlings of fast growth are planted deep, nearly up to the seed leaves; dahlias, palms, cannas, verbenas, cosmos, etc., require the depth of rose pots; ferns, begonias, cyclamens, celosias, torenias, the shallow or begonia pots, and nearly all others the ordinary standard make, which also, if need be, will do fairly well for any of the first named kinds.

Soil.

Good soil is an essential to success in this sort of business, one of several. Good soil for an all-around and everyday use in an establishment devoted to the growing and selling of many kinds of stock, most of it of the more common species of garden and market plants, is not always easily and cheaply obtained, must be bought in good season, be worked and prepared long before it is used, but it never costs the practical grower a moment of worry as to its fitness, nor does he lose much time in being over nice in the preparation of special brands and mixtures. Good potting soil for small stock should before all else be sweet and fresh; it should contain plant food in some form, decayed barnyard manure, not visible in the mixture, being always the safest, the amount varying as to the kind of plants to be potted; it should be of the friable, not the baking sort, should feel gritty, whether this is due to its sandy nature or other ingredients, and finally, when ready for immediate use, it should possess the temperature of the house, be fairly moist, so that it does not roll when heaped up and permits of being properly firmed in potting.

FRED. W. TIMME.

ASPARAGUS Plumosus and Sprengerl, strong plants, 2 in. pots, \$2.25 per 100.

STOCKS, double white, in bloom, 6 in., 20c. each.

ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100. GERANIUMS, double scarlet and red, \$1.75 per 100.

ARACARIAS, 20 in., four tiers, \$1.00.

HYDRANGEA Pauciflora Grandiflora, 10 in., \$3.00; 2 to 3 feet, \$6.00 per 100.

FERNS, Scotch, 4 in., 10c.; 5 in., 15c.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

California Privet, 5 to 6 ft., 5c. each.

J. H. DANN & SON WESTFIELD, N. Y.

New York.

The Week's News.

The club meeting on Monday evening was extremely well attended, and everyone was glad to be in a comfortable meeting place again.

We announce, with deep sorrow, the death of Jeannette, daughter of Mr. and Mrs. James Dean, Freeport, L. I., who passed away at San Antonio, Texas, whither she had gone in search of health, on Thursday morning, April 9.

A. J. Guttman, wholesale florist at 43 West Twenty-eighth street, has leased a much larger store at 34 West Twenty-eighth street in the Volunteer Building.

Among the creditors of Caroline E. Scallen, who filed a petition in bankruptcy last week, are George Schlegel, \$1,098; John L. Raynor, \$575; A. J. Guttman, \$531; Julius Roehrs Company, \$460; and Walter F. Sheridan, \$349.

Robert Berry has charge of the planting of the new St. Nicholas Park, which is located in the upper part of the city, under the superintendency of Landscape Architect Parsons of the city parks.

On Tuesday, April 7, a boy was born to Mr. and Mrs. Joseph Levy. Mr. Levy is of the firm of John Seligman & Company, wholesale florists, at 56 West Twenty-sixth street.

The weather has been so far rather cold since the opening of the plant market at Canal street, yet the peddlers can be seen in all parts of the city almost with their loads of flowering plants, all of which is evidence that the growers are meeting with the usual success at their early morning market.

The auction rooms throughout the city—and we have three now in operation—all report a good business in the plant line, both in domestic flowering plants and in imported hardy stock.

So far as we can see at this writing (Tuesday, April 14), there will be a supply of lilies large enough to fill all wants—that is, so far as the cut lilies go. The lilies sold on plants that are of suitable height will probably not be any too plentiful, and 12c. per flower or bud will no doubt be realized for a great many.

Patrick O'Mara of Peter Henderson & Company left on the midnight train on Monday for Washington on business.

John Cleary, father of John P. and Ambrose Cleary, died at his home in Haverstraw, Tuesday, April 7, at the age of 76 years. Mr. Cleary was born in Valley Shannon, County of Donegal, Ireland, seventy-six years ago and came to America when he was about seventeen years of age. He located in Brooklyn, and for a number of years conducted merchant tailoring establishments in that city, moving to Haverstraw, N. Y., about 1872. He was twice elected assemblyman for his district, and was one of the best-known citizens of Rockland County. He is survived by a widow, three daughters and three sons, William V., John P. and Ambrose. The funeral was held Friday, April 10.

For the purpose of encouraging the cultivation and the study of orchids and the formation of orchid collections a com-

mittee of the Horticultural Society of New York has been established with a view to forming an orchid section. This action is the outcome of the recent gathering of a few orchid enthusiasts in New York, as it was the unanimous feeling of those who took the initiative that the times were not propitious for the forming of an independent society.

St. Louis.

News Notes.

Among the retailers there is much activity at present, as a great many church decorations are on for this week and advance orders are being placed for Easter. George Waldbart's store on Grand avenue is loaded down with everything in season. Mrs. Ayers' place is also a mass of blooming plants.

Indications point to an active Easter trade in all branches. The cut flower stock promises to be fairly abundant in carnations and roses, and in bulbous stock there will be enough for all.

At a meeting of the trustees of the Missouri Botanical Garden and the directors of the Henry Shaw estate it was voted to establish the finest herbarium in the world, to cost \$500,000. The first step in the project took place last Friday, when an addition to the old Shaw mansion was started, to cost \$50,000.

Frank Fillmore has a fine lot of candidum lilies in bloom for Easter; also a large cut of fancy carnations and a fine stock of blooming plants.

The St. Clair Floral Company, Belleville, through its president, A. S. Halsted, reports that they will soon begin to build a few more houses and a large show house to be used as a salesroom. They will have in all, when the new addition is completed, 50,000 feet of glass.

Club Meeting.

The St. Louis Florists' Club held its regular meeting, Thursday afternoon, April 10, in its new meeting room, corner Eleventh and Loest streets, third floor, which is a large room and more centrally located than the old one, with plenty of space for exhibits of cut blooms. Fourteen members responded to the secretary's call, after which President W. C. Young opened the meeting. The members voted to hold the annual picnic in July, and the trustees were instructed, if possible, to have a boat excursion this year and bring in a report at the next meeting.

Quite a few discussions came up from the question box. The most interesting was on Easter stock. The growers present stated that everything was in good shape. Longiflorum lilies were about 30 per cent. diseased, but they thought there would be plenty for all. Other bulbous stock, they said, would be in some cases too far advanced, should this week be clear and warm. Before closing President Young remarked that he hoped those present would attend the May meeting and bring others with them; this gathering will take place May 11 in the new hall. ST. PATRICK.

CARNATIONS

Table listing carnation varieties and prices. Includes 'Routed Cuttings: Fine Healthy Stock READY NOW' and lists varieties like Windsor, White Enchantress, Helen M. Gould and Beacon, etc.

CHRYSANTHEMUMS

A. J. Halfon, Autumn Glory, Ada Spaulding, Col. de Appleton, Crema, Collingfordii, Dr. Engelder, Dorothy Deveny, Geo. Kall, Glory Pacific, Harry May, H. W. Kelman, Ivory, Jennie Nonin, J. E. Lager, J. H. Troy, Mrs. H. Roblason, Maud Dean, Meta, Mrs. Jerome Jones, Miss Minnie Wannamaker, Miss Alice Byron, Mrs. Baer, Mrs. S. T. Murdock, Miss M. M. Johnson, Major Bonnamon, Mad. Fred. Bergeman, Nagoya, Niveus, Opah, Polly Rose, Pink Ivory, Robt. Hilday, Solette D'October, Thos. H. Brown, Timothy Eaton, Vivian Morel, W. H. Lincoln, White Bonnamon, Mrs. Robt. McArthur, Wm. Duckham, Xenia, Yanoma, Monrovia, V. A. Cabbold. Price from 3 1/2 inch pots, \$3.00 per 100; \$25.00 per 1000. Routed Cuttings, \$1.50 per 100.

ASPARAGUS

Table listing asparagus varieties and prices. Includes Sprenger, Plumosa Nanus, and Plumosa Nanus.

VERBENAS

Table listing verbena varieties and prices. Includes Best Mammoth.

CANNAS

Strong Dormant Roots in 30 varieties, \$2.00 and \$3.00 per 100; \$18.00 and \$25.00 per 1000.

GRAFTED ROSES FINE STOCK

Killarney, Carnot, Kaiserin Augusta Victoria, Uncle John, from 2 1/2 in. pots, \$2.00 per dozen, \$15.00 per 100; from 3 in. pots, \$3.00 per dozen; \$18.00 per 100. The Bride, Bridesmaid, Golden Gate, Richmond, from 2 1/2 in. pots, \$2.00 per dozen; \$12.00 per 100; from 3 in. pots, \$2.50 per dozen; \$15.00 per 100.

OWN ROOTS

Killarney, 2 1/2 in. pots, \$1.00 per dozen; \$5.00 per 100. Richmond, Uncle John, Sunrise, Sunset, Kaiserin, Pres. Carnot, from 2 1/2 in. pots, \$5.00 per 100. Bride, Bridesmaid, Golden Gate, from 2 1/2 in. pots, \$4.00 per 100.

MISCELLANEOUS

Table listing miscellaneous plants and prices. Includes Ageratum, Cope's Pet, White Cup, P. Pauline, S. Gurney, L. Bonnett, Achyranthus, Ampelopsis Veitchii, etc.

WOOD BROTHERS, Fishkill, N. Y.

CYCLAMEN

Splendens Giganteum Hybrids. Finest strain in the world, perfect flowers of Giant type in five true colors, twice transplanted from flats, \$3.00 per 100, \$25.00 per 1000; plants from 2 1/2 in. pots, \$5.00 per 100, \$45.00 per 1000.

CANNAS

Alphonse Boovier, Florenee Vaughan, Chas. Henderson, Chicago, Papa, Egan-dale, J. D. Cabos, Queen Charlotte from 3 in. pots, \$4.50 per 100, \$40.00 per 1000.

GERANIUMS

S. A. Nutt, John Doyle, Castellane, Beaute Poltevine, E. G. Hill, Mme. Lindrey, Mme. Jaulin, La Favorite, etc., first-class grown stock in bud and bloom, from 4 in. pots, \$6.00 per 100.

SATISFACTION GUARANTEED PAUL MADER, East Stroudsburg, Pa.

MOON VINES

2 1-2 in. pots, \$5.00 per 100

Godfrey Aschmann

Importer, Wholesale Grower and Shipper of Pot Plants

1012 Ontario Street, Philadelphia, Pa.

EASTER PLANTS

Table listing Easter plants and prices. Includes SPUREA Floribunda, Lilacs, Azaleas, Geraniums, and Asparagus.

B. F. BARR & CO. KEYSTONE NURSERIES, Lancaster, Pa.

FRINGED Double Petunias

Fine plants, in bud and bloom, 4 in., \$5.00 per 100.

Table listing petunia varieties and prices. Includes SINGLE PETUNIAS, VINCA variegated, GAZANIA Splendens, ASPARAGUS, SALVIA, GERANIUMS, MOON VINE, DRACAENA Indivisa, SINGLE HOLLYHOCKS, DAHLIAS.

Cash with order, please GEO. J. HUGHES, Berlin, N. J.

BULBS AND AZALEAS

In the best of shape for Easter. Order now; will ship when you want them. AZALEAS, 5inc., 75c., \$1.00 each. TULIPS, all first size bulbs, in the best condition. La Reine, white shaded with rose; Artus, deep scarlet, very fine; Yellow Prince, yellow; Cottage Maid, pink striped with white, at 3c. a flower. Kaiserkroon, red and golden, bordered extra large, at 4c. The tulips run from 4 to 8 in. a pot.

HYACINTHUS, rose, white, blue, pink and purple, first size, 12c. each; second size, 10c. each. Von Sion, 3c. per flower.

All of the above bulbs were potted in the Fall and not boxed.

S.A. PINKSTONE, 20-22 Philip St., UTICA, N. Y.

PANSIES

Brown's Extra Select Prize PANSIES, large, transplanted, field-grown plants, in bud, \$1.50 per 100; \$12.00 per 1000. Cash with order.

PETER BROWN, 124 Ruby Street, Lancaster, Pa.

FOUNDED IN 1888



Weekly Medium of Interchange for Florists, Nurserymen
Seedsmen and the Trade in General

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter.

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P. O. Box 1697, NEW YORK. Telephone 3765-6 Beekman.

CHICAGO OFFICE: 4543 Cottage Grove Avenue.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Price on application.

YEARLY SUBSCRIPTIONS.

United States and Mexico, \$1.00. Canada, \$2.00. Foreign countries in postal union, \$2.50. Payable in advance. Remit by express Money Order, Draft on New York, Post Office Money Order or Registered Letter.

The address label indicates the date when subscription expires and is our only receipt therefor.

REGISTERED CABLE ADDRESS:

Flores, New York.

ADVERTISING RATES.

One-half inch, 75c.; ¾-inch, \$1.00; 1-inch, \$1.25; special positions extra. Send for Rate Card showing discount of 10c., 15c., 25c., or 35c., per inch on continuous advertising. For rates on Wants, etc., see column for Classified Advertisements.

THE NATIONAL FLOWER SHOW, under the auspices of the S. A. F. O. H., will be held at Chicago, November 6 to 15, 1908. William F. Kasting, Buffalo, N. Y., is chairman of the show committee.

PUBLICATIONS RECEIVED.

EVERGREENS, THEIR USES AND CULTURE is the title of Bulletin 190 of the Ohio Agricultural Experiment Station, prepared by W. J. Green and W. Emerson Bontrager. The bulletin is illustrated, and the following is the summary of the authors:

Because of their enduring foliage, evergreens should be more extensively planted about country homes, whether used in straight-row windbreaks or mingled informally with other trees on the lawn. From the ornamental standpoint, they abound in rich, dark shades of green, equally valuable as a background for deciduous trees or flowering shrubs and plants.

The finest of the larger ornamental evergreens are the white pine, Colorado blue spruce, white or silver fir, oriental spruce and American hemlock. Of the smaller ones none is better than Siberian, Hovey's Golden, pyramidal or globe Arbor vitae, thread-branched Japao cypress, graceful obtuse-leaved Japan cypress and plume-like Japan cypress.

The best evergreens bearing foliage in shades of yellow are George Peabody Arbor vitae, golden pea-fruited Japan cypress and golden plume-like Japan cypress.

In making an evergreen hedge use American hemlock or Siberian Arbor vitae.

For specimens to be shorn into fanciful shapes, use common red cedar, blue-tinted cedar or any Arbor vitae.

As a protection to farm buildings, the barn-yard, or poultry run, a good windbreak will repay its cost in a few years in the saving of fuel or feed. The length of time consumed in its growth need not deter anyone from making a windbreak, as results may be secured in half a dozen years by planting thickly, subsequent thinning to be practiced. For the construction of windbreaks and shelter belts the white pine, Norway spruce, Austrian and Scotch pines and American Arbor vitae have no superior. These kinds all grow rapidly and are not lacking in vigor or adaptability to thin soils, exposed situations and other adverse conditions.

It is hoped that no reader will so misconstrue any part of this publication as to plant evergreens exclusively about the home. Deciduous trees occupy a place in any scheme for beautifying lawns which conifers alone do not and cannot fill. When surrounded and completely enveloped in a dense growth of evergreens, a state of planting somewhat prevalent a few decades ago and of which examples are even now occasionally seen, a residence becomes dark, gloomy, damp and dangerous to health.

THE USE OF HYDROCYANIC ACID GAS FOR FUMIGATING GREENHOUSES AND COLD FRAMES.—The United States Department of Agriculture, Bureau of Entomology, has just issued a revised edition of Circular No. 37, prepared by Professor Albert P. Woods, dealing with this subject.

Advertising.

In this week's number considerable space is devoted to the very important subject of advertising, that imperative factor in the conduct of the business of every progressive merchant to-day. The matter is discussed by Robert Pyle, president of the Conard & Jones Company, West Grove, Pa., who delivered a paper on the subject before the Philadelphia Florists' Club at its meeting last week. Mr. Pyle's remarks, which apply particularly to the side of the question as affecting the advertising of a mail order house, are also full of "meat" for the general trade advertiser. His comments have been supplemented by some views of our Mr. De La Mare on the subject from the standpoint of the publisher of a horticultural trade paper.

We are very pleased, indeed, that the Philadelphia Florists' Club has presented an opportunity for the exploitation of the advertising proposition. It is one that does not, we think, receive the attention demanded by its importance from our respective organizations, both national and local; and a discussion of it, viewed from every standpoint, is just as essential to the welfare of the business as the other trade problems dealt with by our societies and clubs, some of which have reached the point of threadbare treatment.

and fair test. Bear in mind that cheapness of rate and fanfare in any periodical, while they may attract, are never the factors that make for the stability or satisfaction of its business bringing qualities.

Hydrangea Arborescens "Grandiflora"

While the subject of this hydrangea was under discussion we submitted to Dr. N. L. Britton, Director of the New York Botanical Garden, several documents and illustrations bearing on the question, with a view to obtaining his opinion of the matter. The subjoined letter has been received from Mr. George V. Nash, head gardener at the Garden, which we feel sure will be read with interest.

Editor Florists' Exchange:

Your letter of February 28 came during the absence of Dr. Britton, and has been handed to me for attention. I have not been able to take the matter up before this, as the rush of Spring work has kept me exceedingly busy out of doors.

In reply to your main question, I would say that we do not seem to have in our herbarium a single specimen exactly matching the *Hydrangea arborescens grandiflora* Rehder. This form, as I understand it from the descriptions and from the picture you send, is the normal plant with the flowers all sterile, and with the leaf-blades cordate. As you know, this matter of sterile flowers in the genus *Hydrangea* is a very uncertain character, varying in different specimens of the same species, and even in different flower clusters on the same plant. Botanically it is of little use, for I find specimens in the herbarium here varying from flower clusters with all fertile flowers to others in which there is quite a showing of sterile ones. One specimen collected in Georgia by our Mr. Wilson very closely approaches the form described by Mr. Rehder, in having broad cordate leaves and the inflorescence with a considerable number of sterile flowers measuring about 2 cm. in diameter.

The two forms of *Hydrangea arborescens* referred to by Professor Sargent are well represented in our herbarium, but the leaf shape varies considerably even on the same specimen, and I doubt if the shape of the leaves alone is a character of any value from a botanical standpoint. From the horticulturist's point of view, however, a form of this plant with broad cordate leaves and with large clusters of sterile flowers, and with a flowering period said to extend from June to August, would be a desirable acquisition.

The variety *sterilis* of Torrey and Gray, judging from Mr. Rehder's remarks, is the narrow-leaved form of this species with small sterile flowers. Botanically, I think this name would have to include also the forma *grandiflora* of Rehder, for the shape of the leaves and the number of sterile flowers in an inflorescence are far too unstable to make use of. Horticulturally, however, I think these forms are well differentiated, and I cannot find that there is an older name for the form with broad cordate leaves and large sterile flowers, so that Mr. Rehder's name is the one we should use in our horticultural writings.

Geo. V. Nash.

New York Botanical Garden, April 8, 1908.

Major Wm. P. Stead.

We have pleasure in presenting herewith an excellent portrait of Major Wm. P. Stead, florist and seedsman, 277 Broadway, Ozon Park, L. I.

When the Civil War broke out Major Stead was a drummer in the band of the Eighth N. Y. I. M. He then enlisted in the Fifty-first New York Volunteers for three years, or during the War. He was captured at Anderson Gap, Ga., October 8, 1863, and taken to Libby Prison, Richmond, Va., being one of the officers who escaped from that prison through the tunnel on February 9, 1864. He was also an officer in the Seventeenth U. S. R. from 1868 until 1882. In the latter part of the war the Major was employed as a spy or scout, and was known as the "singing scout" and "scout of the Wilderness." He was then under General U. S. Grant and General A. Burnside, attached to the Seventy-first New York Volunteers.

The Major was twenty-four years old when he went to the war, and is now seventy-three. He was married twice and has two daughters living by his first wife. He is now engaged in the more peaceful occupation of florist and seedsman, and still enjoys good health.

Society of American Florists and Ornamental Horticulturists.

Notice of Change of Registered Name of Rose.

The Waban Rose Conservatories of Natick, Mass., make application to have the name of their rose previously registered as White Killarney changed to Mavourneen. Public notice is hereby given of this application and any persons objecting to this proposed change of name or knowing of any reasons why the name should not be changed as above, are requested to forward a statement of their objections to the undersigned at once.

No objection being received within twenty days of this date, a change in registry will be made.

W. N. Rupp, Secretary.



Major William P. Stead

The demands made upon the craftsman these days, so far as advertising is concerned, are such as to tax not only his temper but his greatest ingenuity, and to call forth the exercise of much wisdom, so that he may plan profitably to himself. The pulling powers of any advertising medium are, of course, gauged by the results obtained; but under the haphazard system adopted by the large majority of trade advertisers, these results cannot be wholly and definitely determined. Too much is left to the purchaser, and not enough is done by the advertiser himself, to ascertain just whether he is losing or making money by advertising in any particular medium. We, therefore, recommend the suggestion of Mr. Pyle for the best consideration of all concerned—*key your advertisements*. This is a simple matter, and it will enable you to trace from what source your orders really come. Unless this is done systematically there is a chance that you are merely throwing away your money, for the busy buyer will more often than not fail to help you out of the difficulty by omitting altogether to name the medium in which he saw the advertisement; or, as has sometimes happened, giving the title of another medium in which your offerings never appeared.

Finally, devote as much care and attention to your advertising as you do to the other details of your business. These given, you are not as likely to lose money through this means of soliciting trade as you are when indiscriminate placing of your ads. is practiced. Results alone pay, and these can only be known after actual

Obituary

Ferdinand Bendt.

Ferdinand Bendt, a well-known florist of Newark, N. J., died in that city Saturday morning, April 11, of typhoid fever. He was 58 years old, and was born in Germany, coming to this country thirty years ago. A wife and a daughter, both of whom were also ill with typhoid, likewise succumbed to the fever, brought on, it is said, from eating infected oysters. A little daughter, eight years old, is the only one of the family left. She did not partake of the food that is alleged to have caused the death of the others.

Franklin Pierce Davis.

Colonel Franklin Pierce Davis, one of the most prominent men in Mobile, Ala., and widely known all over the State, died suddenly at his home in Summerville, a suburb, on the afternoon of Monday, April 6, death being due to indigestion. His sudden end followed only two weeks after that of his brother, J. Bradford Davis.

He was born in Mobile and for many years was manager of the Mobile Compress Company, later moving to Summerville where he engaged extensively in the florist business. He was an expert grower of the chrysanthemum, and contributed numerous articles on this subject to the technical press. He was also interested in the work of the Society of Southern Florists, and was one of the essayists at its last meeting. He was also a member of the S. A. F. O. H., and was appointed by President Traudly vice-president for Alabama, for 1908.

Colonel Davis had been conspicuous in military circles, having organized the local Lomax Rifles and was the first captain of that corps. He was twice married, and is survived by his second wife and seven children.

Funeral services were held at the late residence on April 7, the body being interred in Magnolia Cemetery with military honors.

Harris H. Hayden.

The death of Harris H. Hayden at Philadelphia, Pa., on March 29 came as a great shock even to those who were in closest touch with him. Mr. Hayden had been ill for some weeks, but not until the Friday before his death did he yield to the persuasion of his friends and go to the hospital where he died.

At the time of his death Mr. Hayden was the vice-president of the National Florists' Board of Trade, New York, a position he assumed at his own request only a few weeks previous, having been for nearly five years its president. Though during the three years preceding his death he had had little to do with its active management, yet he always took a lively interest in its affairs and freely gave the benefit of his ripe experience and well-trained judgment to such problems as were referred to him for solution. Few would have guessed that he was in his sixty-fourth year; so young did he always seem. His enthusiasm was always boundless. He regarded obstacles only as stepping-stones toward achievement; and when the clouds of disappointment and failure were blackest, he always saw the rainbow beyond them.

Early left a widower without children, he devoted his time and energy to religious work in New York City and Y. M. C. A. work throughout the State. He was a musician of no mean attainments and as a trainer of children in music he had few equals. He was, however, above all things else, a business man of the best type, keen, exact, conscientious, always trusted and honored. The world is a better place because he lived in it and is poorer now that he has left it.

OUR READERS' VIEWS

Uncle John Comforts Job.

Editor Florists' Exchange:

It is such a long time since I have had a chance to appear in the limelight that I must come to the aid of my very patient and long suffering friend, Job. I hope he won't die yet.

In the matter of the parentage of the carnation Mrs. Lawson, I didn't think I was in any way as much responsible as I am. Ansel T. Simmons sent out Tidal Wave and Daybreak carnations, and if it had not been for me the chances are there would have been either of Mrs. Lawson's parents (Van Leeuwen, whether mother or father, as presented, never ought to appear in the legitimate parentage). Maybe soon it will be necessary to have records of births. Anyhow, Mr. Editor, tell Job to keep before him the motto Nil desperandum.

It seems to me John Birnie is shy. John Young is not, because when I saw him last week at the rose show here he greeted me with, "How is your fat friend?" I

thought he meant Traudly; instead he meant Ed. Lonsdale, whom I have not seen for years. Still the same good spirit of friendship prevails, fat or lean, old or young. As Ever, Your Uncle JOHN THORPE, Chicago.

Carnation Van Leeuwen.

Editor Florists' Exchange

I observe that Robert Craig says carnation Van Leeuwen is "Tidal Wave re-named." Underrated I give you the true story of the Van Leeuwen carnation:

In 1887 I ordered a collection of bedding plants from Geneva, N. Y., with which to start a small business in Garfield, N. J. Among this collection I found twelve Tidal Wave and twelve Silver Spray carnations. These two carnations are the parents of the Van Leeuwen.

In regard to the Mrs. Thomas W. Lawson carnation, I had a variety similar to this one long before the Lawson was sold for "\$30,000." Mine was a sport from Van Leeuwen, and for that reason I never believed the Lawson a hybrid, but a sport, and it seems to be a variety very much given to "sporting"; I even had a striped one. I am of opinion that all the Lawson sports have come from Van Leeuwen.

Van Leeuwen was the only carnation in its day that had stems from 18 to 20 inches in length; the stems of Tidal Wave were only from six to eight inches long.

Montague say "No man is fit to be making foolish things, but the worst of it is, when a man studies to play the fool."

That description of your correspondent's handshake with the President of the United States, is, to me, shrouded in mystery. I hope Birnie was clothed and in his right mind when he made that visit to the White House?

Too bad that that "Eastern representative of a Western paper," should cast the indignity of being a book canvasser on Birnie. I am too lazy to do his own soliciting? I hope John is now canvassing for a periodical "untrammelled by individual prejudices," etc., or for one that "appeals only to the intelligent and intellectual" members of the craft. But why should I doubt the latter deduction, seeing Birnie's charitable work is to be carried on in Hoboken!

I observe Robert Craig takes exception to my remarks on the parentage of carnation Mrs. Thomas W. Lawson, and states that "Van Leeuwen was simply Tidal Wave re-named, which fact was known to many growers." I never have seen or heard that statement put forth previously by any one. Nor has the originator of Mrs. Lawson, as far as my knowledge goes, ever questioned the announcement, made several times in public print, that Lawson was the result of a cross between Daybreak and Van Leeuwen, he, evidently, being willing to accept this



Queen Wilhelmina and Prince Henry of Holland at Nurseries of J. Blaauw & Co., Boskoop, March 29, 1908. The Queen is accompanied by J. H. Van Nes and the Prince by J. Blaauw.

The price paid for Van Leeuwen went as high as \$7.75 per 100. This statement will be corroborated by John Young and J. K. Allen, commission merchants of New York City.

I intend to build a greenhouse, and will try again to produce a Van Leeuwen carnation, No. 2. Woonsocket, R. I. A. VAN LEEUWEN, SR.

Reflections on Current Topics.

MR. EDITOR.—By your issue of April 11—and here let me compliment you on its fine, healthy appearance—I notice that I am "getting it" from all sides. Three flagellations in one number! And yet my good friend, John Birnie, accuses me of being a "back number," and wantonly asserts that my "trenchant pen has lost its point," besides making other unkind remarks about my last effusion. Now, Sir, I am patting myself on the back that Birnie should have felt the sharpness of that pen point so keenly as to come out of his Jersey retreat and furnish your readers that interesting account of his Washington trip and of other matters.

I agree with Brother Birnie that "muckrake" speeches and "doggerel" verses are out of place at such enjoyable, fraternal affairs as club banquets. I read a brief account of the famous speech, delivered, it was said, in the orator's "usual eloquent and graceful manner." The Chesterfieldian speechifier, I observe, "urged the need for a 'press' devoted to the welfare of all departments, untrammelled by individual prejudices or business interests, and quoted from some verses read by him five years ago." These statements were, to me, quite "educational." First, they demonstrated that it was possible for a disgruntled individual to mitigate the factor that furnishes him a means of livelihood. Secondly, it is clear that the fountain of "doggerel" verse is now dry, thank goodness; and that repetition of the "disgusting" effusions must be resorted to. However, I firmly believe the "press" and those responsible for its conduct will, with regard to the criticism, "just look where it comes from," as the Irishman said when the jackass kicked him. As

latter name which Mr. Craig now calls a synonym of Tidal Wave.

I have departed from my usual practice and, like that other controversialist, W. N. Craig, have looked up the "authorities" in this instance. I find that Dr. L. L. Lamborn, the venerable author of "Carnation Culture," comments on the variety "Van Leeuwen" as follows:

"This is a seedling of Tidal Wave and has the same color, but is altogether different in its habit. The flowers are larger, the central petals are long, erect, giving the flower a conical contour; the flowers I received were three inches in diameter by measurement. In its habit of growth it would be grouped with Daybreak, but the canes are somewhat stiffer and more erect. It has the marks of being as inflorescent as its parent." This was written in 1884.

I cannot discover that the Doctor's "diagnosis" has ever been challenged, and should like to be referred to authoritative statements other than Mr. Craig's, substantiating the latter's contention. This seems like a case of the application of the significant query, "Who shall decide when doctors disagree?" However, it is worth while to ascertain the correct parentage of a carnation which has been the progenitor of some of the best kinds ever put on the American market. Perhaps Peter Fisher can solve the problem for us.

In regard to Mr. Bonnyman's criticism, I would just remark that I "quoted correctly" the paragraph with which he finds fault. It was not my own (probably too good to be that); and I always believe in giving credit where it belongs—something uncommon these days with "bemasked, skulking" and other "scribblers"; especially those who write "cultural directions" for the trade papers. I am, however, quite willing to accept Mr. Bonnyman's confident assertion that "David was dead probably 300 years before the Prophet who foretold the overthrow of Assyria was born." Nahum must have been a about contemporary with myself; and it is therefore strange that I should have overlooked the fact that David lived before our day. Another instance of "cultural and mental decrepitude" leading into misconception or error, patriarchs like John Birnie and Job.

Advertising.

Read by Robert Pyle, President of the Conard & Jones Company, West Grove, Pa., before the Philadelphia Florists' Club, Tuesday, April 7, 1908.

Philadelphia is the home of one of the largest if not the largest advertising agency in the world. Some twenty-five years ago one of the leading men of that firm and easily one of the most prominent advertising men in the country to-day, used to say after laying out an advertising campaign with one of their clients: "Well, now, as to results, you know and I know that neither one of us knows anything about it." But in spite of the chances they found they were taking as to the outcome Mr. McKinney and the man with whom he was working continued year after year to turn over to the printer and publisher in hard, cold cash approximately three times the amount of the net profits of the preceding year of that particular firm, and gradually and steadily built up a business reputation and confidence in the name of that firm which is now known in every flower growing country on earth. It is the printing press and the post office that has made such conquests possible.

What Advertising Is.

For our purpose to-night advertising may be said to be "applied salesmanship" with the possibility of sales multiplied to the "Nth" power, but the printed sheet is by no means the only medium. Heinz with his 57 varieties built a big pier at Atlantic City and I have no doubt as an advertising move it pays him well. P. T. Barnum during the height of his fame as a circus manager, upon coming to one of the largest cities, is said to have rented a small plot of ground adjoining the tracks of a leading railroad which carried thousands of passengers every day to and from the city. He set an elephant to work ploughing that field with a man from Ceylon as a driver. You can readily imagine the interest that such a spectacle would create. People talk about and papers print the novel thing which interests them, and the amount of free publicity that Mr. Barnum obtained would be difficult to estimate.

Looking at it broadly, advertising is publicity—telling other people something about which you want them to know, influencing them to think of you and to desire the thing you have to sell, whether it be pickles or seats at the circus, professional services or Easter lilies. But, to-night, of course, we are most interested in floricultural and horticultural advertising.

Horticultural Advertising.

Flowers, trees, seeds, and bulbs are the things we have to sell and right here comes a distinction; at least I would like to make the following perhaps arbitrary distinction for the more convenient handling of my subject. Some of us are growers, some are commission men, and some cater to the general public, and naturally we have a different selling proposition in each case. To the former the trade papers are the media of vital interest (more about them later). The rest of us, including, we'll say, the seedsmen, nurserymen and general catalogue men, have learned that we must depend upon advertising for our bread and butter.

Because of the very nature of the case the advertising carried on by these men is perhaps as broad and general as that done by any class of men in the plant business. Perhaps, therefore, it would be worth our while to go into the office of one of these firms and watch them laying plans for next season's campaign.

Planning a Season's Campaign.

The conditions which the advertising man has to face are these: As buyers he has all sorts and conditions of men and women; they are located all over the country—the product which he has to sell includes all kinds of plants, trees, etc., used to beautify the surroundings of the average American home. (Please note here the use of the word "average," cutting out that class of homes which look to the landscape architect for their advice. The average American, we believe, depends upon the florist's catalogue as a rule, and, in the main, upon the magazines which he gets treating of this subject to give him the information necessary for the decorating of his grounds.)

Making the Catalogue.

The first and indispensable thing for a salesman to consider is his catalogue, or primarily a list of the things he has for sale with the prices thereof. But the successful catalogue man knows that bare lists and prices themselves will bring very little business; therefore, he devotes time and earnest effort and spares no expense to arrange, amplify, and beautify his catalogue. He will take care to have the plants properly classified, to have them carefully and accurately described, and also to include if possible directions for their culture, until it becomes a veritable encyclopedia of the things listed. He also engages the services of the best artists, will have his own photographic department, or go where he can to get illustrations that will speak louder than words

and make his catalogue vie with the modern magazine in rare attractiveness.

In making up a catalogue we think it is always well to bear in mind the attitude of the men or the women who will read it. Amateurs as a rule want to know and are glad to be shown; of course, there are some women who will read a catalogue from cover to cover no matter how long the descriptions; but the general tendency, and a good one, is to cut down these long descriptions and to insert in a clear, readable, well-arranged manner only such things as would stand the test of actual usefulness and give an accurate picture to the prospective purchaser of the thing he is asked to buy. There are many other details that might be treated of, for which there is not room here, as regards the size of the catalogue page, the number and kind of illustrations, special offers, bargains, etc.

English vs. American Catalogues.

Before leaving the subject we would like to call attention to the fact that the English florist of to-day is ahead of his American brother, as evidenced by the splendid specimens of catalogue-making which they furnish patrons, not only as regards fine paper, beautiful illustrations, but the comprehensive textbook-like treatment of the subjects listed make them really delightfully entertaining in every way; and if the high prices which



Robert Pyle

they seem able to get is any criterion, we believe they must be good pieces of advertising.

We have here a sample of one of the English catalogues, nearly 400 pages, heavy plate paper, exquisitely executed color work, weight 2½ pounds in the mails. They must have cost more than \$1 apiece.

The catalogues issued in our country average in price from one cent to 35 cents each in the mail bag. There are a great many houses publishing about one hundred thousand books; very few approach the million per year edition. The number needed depends, of course, upon the number of regular customers (as we call those who order intermittently year after year), plus the number of new names that may be obtained in one way or another, so that right here comes the next point for the advertising man to consider in laying out his campaign—*how many new names will he get?*

The answer which almost immediately follows is, *How much money have you got to spend?* This question is more easily answered when some plan of operation has been arrived at. How shall we go about it to get new customers—a problem more fascinating than a game of chess, most uncertain as regards the outcome, but often bringing rich rewards.

Reaching the Public.

How shall we reach the general public? To a man with a small place doing a local business that problem would be a comparatively simple one. He would probably put up a sign, make his place look as attractive as possible, using the local papers and sending out to his list of customers attractive bits of advertising literature at proper intervals. Of course, this is but a mere outline of what he might do. But our general catalogue man is catering to a very scattered public with wonder-

fully diversified interests. Living under multifarious conditions of climate and environment he must catch their eye and gain their attention long enough to impress them.

The Media to Use.

One of the first things to consider, therefore, is what media shall be used; and the second thing is *what kind of a proposition* will be circulated through these media. It is very much like sowing seed. Good seed in poor ground is not much better than poor seed in good ground; both must be good to form a successful combination. Let us, therefore, first consider the soil, or the media.

Judging from the way he spends his advertising appropriation the average seed and plant advertiser has in the past plainly found it most profitable to use the magazines and some other periodicals, giving little attention to either bill-board, street car or other such forms of advertising. First in the list are the papers which hold for him somewhat the same place as the trade papers do for the wholesaler and the commission man. I refer to the garden magazines with which you are all familiar. The Garden Magazine, Suburban Life and Floral Life are all good; Country Life in America is an unique proposition. Next after this class we would name the women's publications, McCall's Magazine for example, Good Housekeeping, and many others in a like class which seem to appeal as particularly helpful to the women who "do things." Of course, there is a long list, important among which are the farm publications, with the Farm Journal a good leader; some which will "win out" on certain propositions and "fall down" on others, and this leads us to another very important matter, that of

Tracing Results from Advertising.

We understand that Burpee depends upon a certain proportion of the people answering his advertisements stating in what periodical they saw the advertisement, and in that way learns which ones pay best.

Where possible we believe it pays to key every advertisement and check the returns. We have here a schedule showing the number of orders received and the cost per order and cost per reply to a certain list of papers from a certain proposition for a certain period of years, and you can readily understand how helpful is this schedule in selecting media for future advertising.

Space.

The next question perhaps will be, *How much space shall we use?* Does it pay to use a large space in a few media or a small space in a great many? Will it pay better to spend \$4,000 on putting an advertisement on the back cover of the Ladies' Home Journal, for example, or to use the same amount of money in buying full-page space in four of the leading monthly magazines? Of course, these are extreme cases, but the same principle applies, and it is no easy matter to decide questions of this kind. We believe it pays to take sufficient space to very certainly catch the attention of the woman who is not likely to be interested, and to take that space in the magazines of good standing and large known circulation, and which you know reach the class of people for whom you are making a bid.

Copy.

The question of copy is perhaps the most fascinating of all. We know of no easier way to waste money than to buy space and to fill it but poorly. The first question to consider may be, *Will you advertise directly for orders or advertise for names?* Or, in other words, get people to send for your catalogue which can be depended upon to make the sales. Look through the advertising pages of any current magazine and we will find samples of every type. Templin, for example, offers a beautiful lace fern, free, tacking on the provision that four cents must be sent to pay cost of packing and postage; that four cents is a good foil to keep off mere curiosity seekers. It appeals to the people who want much for little; but the advertisement is well handled and also ought to appeal to the very best names. An advertisement of this kind will undoubtedly get circulation for the catalogue.

Another type you are sure to note is that of making a definite offer of a collection or a novelty. There is some risk as to whether or not such offers will pull, and this is the test for the man who writes the advertisement. Personally we have tried the free offer plan, and have secured thousands of names that have cost not more than a penny apiece. We have tried the second plan above referred to and have got some orders to cost us not less than \$4 apiece; but after we had counted up the cost of the catalogues sent on each particular proposition, had considered the returns from all the sales made, there was very little difference in the net result. Countless examples of this kind might be related, but all go to show that it is as important to consider the quality of the names thus secured as it is the cost to get them. Cyrus Curtis, head of the Ladies' Home Journal Company, once said that if he got back one-quarter of what he put into his advertisements he considered it was paying him very well indeed, and it took six figures to show the amount he was then expending each year.

Display in Advertising.

There are a few things that may be worth mentioning in connection with display in advertising. Some artists, or some advertisers, seem to have the knack of getting up an advertisement that will stand out strongly on the page. Some years back white on black advertisements were very much in evidence and still are distinctive when well done. You will remember the excellent advertising done by the greenhouse construction companies in the trade papers. What splendid taste is displayed—an attractive illustration, strong borders, white space and well selected and well arranged type, and best of all, good straight from the shoulder talk.

There is a characteristic style in the clean appearance of Burpee's advertising, from which for the most part illustrations are eliminated, except in the way of their trade mark or their green label.

When the "Uneda Biscuit" was coined for the National Biscuit Company, there was also adopted a particular style of letter, and from that day to this, whether on bill-board, box, or magazine, we think we are right in saying that that particular style of lettering has always been retained.

The Value of Repetition.

Advertisers have learned the value of repetition. "Water dropping day by day wears the hardest rock away." Repeated taps of the hammer will finally break the stone. There is a little "ad." that appears in the trade papers most pleasingly distinctive, and I daresay there is hardly a man in this room who is not perfectly familiar with the little label pictured in the firm name of the Leedle Floral Company. It is impossible for one to think of the advertisement of that firm without picturing in his mind the form of that little signature, which shines out boldly on the most crowded page.

A good trade mark can be hammered into the consciousness of the people you are trying to reach. With it, if it be strong enough, you can count upon gaining the attention of every passer-by every time he comes along, and very much oftener, and very much more surely, than if your "ad." was dressed up in the common garb of ordinary type.

Testimonials.

Testimonials, it seems to us, are worthy of mention, as being strong arguments in advertising. They are recovering from the violence done them by the patent medicine man. In the first place they come from disinterested, at least unprejudiced, persons, and in connection with catalogue work especially, if not with advertisements, they add conviction as to the pulling power of the thing advertised.

Free Reading Notices.

Many of you probably remember how at a large reception given to President Roosevelt in course of the naval review in New York harbor there was a certain flower that figured conspicuously in the decorations. Just how much John Lewis Childs is responsible for the *Gladiolus America* being used for the President's reception we know not, but it is very certain that the amount of free publicity gained through the press, as the result of this *gladiolus* being used, would have cost Mr. Childs many thousands of dollars if paid for at regular advertising rates.

Any one who has been reading the trade papers for the past few months has surely had impressed upon his mind the fact that there was a new *hydrangea* on the market. Because of the discussion over a name that *hydrangea* has been advertised so widely that it is almost as famous as the old *H. paniculata grandiflora*, yet our genial friend from Indiana, the famous introducer, we suppose, has not been charged a cent.

How to Succeed.

Some people are trying to believe that they are reducing the profession of advertising to a science. They claim certain conditions produce certain results, just as life insurance men have their mortality tables. The most successful advertisers, or the man entrusted with the expenditure of the largest sums of money, still advise, and wisely practice what they preach, as follows:

"Try out every scheme (no matter how promising it may appear on its face) thoroughly on a small scale. First tabulate results carefully; watch results and your correspondence, then shape your course accordingly."

Just one more thought I wish to leave with you. When you advertise, be ready to "deliver the goods." Do not disappoint, or your advertising campaign might just as well not have been.

Good stock at right prices, with prompt, courteous attention to customers, will win trade and create a confidence that will be hard to shake.

Again we repeat *hold your customers by good service*, because, after all, a satisfied customer is your best advertisement.

With the expenditure of a few thousand dollars it is possible to get a circulation that will bring your offer to the eyes of not less than ten million people, and it is a mighty good plan by which to cull from such an audience the names of those most likely to be interested in one's particular product.

At the conclusion of his paper Mr. Pyle mentioned

having asked the publishers of the various trade papers for their views regarding the class of advertising to which these papers are especially directed. He spoke in laudatory terms of the suggestions received from Mr. De La Mare of 'The Florists' Exchange, which, unfortunately, he had not brought with him, as he intended to read these as an addendum to his own paper. We give the views of Mr. De La Mare as follows:

A tremendously important topic on which countless papers have been written, and a fruitful subject for the speaker and the writer in the ages yet to come.

Restricting our remarks mainly to the viewpoint of a trade paper:

Publicity is the lever that moves goods. Publicity is most quickly obtained through advertising, and the trade paper is the tradesman's most natural medium through which this desired publicity is to be had. Advertising has no far-reaching success to the person who fails in the following essentials:

Well-grown stock.

Prices right.

Answering all correspondence promptly.

Exercising the closest personal supervision (or through a trustworthy deputy) on all goods shipped.

The most short-lived advertiser is he who endeavors to palm off poor stock; the long-lived advertiser is he who makes it as certain as can be that his first sale is to be a satisfactory deal. This is the process of reinsuring your advertisement. A reputation for honesty and fair dealing is the advertiser's biggest asset.

A clever advertiser may gull and deceive the general public through his misrepresentations for a long time for the reason that he uses as his media newspapers and magazines covering every class and condition of people, and that there are thousands and tens of thousands of these who, apparently, love nothing better than to be deceived—that is to say, they take delight in reading the spacious advertisement offering something for next door to nothing; and yet, when they are sending in their money they have an inward feeling that the thing is too good to be true. In a trade paper these conditions are the reverse. The advertiser is speaking to men who know, and there is naturally but a small proportion of the credulous in each trade; here he gets short-shrift, particularly in the florists' trade papers, the reason being that florists are a fairly traveled class and much inter-acquainted, and no representative trade paper will countenance fraud; it cannot afford to.

THE SEEDSMAN.—The most mature advertiser in our line is the seedsman—his main audience the public. Why this should be so: Force of education and environment and the larger field—the entire country and all the people in it. To obtain publicity the seedsman uses catalogues, all the way from one to five or six each year, traveling salesmen, circulars, the newspapers, the magazines; the trade papers in a broad sense he passes by. Shall we say that his education is incomplete for that reason; or, has he better methods of reaching the trade or doesn't want the trade? It all depends. There are two principal classes of seedsmen, the one class dealing with the trade and the public, the other selling to the public only. This latter class, therefore, have no concern in a trade paper, as advertisers, although they probably are considerably interested in other people's advertisements, as buyers.

NURSERYMEN.—Equally as wide-awake a class—but little interested in the florists' trade papers, save those who handle ornamental trees, shrubs and perennials. There are big openings for the nurseryman who will undertake to grow in quantities the specialties that florists can handle to advantage, and we may expect to see, within a reasonable time, this new class come to the front as heavy advertisers. The money is in it for those who know how to grow as well as how to advertise.

FLORISTS.—Now, we are interested. Including retailers, we have 15,000 strong, perhaps more; of the retailers, after we sift out the irresponsible, migratory small fry, we find a comfortable remainder of solid, substantial, progressive men, most of whom use advertising in a desultory fashion, with no fixed or set rules for their guidance. Their clientele is the public, and there is a large field open for their advancement through concentrated, intelligent and persistent advertising effort. The keen retailer will keep his eye on the grower's advertisement.

The commission men, especially those of the West, are among the keenest of trade paper advertisers. These appear to recognize to the full the necessity for trade publicity, and they find their greatest opportunities of publicity through the trade papers.

THE GROWERS.—The vast army of responsible, hard-working men, the body that is accountable for the bringing into life and the development of the trade paper. Without their support the trade paper

would be a small affair, yet without an outlet the number of growers at the liberal figure of 3,000, there are only about 200 who advertise continually all the year around, and possibly not more than 500 or 1 in 18, who patronize the trade paper out of the "help wanted" columns. In this class of worthy workers the grower in the trade paper is the most vitally interested, because they contribute its life, bone and sinew, meat and drink, and to those who give so much and so freely, much is due. The persistent advertisers in this class know their advertising ropes pretty thoroughly and need very little prompting. Because they are successful business men they are successful advertisers. The two qualities travel hand in hand. Success makes success.

It is, therefore, to the intermittent grower advertiser, and to the grower who advertises not at all, that the talk should be directed, while rendering full tribute to him in the trade whose experience has made of him a successful advertiser.

Some of the pointers to the inexperienced florist advertiser would read about thusly:

You can build up a good, and perhaps a prosperous, business through growing some specialty for the market direct without advertising—and that's about as far as you can go without general publicity.

If your trade is wholesale, you must use the trade paper, the catalogue, and the traveler; the latter as soon as you can afford him. Spend the most money on whichever of the above experience and the story of your books proves is bringing you in the best returns in proportion to outlay.

If you cater to a retail trade, use the many avenues open to you for obtaining the desired publicity. The first step is to make your home grounds the most attractive place in all the neighborhood. Be on the best of terms with the publisher of your local paper; here, an occasional gift of a plant or a few flowers will go a long way, but don't omit to also advertise in his paper. Use neat stationery; it need not necessarily be expensive. Keep your store as well as your grounds clean, bright and wholesome. Issue a circular (not a poster) and price list, or some other attractive novelty, at least once a month; never lose sight of the price list section, and work in at least one reasonable bargain offer each time. Revise and constantly extend the list of names of possible buyers in your vicinity. Spend the half of your profits in advertising. Keep it up; go at it just as systematically as you plan and work out the fruition of your crops. Bear in mind always that "judicious advertising pays"—the hit or miss system is waste of money. Follow up persistently every gain you make. Be courteous, prompt, attentive; don't despise the very small order of the man or woman flower-lover who is poor; some day they may be better off—and they have their friends. Lay your advertising foundation deep and firm; the habit once formed will endure, become easy, and the future will take care of itself. Persistent judicious advertising is money out at compound interest.

SELECTING A MEDIUM.—This is not a particularly difficult matter, yet, because of much indiscriminate advertising, considerable money is mis-spent. Try all the advertising media at command; give each a long enough test to discover its business bringing qualities, then discard all such as fail to reimburse you for your outlay. Advertising is purely a business proposition, and sentiment never enters into its operations. Charity is an excellent thing, but it should be bestowed quite outside of all business matters. Never remain under the belief that you are compelled to patronize every paper that solicits your business; this is an erroneous and profitless plan. And never accept fully and without the proverbial grain of salt the claims made either by advertising solicitors or the papers that employ them. Test the statements for yourself, and then shape your course, by the results obtained, accordingly.

A choice collection of Don'ts could be appended to all this, but the only Don't we will make use of is this: If you don't want to better yourself, don't pay any attention whatsoever to any of our suggestions.

POLYANTHA ROSE APPLE BLOOM FOR FORCING.—We learn from German and American gardening journals of the readiness with which polyantha rose Apple Bloom lends itself to forcing. As a seedling from Madame Norbert Levavasseur, the variety possesses all the properties of the parent excepting perhaps the foliage is less robust or coarse. The lighter foliage, and graceful growth and habit of the forced plant, and the pretty rose-colored fragrant blooms have a charming effect. Plants worked on stocks the previous year, and grown on in pots, and forced the following Winter, and by no means of any great strength, had three flowering shoots. While mildly attacks other polyanthas indiscriminately, Apple Bloom suffers least of any, and in the case of this variety, is grown out of doors, and then potted up, the results are considerably more favorable. —Horticultural Journal, Eng.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYBES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIERTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 38th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYEE, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

Funeral Work at Indianapolis.

The accompanying illustration shows funeral designs recently executed by several of the Indianapolis florists. The background and arrangement of the designs, as shown in the picture, were done by Bertermann Brothers Company. From \$1,200 to \$1,500 was the value of the flowers used.

Our London Letter.

BY A. HEMSLEY.

THE WINTER-FLOWERING CARNATION SOCIETY held a most successful meeting at the Royal Horticultural Society's hall on April 1. The general public, judging from the large attendance of visitors, take great interest in the doings of the society. It was a little disappointing to find so few novelties. We have been promised some good things, and I have seen seedlings at several nurseries, but up till now the stock has not been worked up sufficiently, or the blooms have not been in the best condition just at the right time. Marmion, from Mr. Burnett, which has previously been shown and described, was given a first-class certificate. It is certainly a fine variety and good flowers of it have been shown several times during the past Winter. Mikado from the same grower was given an award of merit. This is of a peculiar shade of heliotrope purple. The only other novelty submitted was a scarlet, but some doubt was expressed as to its being a good Winter bloomer.

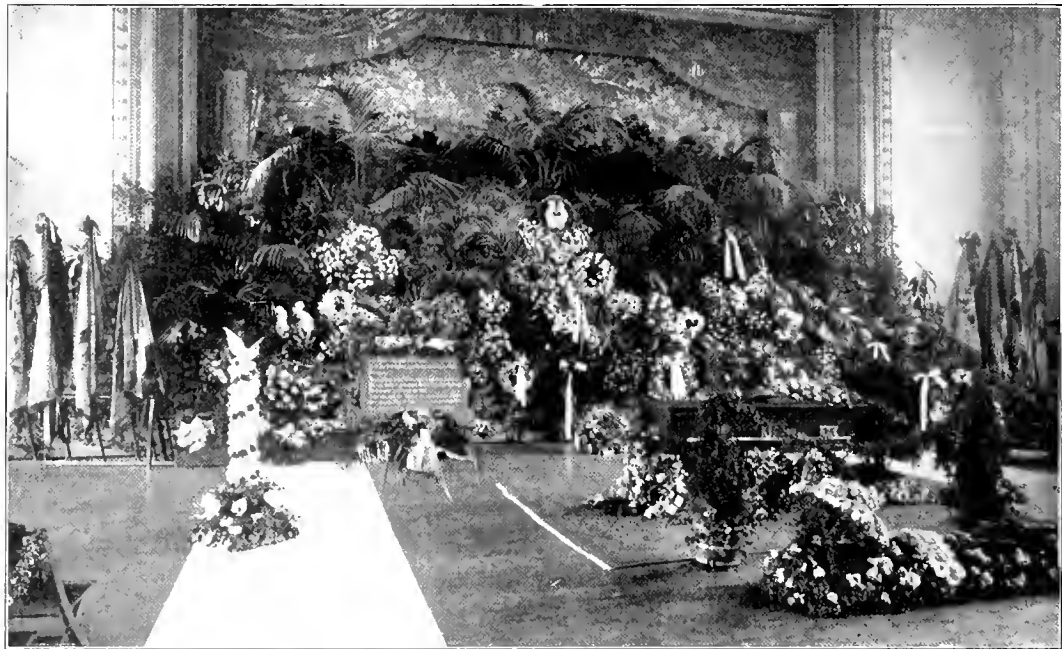
Burnett, Red Lawson, Beacon, Britannia, Aristocrat. This latter sort varied a little in color, but the blooms were of good form. My Maryland, though not in the vase classes, was well shown in the mixed groups.

On the evening of the show the annual dinner and general meeting were held. Some alterations in the rules were made. In the first place the title of the society was altered to "The Perpetual-Flowering Carnation Society," and other slight alterations were made. The most important matter under consideration was the registration of new varieties. A code of rules was submitted and with a few slight alterations the rules were adopted. It was agreed that the American Carnation Society's names should be given priority if in the case of sports they are registered on your side first.

The report and balance sheet showed that the society is making headway, there being a considerable increase in membership, and all the shows held have been most successful.

THE PHILIPPINE LILY.—The Cushman Gladiolus Company, Sylvania, O., has been making extensive trials of this lily for Summer garden culture and finds it highly suitable for this purpose. The firm writes as under to the Rural New Yorker, relative to the outdoor treatment of the bulbs:

"In the garden or border no lily is easier to grow. Select a place in full sunshine, if possible, away from trees or tall plants that might take the moisture and light. Plant in May not less than four inches deep in loose, mellow soil. Beware of fresh manure or acid fertilizer. Give plenty of water when growing; in their native mountains they are deluged nearly every day during the growing season. In cutting the flower be sure to leave enough foliage to develop and ripen the bulb. When the foliage ripens in October, dig the bulbs and store in dry sand or earth. With a light mulch the bulbs seem fairly hardy, but they are so easily kept in sand that it seems advisable to lift and store during Winter."



Funeral Work at Indianapolis, Ind.

Taking the flowers shown in the various classes, for vases of 36 blooms H. Lancashire was first in white with White Perfection. Mr. Wallace, Dunstable, came a good second with Lady Bountiful; and this variety came first in another class, being well shown by Messrs. Bell & Sheldon, Guernsey.

In the class for bluish there was nothing to compete against Enchantress.

For pink Mr. Dutton showed Winsor in fine form. For deep pink Mrs. T. W. Lawson was the variety securing first in one class, and in another class Nelson Fisher carried off first honors. For crimson President proved the best variety. In scarlet Robert Craig came first, and a vase of this variety secured a special prize offered for the best vase of blooms of any color.

The most interesting feature of the show was formed by the large collections from trade growers, the chief exhibitors being Messrs. H. Burnett, Guernsey; Low & Company, Enfield; W. H. Page, Hampton; C. F. Waters, Balcombe. Gold medals were awarded to each of these firms; and silver gilt medals to Messrs. A. F. Dutton, Ivor; Bell & Sheldon, Guernsey; and Morris & Company, Guernsey. Silver medals were given to Messrs. C. Engelmann, Saffron Walden; and G. Lange, Hampton.

Of varieties specially worthy of note Rose Pink Enchantress certainly one of the best—and Mrs. H.

Dr. Van Fleet adds the following interesting particulars: "The Philippine Lily is native to the Island of Luzon, Philippine Archipelago, where it grows abundantly on elevated plateaus, dry at one season and very rainy at others. The bulbs force well, but are not always easy to bring into bloom by Easter. Each produces from one to five immense trumpets, the longest and most elegantly formed of any in the genus. Bulbs and plants are healthy, and so far free from the disease that so frequently affects other white florists' lilies. This species, unlike most varieties of longiflorum, may repeatedly be forced for Winter bloom, appearing to gain vigor each season, if allowed to mature in a natural manner after flowering. Bulbs are now blooming in the Rural Grounds greenhouse that have been grown in pots three successive Winters, and are far larger and more vigorous than ever. We keep the pots in full sunlight after blooming, and water regularly, using occasionally very weak liquid manure or guano water. When the leaves all turn yellow we turn the pots on the side in a sheltered place, where they will not entirely dry out, and leave them until sharp frosts in November, when the bulbs are shaken out and repotted in fresh, clayey soil, stored in a cool cellar and brought into heat as wanted. The garden culture is a new idea, and as it appears entirely practicable, will doubtless greatly extend the popularity of this charming plant."

CLUB AND SOCIETY DOINGS

NEW YORK FLORISTS' CLUB. A well attended meeting of the club was held on Monday evening, April 13, in the former rooms in the Grand Opera House Building, Eighth avenue and Twenty-third street. Many expressions of gratification at assembling in this favorite meeting place were heard on all sides. President Weathered occupied the chair, and the first business of the evening was to thank the club room committee for its services in again securing these accommodations. The transportation and outing committees reported progress. The latter hopes to have the program ready for distribution at the next meeting.

A resolution was passed expressing appreciation of the work of the Department of Agriculture in behalf of the florist industry of America and helping toward the solution of problems confronting the trade, and especially thanking Professor Corbett for his interesting and instructive lecture on "Soils" delivered at the March meeting.

N. Shreiner and G. Henry Cathcart were elected to membership, and the following names were proposed: E. W. Leutz, W. L. Badgley, Anton Schultheis, Jr., T. E. Smith and C. M. Lynn. The resignations of Peter Devoy and Peter Fisher were received with regret.

President Weathered appointed the following as a committee to draw up resolutions on the death of Miss Dean, daughter of ex-President James Dean: Harry O. May, Alex. Wallace and Charles Lenker.

Quite a discussion ensued, participated in by Messrs. Wallace, Butterfield, Totty, Traendly, Young, Marshall and Lenker, on the articles that have appeared in the daily newspapers regarding the alleged cheap prices of Easter lilies this year, owing to the reputed large importations from Bermuda. It was stated that some of the retailers were already having difficulty with their customers because of these reports, and a suggestion was made that it might be well to counteract through the daily papers the statements, by a resolution of the club setting forth the actual facts in the case. The consensus of opinion, however, seemed to be that, as the prices for Easter plants generally had been reported by the newspapers as being very high in years past, having the tendency to drive customers away from the florist stores, the present report of cheap prices would have the opposite effect. The discussion resulted in the appointment of a press committee, consisting of Messrs. Wallace and Totty, whose province it will be to call in question any erroneous statements concerning the florist business that appear in the daily newspapers.

It was decided to hold a ladies' night on Wednesday evening, May 27, when W. E. Rickards and his committee will see to it that an enjoyable program is forthcoming.

Vice-President Marshall reported on bowling matters, and stated that the club had secured Thum's alleys, 1241 Broadway, where they will practice every Friday night at 8 o'clock. It was also mentioned that those intending to compete for the Traendly transportation prizes should be members in good standing of the Florists' Club as well as of the S. A. F. O. H.

President Traendly of the National Society gave an interesting account of his recent visit to Niagara Falls to attend the meeting of the Executive Board. He spoke of the excellent hotel accommodations and others provided for the trade exhibit and for an outdoor planting display, and was of the opinion that the educational part of the meeting would reach up to its usual high standard. Some prominent men in the business have promised papers, and J. Horace McFarland, chairman of the American Civic Association, will deliver an illustrated lecture. The Buffalo Florists' Club and the Niagara Falls people are doing their utmost to make the convention a great success.

Mr. Traendly also spoke of the forthcoming national flower show. There was, he said, no question about its being one of the greatest things ever attempted in the florist business anywhere. Already several European firms have promised to make displays. He believed the Western growers would put up a fine showing of roses, carnations and other exhibits, and he urged the Eastern growers to do likewise. Everything seems to augur well for the future of the S. A. F.

President Simpson of the American Rose Society gave an entertaining talk on the recent rose show held in Chicago, mentioning as especially worthy of praise, the American Beauty, Richmond and Killarney roses on display. He could not find an adjective strong enough to express his admiration of the Killarney flowers on exhibition. Among the weak points as they appeared to Mr. Simpson was the monotony created through the lack of exhibits other than roses. There were, too, too few of the Bride and Bridesmaid types and none of the old favorites of years ago. He did not believe that it was the very best thing to give an exhibition with just one flower alone, and had there been exhibits of orchids, palms or other decorative plants to relieve the monotony, the rose show would have been improved 100 per cent.

W. A. Manda also spoke of the rose show, and humorously referred to the fact that it was comical to see rose men ask the name of the old-time favorite, Safrano.

Mr. Manda thought that it would be a good plan in future rose shows to exhibit for comparative purposes some of the old-time varieties with those of the present day, so as to demonstrate the progress that had been made. He mentioned that at the Ghent Quinquennial exhibition a replica of the exhibit one hundred years ago was to be made so as to show the progress in European horticulture during the century that has passed. He also urged Eastern growers to make an exhibit at the Chicago show, for which the Western people were already making great preparations. He cited the fact that if it were possible for cut roses to travel to Chicago and take prizes at the recent rose show, there should be no difficulty in shipping cut flowers for the national flower show.

Secretary Young spoke in high terms of the courtesy extended to the executive committee by ex-Mayor Cutler and other Niagara Falls people. He urged a large attendance at the forthcoming S. A. F. convention, and hoped that the Western as well as the Eastern men would come forward in large numbers with exhibits at the next show of the American Rose Society, which will be held in Buffalo in 1908. The meeting then adjourned.



Single-flowered Sport of Crimson Rambler
Grower, Anton Schultheis, College Point, N. Y.

Several very interesting exhibits were before the award committee. Julius Rochrs Company of Rutherford, N. J., showed a nice specimen plant of their new rose, Newport Fairy, for which they were awarded a certificate of merit. A. Schultheis, College Point, N. Y., exhibited two plants of a single sport of the rose Crimson Rambler. The flowers are borne in extremely large trusses, some of the clusters having as many as fifty blossoms. The flower is single, with a center almost white, the outer edge of the petals being of a very pleasing pink, shading lighter toward the center. The plants exhibited showed that the variety was extremely free flowering, with an upright, bushy habit, making it peculiarly adaptable as a pot plant. A preliminary certificate was awarded. W. A. Manda showed blooms of the Cherokee rose and a vase of flowers of a hardy pink, and was awarded a vote of thanks. John Cook, Baltimore, Md., sent a vase each of his two roses, My Maryland and one under No. 267. The former is a very pleasing light pink-colored rose, very full and large, and has a pleasant tea fragrance. This variety scored 85 points. The variety under No. 267 is of a deeper shade than the before mentioned, a very pretty color, and we are informed that the entire stock has been secured by Peter Henderson & Company. The thanks of the club were awarded Mr. Cook. It goes without saying that any variety of which Peter Henderson & Company secure complete control of the stock has given evidence of being a first-class sort in every particular. Robert Scott & Son, Sharon Hill, Pa., exhibited a large vase

of the rose My Maryland. The latter variety received a certificate from the club. The variety under No. 267 was extended the exhibitor. A vase of flowers was given to H. A. Jahn, New Bedford, Mass., for two exhibits of carnation, one, the white variety Liberty and the other a crimson variety named Jane Grosvenor. The flowers were not received in the best of condition. R. M. Schultz, Madison, N. J., staged a vase of Richmond and received a vote of thanks.

CONNECTICUT HORTICULTURAL SOCIETY. The regular meeting of this society was held in County Building, Hartford, April 10. It was certainly well and as invariably happens on such an occasion, there was a large attendance of members. The quality of the exhibits as a whole was of a high order and the awards made in each case were entirely merited. The judging committee, Messrs. Zuger, Roulter and Chambers, went over the exhibits carefully and their findings were as follows: John Coombs, diploma for vase of White Perfection; Carl Peterson, certificate of merit for collection of carnations and honorable mention for vase of Kaiserin Augusta Victoria roses; W. N. Shumway, honorable mention for pink seedling.

H. A. Pinney read a very able and instructive paper on the history of the carnation, for which he received a hearty vote of thanks. President Huss specially complimented Mr. Pinney, by saying that the paper was the most interesting he ever had the pleasure of listening to.

G. W. Smith, delegate from this society to the annual meeting of the Massachusetts Fruit Growers' Association at Worcester, gave a very interesting talk of his visit.

The society will hold a pansy exhibition on May 27, and a paper on the "Evolution of the Pansy" will be read by John Gerard.

The special committee reported having engaged Unity Hall for September 23, for the dahlia show. A committee was also appointed to secure a hall for the chrysanthemum show, November 5 and 6.

There will be an exhibit of roses at a meeting on April 24.

MORRIS COUNTY (N. J.) GARDENERS AND FLORISTS' SOCIETY. Rose night brought out the members in full force, about fifty being present, and a number of visitors from Madison, Morristown, Orange and Rutherford. James B. McArdle of Vaughan's Seed Store was with us and in a very complimentary speech gave us his impression of the exhibition, which was not confined to roses entirely. H. B. Vyse, gardener to Mr. A. R. Whitney, had two magnificent *Caleolaria hybrida*, one of which secured the H. A. Bunyard special prize of \$5 cash; A. R. Kennedy, gardener to Dr. L. D. Ward, had a grand specimen fuchsia, for which the committee awarded a special premium of \$3; he also got a vote of thanks for his *Telegraph* clematis. Charles H. Totty had fine plants of *Azalea Bernhard Andreas* alba, receiving a vote of thanks. Otto Koch, florist at the New Jersey State Hospital, brought six plants of *Spiraea Gladstone*, for which he received a cultural certificate, and six plants of *Spiraea Queen Alexandra*, which won him a certificate of merit. A special premium of \$3 was awarded him for the exhibit.

Mr. A. C. Van Gassbeck, Orange, N. J., John Dervan, grower, had a magnificent vase of mixed roses and a vase of fine *antirrhinum*, which secured a cultural certificate. Robert M. Schultz showed vases of Richmond, Bride and Ivory in fine condition, cultural certificate. George Harvey had two vases Bride and Bridesmaid, receiving honorable mention and a vote of thanks. "Villa Lorraine," F. P. Brigham, grower, had a fine vase of 100 Bride; a cultural certificate was awarded John R. Mitchell, our essayist, had Richmond, Ivory and Bridesmaid; a magnificent exhibit, especially the Richmond. Cultural certificate awarded. C. A. Work, Wm. Mühlmichel, grower, had one vase of Richmond and got a cultural certificate. L. A. Noe, Joseph Ruzicka, grower, had American Beauty, Killarney, Bridesmaid and Bride—a grand exhibit, receiving cultural certificate.

John Green, Morristown, had his new carnation seedlings, red number 1 and white number 2. The former secured a certificate of merit, scoring 85 points; the white scored 76 points, receiving honorable mention. Florham Farms, A. Herrington, superintendent, showed American Beauty, Bridesmaid, Richmond and Mme. Abel Chatenay roses and a fine lot of Darwin tulips in pots, and received a cultural certificate. William Duckham staged a vase of fine Richmond, which secured a cultural certificate.

John R. Mitchell read his paper on "Rose Culture." It was a masterly effort and he received a rising vote of thanks. Mr. Mitchell was called on to answer many questions. Among the speakers were: Joseph Ruzicka, Wm. Duckham, J. A. Manda, C. H. Totty, A. R. Kennedy, R. M. Schultz, Wm. Mühlmichel and A. Herrington.

Next meeting, May 13, will be devoted to flowering shrubs and hardy herbaceous plants. The special evening will be Arthur Herrington's "What to do at ladies' night and we have appointed a special committee, of which Robert M. Schultz is chairman, to look after the fair sex.

Among the Philadelphia Florists

Robert Craig Company.

At Robert Craig Company's every-body was hustling, packing and loading on Adams Express Company's drays which were in waiting to carry Easter plants to distant points. When I found the senior Robert, his greeting was: "Would you be surprised if our business this Easter beats all our previous records?" I had to admit that owing to business conditions generally, I would be surprised if their profits were ahead of any former Easter. "Well," Robert added, "it looks like it to me now," and I certainly hope it may prove to be so.

All the rose plants to be seen here were in fine shape. In addition to the good old Crispin Rambler there were a few different varieties in the pink shades, Dorothy Perkins and Lady Gay, which English gardeners have come to call a "glorified Dorothy," and there was the Tausendschön ("A thousand times beautiful!"). The two "Dorothys" are very much alike, and in order to point out intelligently wherein the Lady Gay is superior to Dorothy Perkins, I would have to see them growing side by side under more natural conditions outdoors. They are both valuable and produce very double flowers of a delicate pink. Dorothy Perkins is a seedling between Wichuraiana and Mme. Gabriel Luizet. I do not know the parentage of Lady Gay, but the indications are that it is a Wichuraiana hybrid also. It is one of M. H. Walsh's many valuable productions. Dorothy Perkins was disseminated by Jackson & Perkins, a year or two before Lady Gay was put out.

The Tausendschön is a German production and is very distinct from the other two referred to above, the petals being larger, though not so numerous as in the buds of the American seedlings. The coloring is variable, being a beautiful shade of pink when first opening, changing with age to a darker shade, and occasionally white blotches are to be seen in some flowers. This is expected to be a great success as an outdoor rose after it has become established in permanent quarters. It is a strong grower and a free bloomer, lasting well in bloom through the months of June and July. The persistent qualities of the flowers of this class of rose, to which all the climbers mentioned belong, make them ideal plants for forcing for Easter; besides, the salesman is quite justified in recommending them for outdoor planting, the one great trouble being, the recipients of the plants too often do not thoroughly understand planting them properly. They do not realize how necessary it is to firm the soil around them when planting, and giving them abundance of water at the same time and at frequent intervals during the growing season.

The budded plants of Baby Rambler on stems 5 feet or so high were well flowered, but they did not show to such good advantage as some, or I venture to say all of the Wichuraiana hybrids would do which have a natural tendency to droop downward. I did not recognize the stock on which the Baby Ramblers were budded. It was not Rosa canina. Was it rugosa? In Great Britain and some other parts of Europe Rosa canina—the wild rose of the hedges there—is almost invariably used on which to bud roses to form standards, and the seedling briars, which are grown from seed of the Rosa canina and are sometimes used on which to bud some classes of roses to form as dwarfs, though for a stock on which to graft roses for forcing under glass for Winter blooming the manetti stock is most in use. This, I believe, is a native of Italy and is increased by hard wood cuttings and is generally grown for the American trade in Europe.

After leaving the Ramblers we looked over the dwarfier varieties, as Magna Charta, which is still one of the safest to tie to for an Easter rose—every shoot producing flower buds; indeed, so well ripened was the wood of all the varieties used by this firm for pot plants for this great floral festival that blind shoots were the exception. A fine lot of American Beauty pot plants were well set with buds. These plants had been used for the production of cut flowers in the Fall and early Winter, and no better use

could they be put to than bringing them in as pot plants for Easter, or for Spring sales, for with careful treatment they are always profitable. The name American Beauty helps to sell them, and there are few roses that give more satisfaction when planted outdoors for amateurs. Some of the variety Tom Wood looked promising. This rose, Mr. Craig says, is known in England as the "ever-blooming Jack." If the surname proves to be correctly applied and makes good under American climatic conditions, its great value is readily understood.

The azaleas here are a fine lot, those trained in pyramidal form being especially attractive. They remove that flatness, which is all too apparent when a group of azaleas is arranged, where all and Mr. Craig says the Van der Cruysse old type are used in the arrangement, and lends itself better to this manner of training than any of the other varieties so far tried.

A fine house of lilies, the bulbs of which were supplied by W. P. Craig, were just right for delivering at the proper time. These bulbs were Azores grown and have proved very satisfactory. They were uniform as to height and type. The "trumpets" were not so large as are those of other types, and apparently are less liable to be bruised in handling.

William K. Harris.

At the establishment of Wm. K. Harris the large packing shed—into which all the greenhouses here lead—was most effectively arranged with the plants of the first class, for which this place is celebrated. The lilies were all right; not a brown tip to be found on any of the leaves; in fact, this disfigurement of the foliage of the Easter lily was less in evidence at any of the places that I visited than it used to be some years ago.

In the center of some of the groups were some fine specimens of the variegated-leaved maple (*Acer negundo argentea variegatum*), which I thought at first sight, the white in the leaves, that gives the variegation, was suffered with pink, but on investigation I found that the effect was produced through a group of pink azaleas reflecting the coloring through the glass at the gables of the greenhouse immediately adjoining the group wherein the maples were arranged. I would not be surprised if this effect was not arranged purposely to attract the visitors, of which there were a goodly number examining the display.

This maple is very effective when used judiciously in outdoor plantations in England. Will it flourish satisfactorily under the influence of the American sunshine? I do not remember to have seen it used outdoors in this climate.

The comparatively rare azalea *Hinodegeri* was a mass of buds and blossoms. This variety evidently belongs to the amena family, differing only apparently in color, which is a bright red, while the amena is nearer magenta in its coloring, which is a color difficult to use harmoniously with others, unless white is plentifully employed as a peacemaker. The *Hinodegeri* is sometimes called *Firefly*; but *Hexe*, a cross between amena and one of the greenhouse varieties, has been renamed "*Firefly*" and I have seen *Hexe* referred to as the "*Improved Firefly*" and that is how confusion multiplies.

Spiraea Gladstone has now become the favorite white variety for Easter. As to pink varieties, *Queen Alexandra* is preferred to *Peach Blossom* and one with a little more color would be preferred to either.

Jacob Becker.

Jacob Becker's place is always interesting, and Mr. Becker is an interesting personage. He is a keen observer and he imparts his impressions with deliberation and precision. He secured only 1,000 lily bulbs to force for Easter, and a third of these failed. The remaining two-thirds were all right and just on time to be used to the best advantage. They varied in height from one foot to two feet six inches. They were bought for the multiflorum variety, though they appeared very much mixed. Mr. Becker stated there is a difference of opinion as to which is the true multiflorum type; some experts contending that the *Simoneum multiflorum* has narrow leaves,

GRAFTED ROSES

NOVELTIES

MRS. JARDINE, RHEA REID, QUEEN BEATRICE.
The above, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.
MY MARYLAND, 50c. each, \$5.00 per doz., \$35.00 per 100.
On own roots, 2 1/2 in. pots, \$25.00 per 100, \$2.00 per doz.; 3 in. pots, \$5.00 per doz.
MRS. POTTER PALMER, \$3.00 per doz., \$17.50 per 100, \$125.00 per 1000.
NEW RAMBLER "NEWPORT FAIRY." For delivery Spring, 1908. Well rooted plants in 2 1/2 inch pots \$1.00 each, \$9.00 per dozen, \$50.00 per 100.

STANDARD VARIETIES

Aurora, Betty, Bon Sileas, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Geo. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Monlon, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chateau, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Woodton, Uocle John, Wellesley, White Cochet.

GRAFTED, 2 1/2 inch pots, 20c. each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1000.

AMERICAN BEAUTY

Own root, 2 1/2 inch pots \$8.00 per 100, \$75.00 per 1000, 3 inch pots \$12.00 per 100, \$100.00 per 1000. April, May and June delivery.

OWN ROOT ROSES

From 2 1/2 inch pots, repotted from 2-inch. Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uocle John, Richmond, Mme. Abel Chateau, Aurora, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000.
From 2 inch pots ready for shipment, \$3.50 per 100, \$30.00 per 1000.

CARNATIONS—Rooted Cuttings.

Winsor	100	1000
Rose Pink Enchantress	3.50	30.00
Enchantress	2.50	20.00
Queen Louise	2.50	20.00

From 2 1/2 inch pots, add \$1.00 per 100.
White Enchantress, 3 in. pots \$7.00 per 100, \$60.00 per 1000.

MISCELLANEOUS PLANTS

AGERATUM, Stella Gurney, Princess Pauline. HELIOPSIS Splendens, S. Bonifra. HELIOTROPE.
Rooted cuttings 75c. per 100, \$6.00 per 1000.

A. N. PIERSON, - CROMWELL, CONN.

COLEUS

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 60c. per 100; \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.
Golden Bedder, Hero, Messey, Pearl of Orange, 75c. per 100, \$6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.
Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c. per 100, \$6.00 per 1000. 250, in assortment, our selection, at the 1000 rate.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS

From flats, \$10.00 per 1000.

CHRYSANTHEMUMS

Ready for Shipment.

Virginia Poehlmann, Angele Laurent, Golden Dome, Mile. Jeanne Rosette, Money Maker, 1 from 2 1/2 in. pots \$2.00 per doz.; \$10.00 per 100.
Mrs. Clay Frick, Zimmers Yellow, Mary Mann. 1 from 2 1/2 in. pots \$1.00 per doz.; \$6.00 per 100.
Rooted Cuttings, \$5.00 per 100.
CHOICE POMPONS, Klondyke, Quinola.
CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita.
From 2 1/2 in. pots, \$1.00 per doz.

STANDARD VARIETIES

WHITE—Early: George S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Cleomeoline Touse, White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Niveus, Queen, Alice Byron, Eureka, Miss Minnie Wanmaker, Adella. Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.

PINK—Early: Glory of the Pacific, Roslere. Mid-Season: J. K. Shaw, Adela, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Major Weaver, Mrs. James Marshall.

YELLOW—Early: Monrovia. Mid-Season: G. Pitche, Col. D. Appleton. Late: Major Bouffant, Golden Wedding, H. W. Relmao, Yellow Eaton.

RED—Cullingfordi, Merstham Red, Matchless. BRONZE YELLOW—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Lula (White), Briblos (Pink).
From 2 1/2 inch pots; 5c. each, 60c. per dozen, \$3.00 per 100, \$25.00 per 1000.
Rooted Cuttings: \$2.00 per 100, \$15.00 per 1000.

CHRYSANTHEMUMS, Early flowering

varieties, ready now, from 2 in. pots: William Simpson, Glory of Pacific, Polly Rose, Monrovia, Omega, \$2.50 per 100, Roslere, \$3.00 per 100.

VIOLETS, Princess of Wales, thrifty plants from 2 1/2 inch pots, \$3.00 per 100. Hardy English (double purple), \$3.00 per 100.

PANDANUS UTILIS. Fine young stock for immediate sale or growing on. 2 1/2-inch, \$6.00 per 100; 3-inch, \$8.00 per 100; 4-inch, \$12.00 per 100.

KENTIA BELMOREANA, 2 1/2-inch pots, \$9.00 per 100; \$80.00 per 1000. 3-inch pots, \$14.00 per 100; 4-inch pots, \$30.00 per 100; 5-inch pots, \$50.00 per 100. Clean, cool-grown. Extra Value.

LATANIA BORBONICA, 3-inch pots, \$6.50 per 100; 6-inch pots, 5 to 6 leaves, 15 to 18 inches high, 60c. each.

GERANIUMS

Standard Geraniums, our choice of varieties, in red, pink, and white, \$2.00 per 100.

CANNAS

Strong 2 and 3 eye divisions, as follows: Allemania, Austria, Chas. Henderson, Fair Hope, Progression, Shenandoah, \$2.00 per 100; \$17.00 per 1000.
Beaute Poltevine, Crimson Bedder, Egandale, Florence Vaughan, Papa Nardy, \$3.00 per 100; \$25.00 per 1000.
Kling Humbert, \$10.00 per 100.

STOCK YOU NEED NOW...

DAHLIAS. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty, \$5.00 per 100. Grand Duke Alexis and Kriemhilde, \$7.00 per 100.
BOSTON FERNS. Plants well established in 2 1/2 inch pots, \$4.00 per 100; \$30.00 per 1000.

BEGONIAS

Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata, \$4.00 per 100.

BOUGAINVILLEA GLABRA SANDERLANA. 2 1/2-inch, \$4.00 per 100.

CALADIUM ESCULENTUM, 5 to 7 in., \$2.00; 7 to 9 in., \$3.00; 9 to 11 in., \$5.00.

ROSES for outdoor planting or growing in pots, strong 2 1/2 in. pot plants: Clothilde Souper, Hermosa, Baby Rambler, Maman Cochet, White Maman Cochet, \$3.00 per 100; \$25.00 per 1000.

THE STORRS & HARRISON CO., Painesville, Ohio

Pansy Plants

Giant Flowering, \$2.50 per 1000, \$20.00 per 10000.
ALTERNANTHERAS, Red, Yellow, April 10
COLEUS, 10 Var. 2 1/4 in. 2.00
VINCA VARIEGATED, 2 1/4 in. 2.50
VERIBENAS, April 15 2.00
CANNAS, C. Henderson and eight other varieties, 3 in. pots, May 1st, 3.50

JOS. H. CUNNINGHAM, Delaware, Ohio

ASPARAGUS, BOSTONS, AZALEAS

Plumous Nanns, 2 1/2 in., \$3.50 per 100, \$30.00 per 1000; 3 in., 6c.; 3 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. Comoreans, 2 in., 2c.; 2 1/2 in., 3c.; 3 1/2 in., 5c. Sprengeri, 2 1/2 in., 3c.; 3 1/2 in., 8c.; 4 in., 10c.

Phones: Bell, Forest 1453.

Greenhouses at Clayton, Mo. J. W. DUNFORD,

Geraniums

S. A. NUTT, and 4 other varieties, 3 in. pots	Per 100
DOUBLE PETUNIAS	3.00
ASPARAGUS PLUMOSUS	2.00
ASPARAGUS SPRENGERI	2.00
CENTAUREA GYMNOCARPA, Apr. 15	2.00
PRIMOSES, July 1st	2.00

Cash.

Bostons, 2 1/2 in., 4c.; 3 in., 8c.; 6 in., 40c.; 7 in., 65c.; 8 in., \$1.00 to \$1.50; 10 in., \$1.50 to \$2.00.

Azaleas. We are now looking orders for delivery. Our stock is the best in the West. Kinloch, Delmar 474 L.

Kings Highway and Page Bld., St. Louis, Mo.

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whereas his own experience has taught him that the narrow leaved variety is not at all free in the production of its flowers. A batch was pointed out that had not been brought into the greenhouses until some time after the first batch, and they were decidedly shorter in the stems in comparison, the first lot being much taller than the last; and in order to bring the last lot into bloom in time for Easter they had been subjected to a decidedly higher temperature. He had always found that the higher the temperature lilies are forced the shorter the stems.

Shortness of the stem, however, makes no difference to the price of the flowers and unexpanded buds, but it is noticeable when customers select their own plants, as a rule, they pick out those with the taller stems first. It is only new customers who pick out the plants bought here; the older ones leave the selection entirely to Mr. Becker's own judgment. In connection with the loss in forcing lilies Mr. Becker thinks a great deal depends upon the man behind the water supply. For instance, his friend, George Carpenter, Sr., did not lose so large a percentage as he himself had done, because George watered his plants carefully himself with the watering can, being careful to give water only to those which needed it, instead of dashing the water around less or more indiscriminately with the hose. The question to be decided: "Did the difference in time spent pay for the additional plants saved?"

The rose plants for Easter were at his Walnut street branch. Mr. Becker incidentally mentioned that he had 150 General Jacqueminot plants in 7-inch pots that readily sold at the wholesale price of one dollar each.

He spoke very highly of some American Beauty plants he had in good shape for Easter; these he had bought from Robert Scott & Son, who had to get rid of them to make room for the accommodation of the young stock of their new rose, Mrs. Jardine.

A fine lot of rhododendrons were to be seen here. What a beautiful variety is the Prince Camille de Rohan, with its delicate colored flowers, very effectively spotted on the upper petals. Two plants of this variety were in full bloom and in fine condition, but the flowers were too far open to be sold to advantage the present year; so said Mr. Becker. All plants have to be just so to satisfy the fastidious retailers nowadays, who specify very minutely to the effect that they require only a very few flowers quite open with lots of buds to follow later; and this edict applies to all flowering plants and it would seem that such regulations are all for the benefit of the final customer, and that idea conscientiously should work to the positive advantage of all concerned in progressive floriculture.

The azaleas were an even lot with Van der Cruyssen in the bud as to quantity, but according to Mr. Becker this old reliable stand-by among azaleas will in due time be superseded by the new Julius Roehrs, which is of much better color, being more intense, and the equal of the Van der Cruyssen in every other respect.

Overbrook Gardens.

After seeing and admiring a plant in bloom of *Lupinus polyphyllus* Moerheimi at the April meeting of the Philadelphia Florists' Club I could not resist taking a run out to the place where same was grown and forced into bloom. The proprietor, Edward A. Stroud, was away at Atlantic City storing up additional energy to prepare himself for the strenuous week he had before him, satisfying his Easter patrons. The foreman, the ever-obliging Mr. Prince, was on hand, who willingly led the way to where the results of excellent foresight, in securing so valuable a flowering plant for Easter or any other floral occasion was to be seen; being a hardy herbaceous plant adds to its good qualities. Every plant produced from two to three of its beautiful delicate pink flower spikes, and there were lots of others showing at the base ready to develop when planted outdoors. Owing to a lack of space the foliage had more of an upright tendency than it otherwise would have had, could more room have been allowed for each individual plant, but whether the profits would have been any greater could only be known by careful experiment and observation.

The plants were secured from Henry A. Dreer since the New Year, and in



SPECIAL OFFER OF NURSERY STOCK, HARDY PERENNIALS

SPRING BEDDING AND POT PLANTS

DAHLIAS.

These are large field clumps.

Cactus.

- Mrs. A. Beck, rich salmon, twisted petals, scarlet reflex..... \$1.00
- Charles Woodbridge, bright crimson..... 1.00
- Miss A. Nightingale, bright red, shading to golden yellow at center..... 1.00
- Kriemhilde, pink, shading to white at center..... 1.50
- Countess of Louisa, a peculiar blending of salmon, pink and amber..... 1.50
- F. Bartels, bright scarlet..... 1.00

Decorative.

- Zulu, black matron..... 1.00
- Oban, rosy lavender..... 1.00
- Iridescent, vivid red, tipped with blue..... 1.00
- Sylvia, pink, white to center..... 1.50
- Mrs. Geo. Reed, purple, with white tint..... 1.00

Show Dahlias.

- A. D. Livoni, a pure quilled pink..... 1.50

Single Dahlias.

- J. Cowan, a fine scarlet..... 1.50
- John Downie, crimson..... 1.50
- Sunningdale, bluish white..... 1.00

Mixed Colors.

- Good varieties, all colors..... .75
- " mixed yellow..... .75

MISCELLANEOUS LOT OF BULBS.

- Gladolus, mixed..... \$1.00
- Amaryllis Formosissima..... 5.00
- Zephyranthes Alba..... 2.00
- " Rosca..... 2.00
- Faneratium Spider Lily..... 5.00
- Ismene Calathina, 1st size..... 6.00
- " 2nd size..... 4.00
- " bulbils..... 2.00
- Tritoma Hybrids, asst. 1 year old, largest size..... 4.00
- Tritoma Hybrids, small size..... 2.00

ROSES IN POTS AND OUTDOOR.

- Prairie Queen, 3 to 5 feet, 15c. to 35c. each.
- Rambler, Crimson, 2 feet, 15c. Per 100
- Baby, 3 1/2-inch pots..... \$6.00
- Sweet Brier, 2 to 3 feet, 10c. to 25c. each.
- Lot Hybrid Perpetual, 5-inch, asst. varieties, pot grown..... 15.00

DRACAENA INDIVISA

This most useful plant is always in great demand in Spring. Better secure your stock now. Fine plants in the following sizes and prices: Doz. 100.

- Dracaena Indivisa, 1 inch..... \$2.00 \$12.00
- " 2 inch..... 3.00 20.00
- " 4 inch..... 6.00 40.00

TREES.

- Box Elder, from 1 to 2 1/2 inches, 6 to 10 feet, 35c. to \$1.00 each..... Per 100
- Catalpa, 1 1/2 to 2 inches, 8 to 10 feet, 75c. each..... \$75.00
- Elm American, 2 to 4 inches, 6 to 12 feet, \$1.00 to \$3.00 each.

PERENNIALS.

- From December, 1907, sowing. Have been replanted into flats. Any at \$10.00 per 1000 until replanted again.
- Myosotis (Forget-me-nots).
- Stokesia Cyanea (Stokes aster).
- Bellis (Daisy).
- Eulalia.
- Eranthus Ravenna
- Aster Bessarabicus
- Achillea (The Pearl).
- Lobelia Cardinalis.
- Pentstemon (Beard-Tongue).
- Rudbeckia Triloba.
- Tritoma, asst. Hybrids
- Campanula, under name and asst.
- Digitalis..... " " "
- Yucca Filamentosa.
- Delphinium, asst Hybrids
- Sweet William, single mixed.
- Lychnis Chalcedonica, also Haageana Hyb.
- Dianthus Plumarius, mixed.
- Shasta Daisy Alaska
- Ampelopsis Velutina.
- Veronica Longifolia Subsessilis.
- Gaillardia Grandiflora, also Kelway's Hyb.

Araucarias.

- 4-inch..... .50 cents each
- 5 "..... .75 " "
- 6 "..... \$1.00 each

SHRUBS, ETC.

- Ampelopsis Quinquefolia, or American Ivy, 15c. each.
- Berberis Thunbergii (Japanese Barberry), 1 to 3 feet, 10c. to 50c. each.
- Hydrangea Pinniculata, 2 to 3 feet, 15c. to 35c. each.
- Symphoricarpos Racemosus alba (Snow-berry), 2 to 5 feet, 10c. to 50c. each.
- Symphoricarpos Vulgaris rubra (Indian Currant), 2 to 4 feet, 10c. to 35c. each.
- Lilacs, Persian, also German, in white and light and dark purple, 3 to 6 feet, 25c. to \$2.00 each.
- Viburnum Opulus (Snowball), 2 to 5 feet, 10c. to 50c. each.
- American Arbor-vita, 2 to 3 feet, 10c. to 25c. each.
- Matrimony Vine, 10c. to 50c. each.
- Spiraea Sorbifolia (white), 3 feet, 25c. to 35c.
- " Thunbergii, 2 to 3 feet, white, 15c. to 25c.
- Spiraea Regalis, 3 feet, 35c.
- Syringa (Philadelphus) Lemoiniei, 3 to 4 feet, 25c. to 35c. each.
- Cut-leaf Elder, 3 to 6 feet, 10c. to 25c.

PEONIES.

- In variety, 10c. to 50c. each.
- Cycas Revoluta.**
- 4-inch..... .25 cents each
- 5 "..... .35 " "
- 6 "..... .50 " "
- 7 "..... .75 to \$1.00 each
- 8 "..... \$1.25 to \$1.50 "

If we do not confine ourselves to the exact size of feet specified, we shall see that stock of good value for the money is sent on every order.



KENTIAS

- Kentia Belmoreana, 5 in..... Per doz \$7.20
- " 5 in, strong..... 9.00
- " 6-in..... 12.00
- " 6-in, strong..... 15.00
- " 7-in..... 18.00
- " Forsteriana, 5 in..... 7.20
- " 5 in, strong..... 9.00
- " 6-in..... 12.00
- " 6-in, strong..... 15.00

Perennials in Pots, One Year Old.

- Per 100
- Dianthus, Sweet William, 5 inch pots..... \$10.00
- Coreopsis Lanceolata, 5 inch pots..... 8.00
- Campanula, asst., 5-inch pots..... 12.00
- Per 1000
- Grave Myrtle, 2 1/2-inch pots..... \$25.00
- " 3-inch pots..... 40.00

Perennials Clumps from Field.

- 12c. per clump except where specified
- Iris Germanica, all colors under name, 10c
- Iris Kempferi, blue, tall, 10c
- Barbebo's Buttons, yellow, 2 feet, 10c.
- Campanula, assorted
- Chrysanthemum Ukinoxium, 3 feet, Shasta Daisy.
- Coreopsis Lanceolata.
- Day Lily, 5 feet.
- Gaillardia.
- Golden Glow (or Rudbeckia), 5c
- Lychnis Chalcedonia.
- Delphinium or Larkspur.
- Phlox, all colors under name
- Pentstemon, assorted.
- Polemonium Cernuum (Jacob's Ladder).
- Physostegia Speciosa, grand, mixed.
- Yucca Filamentosa (Adam's Needle), 25c

The GEO. WITTBOLD CO., 1657 Buckingham Place, Chicago

500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant selfs and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky.

Fall transplanted plants ready to bud and bloom. Price \$10.00 per 1000. Larger Sizes \$15.00 and \$20 per 1000.

EXPRESS ONLY CASH WITH ORDER

L. E. COBURN, - 291 Ferry Street, - EVERETT, MASS.

February were brought into a cool greenhouse where the maximum night temperature was 50 degrees, and in this gentle heat they came into bloom just right for Easter.

Since this novelty among perennial lupins has proven to be such an excellent subject for forcing, the white and the blue polyphyllus would make appropriate companions to this pink one. Annual lupins have been forced for cut flowers for Winter for some years past, but so far as I know this is the first time that the perennial species have been used. It appears to me the latter is the better for said purpose, as having more decorative value than some of the annual varieties I have seen, either as a pot plant or for cut flowers.

To again allude to the treatment of this perennial for forcing, Mr. Prince states that he believes better results could have been attained if the roots had been obtained and potted in the early Fall and kept for a time in a cold frame and protected from severe frost. Under the treatment as given by Mr. Prince some of the spikes measured a foot long.

Among other plants seen here were some well grown Hydrangea otaksa, the individual "heads" of which were very large; one I measured and found it to be sixteen inches in diameter. The lilies for the most part were just right for the time needed; some of the bulbs used were grown in the Azores—a group of islands located about 800 miles west of Portugal, to which country they belong. There were also some of the multiflorum

and giganteum types here. One made-up pan was a fine specimen having thereon 45 flowers and unexpanded buds. I understood Mr. Prince to say the percentage of worthless bulbs with him was quite small. About the best lot of L. candidum I have seen for some time were here, with stems not too tall; all were well set with buds. Some will be in bloom for Easter, while others will be held back for Memorial Day.

The gloxinias as grown here were in full bloom. They are in pans and stood in saucers, whence they receive their moisture sub-irrigation, as it were. Water is never allowed to touch the foliage, and when sold the saucer goes with the plant, and explicit instructions are given as to how and when to give water. Under the conditions as laid down the gloxinia has proven quite satisfactory as a house plant, lasting sometimes as long as six months.

Another hardy plant was seen here forced into bloom as an Easter subject, namely, the common flowered Diervilla Eya Rathke, better known by florists and gardeners as weigand. This variety

GERANIUMS 2 in. S. A. Nutt, \$20.00 Per 1000; \$2.25 per 100; rooted cuttings, \$12.00 per 1000; \$1.25 per 100. VARIEGATED VINCA, rooted cuttings, \$10.00 per 1000. Cash with order.

S. N. PENTECOST
1790-1810 East 101st St., CLEVELAND, O

was new to me. It is said to be almost a continual bloomer when well established outdoors. These were imported plants and had been pot-grown the previous Summer, in that way preparing them for forcing.

Other plants of interest to be seen here I must leave for a future visit before saying much about them, but I cannot close without referring to some new and promising varieties of zonal pelargoniums, one of which was especially striking. It is labeled Daniel Stern. The flower is double, a rich dark velvet crimson in color, and the ample foliage is more darkly zoned than is any other zonal that I have before seen.

EDWIN LONSHALL.

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Cash with order.
The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants, also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.

Display advertisements, in these columns, 15 cents per line; count 12 lines agate to the inch.
If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding. Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care of our Chicago office at 4343 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—Young man wants to learn the florist business. Address, Y. Markiewicz, 211 East 121st street, New York City.

SITUATION WANTED—Gardener, florist, single, German, as working foreman, grower of roses, carnations, chrysanthemums and general stock. Address, G. W., care The Florists' Exchange.

SITUATION WANTED—By a good experienced man in all branches, as assistant. Aged 27, steady, good worker. State wages, etc. Address, G. G., care The Florists' Exchange.

SITUATION WANTED—Single grower of roses and carnations, can take charge of 50,000 feet of glass. Life experience. Address, Florist, 233 West 14th street, New York City.

SITUATION WANTED—As foreman in any Southern State. Good, all-around grower, long experience, sober, good manager, married. State particulars. Address, South, care The Florists' Exchange.

SITUATION WANTED—German gardener, single, aged 36, wants permanent position as foreman on large private estate. First-class references. Address, 39 B. R., care The Florists' Exchange.

SITUATION WANTED—By Swede, aged 28, 12 years' experience in general greenhouse work; in Sweden, and company, and one year in this country. Place near New York preferred. Address, O. Pierson, Box 500, Short Hills, N. J.

SITUATION WANTED—First-class grower of Easter and Christmas stock, cut flowers. Twenty years' experience in commercial places. German, 35 years of age; wants position now or later. Address, N. E., care The Florists' Exchange.

SITUATION WANTED—German, 26, single, experienced in growing roses and cut flowers. All-around florist; wants position on private or commercial place. Good references. F. Weiss, 35 North 7th street, Paterson, N. J.

SITUATION WANTED—By a first-class, all-around grower, 26 years' experience, quick worker, temperate, up-to-date on funeral work. N-w England States preferred. Address, G. M., care The Florists' Exchange.

SITUATION WANTED—As foreman, on first-class commercial place. A No. 1 grower and propagator of Roses, Evergreens and all kinds of greenhouse and nursery stock. Used to handling large force of men. Address, G. O., care The Florists' Exchange.

SITUATION WANTED—By Belgian, private place preferred. Has complete knowledge of growing all plants, outside and under glass. Good references, speaks only French. Address, Alphonse Anthelot, care Miss Kenny, 258 West 25th street, New York City.

SITUATION WANTED—By May 1 as manager of large private or commercial place where good service is appreciated. Life experience in all branches, growing, decorative, designing and landscaping. Well educated, married. Fine references. Henry L. Lonscher, Bristol, Va.

SITUATION WANTED—Young man, 26, single, capable, well recommended, 17 years' experience in greenhouses, garden and the lands are work, wants position on private place. Speaks English, German and French. State wages and particulars. Address, G. P., care The Florists' Exchange.

SITUATION WANTED—As foreman of all-around place. Twenty years' experience in all kinds of plants, chrysanthemums, pot plants, carnations, stock. A No. 1 at lands on good sized work, 3000 ft. Permanent position. Will be paid for my good place. Address, 3010, wages. Address, Horticulturist, Fairfield, Conn.

Thirty cents is the minimum charge for advertisements on this page.

SITUATIONS WANTED

SITUATION WANTED—By competent, all-around man as foreman of first-class place. A No. 1 grower of chrysanthemums, carnations, roses, pot plants, for high-class trade. Long experience in handling men to best advantage. Hastler; no drinker. Permanent position, state wages. Address, Rose Grower, Fairfield, Conn.

SITUATION WANTED—As head gardener, where two or more are kept, by a Scotch gardener who has held similar position in Scotland. Thoroughly experienced in all branches, including stove and greenhouse plants, fruits, roses, carnations, chrysanthemums and violets. Exceptional references. Aged 32, single, and abstemious. Address, R. M., care The Florists' Exchange.

HELP WANTED

WANTED—Single man in rose growing plants; state experience and give references in first letter. L. C. Randall, Clifton, N. J.

WANTED—A boy, 14 to 16 years of age, to learn the florist business; German preferred. Address, W. W., care The Florists' Exchange.

WANTED—Several energetic young men with at least a common school education, to take up work with a forestry company. Address, Box 151, White Plains, N. Y.

WANTED—A man experienced in cutting and growing carnations, as second man, by the month. State wages in first letter. F. B. Abrams, Blue Point, L. I., N. Y.

WANTED—A rose grower for section under foreman; must have good experience. Would prefer a married man, as we can furnish a dwelling house. Joy Floral Company, Nashville, Tenn.

WANTED—Single man who has had several years' experience in rose growing. Good references as to character and ability indispensable. H. H. Battles, Newtown Square, Del. Co., Pa.

WANTED—At once, a good grower of ornamental nursery stock, also perennials, give references. Beaudry's Nursery Company, 1747 Railway Exchange Building, Chicago, Ill.

WANTED—At once, a grower of carnations, potted stock and forcing vegetables; must be steady, sober and capable. Wages, \$30.00 per month and board, or can furnish house. Give references and experience in first letter. Address, George E. Butler, Allen avenue, Meriden, Conn.

MISCELLANEOUS

A Long Felt Want Supplied

The Greater New York Employment Agency can furnish help of all kinds for florist and greenhouse work. Any nationality. Address

A HULSEBOSCH, Prop.
51 Greenwich St., NEW YORK CITY
Telephone 4839 Rector

MISCELLANEOUS WANTS

WANTED—About 5000 Imperial Violet cuttings, sand-rooted. Send sample and price. Address, P. O. Box 194, West Hartford, Conn.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—To lease, at once, a few greenhouses with about ten acres of rich land. State rent, houses, water supply and other particulars. Address, Landscape, Fairfield, Conn.

BOOKS

- GARDENER'S ASSISTANT, \$15.00**
Write for Prospectus
- VIOLET CULTURE, 1.50**
 - THE HEATHER, 1.50**
 - AMERICAN CARNATION, 3.50**
 - PLANT CULTURE, 1.00**
 - HOUSE LANTS, cloth 1.00**
 - " " paper .50**
 - RESIDENTIAL SITES, 4.50**
 - TELEGRAPH CODE, 2.50**
 - Book of Water-Gardening 2.50**
- A. T. De La Mare Ptg. and Pub. Co. Ltd., N. Y.

FOR SALE OR RENT

FOR SALE—Three greenhouses, heated by Hichings boilers; six-roomed house, barn and three-quarter acre of land, near the Orange, N. J. Good opportunity for retail and landscape work. For particulars, address J. A. Manda, 191 Valley road, West Orange, N. J.

TO LEASE—For five years, five greenhouses, heated by hot water, house with seven rooms, in good condition. The place is situated in Greater New York; 15 minutes from Thirty-fourth Street Ferry. No stock to buy. Apply to Beaulieu, Agent, Woodhaven, N. Y.

FOR SALE—Chance of a lifetime. On account of my husband's death, I desire to sell the business and property which consists of eight bulbhouses filled with different plants as the market here requires. Also cottage with eight rooms and barn five acres of land in good condition, besides hotbeds and two hot-water boilers in good condition. If interested, please address, Mrs. Hugo Book, 10 College Street, Worcester, Mass.

FOR SALE—Five greenhouses, about 20,000 feet of glass, well stocked; four acres best kind of soil, five-roomed and attic house, good well and windmill, barn, horse, wagon, tools and stock, everything goes with the plant. Good trade; can sell all the stock you can grow. Located near city of about 400,000 inhabitants; accessible to steam and electric lines. Address, Wisconsin National Loan and Building Association, 22 Mitchell Building, East Water and Michigan streets, Milwaukee, Wis.

FOR SALE NEAR PHILADELPHIA

Nursery and florist business, convenient railroad facilities, very desirable location, greenhouses 8,000 feet of glass, nine-roomed house with all modern conveniences; stable and all outbuildings new and complete. 30 acres of land, 6 planted to ornamental shrubbery, etc.; the greenhouses are stocked with roses and other stock. Price, \$12,500. A rare chance for the right party. Write for an appointment. Trifler need not apply. Address

NURSERY R F. D. No. 5, Box 64, Norristown, Pa.

STOCK FOR SALE

SMILAX PLANTS, from 2-in. pots, while they last, at \$1 per 100. Cash with order. Edward Snow, 526 Keystone avenue, Sayre, Pa.

SALVIA ZURICH, 2 in., \$3.00 per 100; \$25.00 per 1000; R. C., \$1.75 per 100; \$15.00 per 1000. Now ready. The Kreuzer Brothers Company, Toledo, O.

JAPAN IRIS (Iris Kaempferi), divided roots, 2-5 shoots, mixed, \$4.00 per 100; divided roots, 2-5 shoots, white, \$5.00 per 100. Large clumps, 10c. each. Wm. P. Halsey, Southampton, N. Y.

DAHLIA BULBS, twenty-five choice named varieties, one-third cactus, for \$1.00; twenty choice named varieties, all cactus, for \$1.00. Catalogue free. C. Peirce, Dighton, Mass.

CARNATIONS, field-grown, 15,000 Enchanter and Winesap, ready for delivery July 1. Orders filled in strict rotation. Order now and be first in Pipes on application. We guarantee satisfaction; we lead in superb field-grown stock. Wa-No-Ka Greenhouses, Barneveld, N. Y.

SEEDS—SEEDS—SEEDS
Buckbee's Famous "Full of Life" pedigree strains of the newest and best varieties vegetable and flower seeds, etc. If you have failed to receive a copy of Spring Trade List—write for it to-day. H. W. Buckbee, Rockford, Illinois.
Rockford Seed Farms—Forest City Greenhouses.

300 SPIRÆA Anthony Waterer, 18-24 in., \$10.00 per 100, 200 Spiræa Van Houttei, 3-4 ft., \$10.00 per 100, 100 Indian Currant, 3-4 ft., \$10.00 per 100, 2-3 ft., \$8.00 per 100, 200 Berberis Thunbergii, 2 1/2-3 ft., XX, \$10.00 per 100, 500 Dorothy Perkins rose, 2 years, \$10.00 per 100, 2000 California Privet, 2-3 ft., \$35.00 per 1000; 18-24 in., \$25.00 per 1000. Dighton Nursery Company, Dighton, Mass.

VINCA VARIEGATA, strong, 3 1/4 in., \$6.00 per 100, German Ivy, Lobellias, trailing, bushy, Mammoth Verbena, Breer's Tringed Petunias, strong 3 in., \$3.00 per 100; \$25.00 per 1,000, Salvia, Verbenas, Lobellias, dwarf and trailing; Ageratium, blue; Colens, in variety, strong, 2 in., \$1.75 per 100; \$15.00 per 1,000, 100,000 Geraniums, Cannes, Begonias, ready end of April, Wm. S. Herzog, Morris Plains, N. J.

CHRYSANTHEMUM CUTTINGS: Enguehard, Halliday, Cullingford, Perrin, October Sunshine, Bonaffon, Cobbold, Pride, Polly Rose, Pacific, \$1.00 per 100 from sand; from soil, \$1.50. White Bonaffon, Jerome Jones, Nonlu, Maud Dean, Tinselt, Monrovia, \$1.50 per 100 from sand; \$2.00 from soil. Nevins, pink and white Ivory, Rosiere, Bergman, October Frost, \$2.00 per 100. Newtonville Avenue Greenhouses, Newtonville, Mass.

FOR SALE

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parsheley Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished, Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE

PIPE Good serviceable second hand. No Junk, with new threads, 1 in. 2 1/2 c.; 1 1/2 in. 3 1/2 c.; 1 1/2 in. 4 1/2 c.; 2 in. 5 1/2 c.; 2 1/2 in. 10c.; 3 in. 14c.; 4 in. 19c. per ft. New 2 in. Standard steam, 11c. All kinds of fittings for 4 in. cast iron and all sizes wrought iron.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grade, new round boiler, heating 900 sq. ft. of glass, \$40.00. 1 American Radiator ideal, eight section water boiler, grate 67 by 49, heat about 15,000 sq. ft. of glass, price \$225.00. The above boilers are guaranteed to be in good condition. We have other sizes and make; write for prices.

ICE BOX 3 ft. wide, 8 ft. high and 2 ft. 6 in. deep, full glass front, white enameled, in good condition with 8 wire bottom drawers. Price, \$25.00.

WALL CASE upper part 6 ft., fancy glass doors. Lower part 3 ft., six drawers, 10 in. deep. In good condition. Price, \$30.00.

NEW THREE PLY ROOFING guaranteed water or acid. Very strong. 215 sq. ft. roll, \$2.00.

REMINGTON TYPEWRITER in good order, \$25.00.

FISHER BILLING MACHINE with desk, \$40.

SAFES about 3 ft. all around, \$35.00 each.

ROLL TOP DESK almost new, \$16.00.

GARDEN HOSE 60 ft. lengths 3/4 in., guaranteed, 8 1/2 c.; for heavy water, guaranteed, 12 1/2 c.

HOT-BED SASH New; Gulf Cypress, 3 ft x 1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS \$x10 single at \$1.77 per box; 10x12 and 12x12 B, double, \$2.07 per box; 12x14, 12x20, 14x14 to 14x20, 16x16 and 16x18, B double at \$2.23 per box; and 16x20, 16x24 and 12x24, B double, \$2.35 per box. Discount in large quantities.

PECKY CYPRESS \$25.00 per 1000. We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.
Greenhouse Wreckers
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Cultural Directions

Are leaflets written by practical men especially for the use of amateur customers.

If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases.

(The leaflets embrace over forty subjects.)

We can supply them at \$2.50 per 1000, or 500 for \$1.50, and can make a reduction of those prices on large quantities.

At a small extra cost we can put your imprint on each leaflet.

Try a thousand and see what a help they are in selling goods.

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
P. O. Box 1697 - NEW YORK

Rooted cuttings of all soft-wooded plants are in demand at this time by florists who do not propagate their own stock. Growers making a specialty of the rooted cutting business will find an advertisement placed in THE FLORISTS' EXCHANGE a very profitable investment.

GROWERS OF CARNATIONS WHO HAVE MORE PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

OUR SILENT DRUMMER

Cellar Surpluses, Etc.

Remember you may deduct 5% Discount if Cash accompanies Order

BEGONIAS

Single-Flowering Tuberos-Rooted
For planting in beds and where color effect is desired.

Our Selection Single to Color or Mixed
Large bulbs measuring 1 1/4 inches and upward, separate colors or all colors mixed, doz. 35c., 100 \$2.25, 1000 \$20.00.

Double-Flowering Tuberos-Rooted
These can be depended upon producing 100 per cent, double flowers and contain very large and choice varieties.

Our Selection to Color or Mixed
Large bulbs measuring 1 1/4 inches and upward, separate colors or all colors mixed, doz. 55c., 100 \$4.00, 1000 \$35.00.

CALADIUM

Caladium Esculentum—(Elephant's Ear)
Bulbs measuring 6 to 8 inches in circumference, 25c. per doz., \$1.50 per 100, \$10.00 per 1000.
Bulbs measuring 8 to 10 inches in circumference, 50c. per doz., \$3.50 per 100, \$30.00 per 1000.
Bulbs measuring 10 to 12 inches in circumference, 75c. per doz., \$5.50 per 100, \$50.00 per 1000.
Bulbs measuring 12 to 13 inches in circumference, \$1.00 per doz., \$8.00 per 100, \$75.00 per 1000.

Cinnamon Vine
Large size bulbs, 50c. per doz., \$3.00 per 100.
Callas, Spotted Leaf—Richardia albomaculata
Very free Summer blooming variety, \$3.00 per 100, \$25.00 per 1000.

Hyacinthus Candicans—(Cape Hyacinth)
Large bulbs, \$1.50 per 100, \$12.00 per 1000.

GLADIOLUS

The Grand New Giant Gladiolus, HOLLANDIA (The Pink Breuchleyensis). Flowers well arranged on a spike which attains a height of about 4 feet. Often as many as 30 blooms of a charming pink shade tinted yellow are open at one time. 50c. per doz., \$3.00 per 100, \$25.00 per 1000.

AMERICA. \$1.00 per doz., \$6.50 per 100, \$60.00 per 1000.

Augusta. The florists' best white Gladiolus in existence. First size bulbs, 1 3/4 inches and up..... \$2 00 \$18 00
Bulbs 1 1/2 to 1 3/4 inches..... 1 75 16 00
Mrs. Francis King. Color of flowers is a light scarlet of a pleasing shade; per doz. 75c..... 4 50
Princeps. Color rich crimson, with broad white blotches across the lower petals..... doz. \$1.50, 12 00
Groff's Hybrids (originator's strain). Extra-selected bulbs..... 1 50 12 00
May. Pure white, flaked, rosy crimson, the best forcer, selected bulbs..... 1 75 15 00
Brechleyensis (true). Fiery scarlet, selected bulbs..... 1 50 13 00
..... (true). First size bulbs..... 1 25 10 00
Boddington's White and Light. Extra-selected bulbs, 1 3/4 inches and up..... 1 50 14 00
Bulbs 1 1/2 to 1 3/4 inches..... 1 25 10 00
American Hybrids. A mixture of the choicest varieties of Gladiolus in cultivation; very fine..... 1 00 9 00
Striped and Variegated..... 2 25 20 00
Pink and Rose shades..... 1 50 12 00
Orange and Yellow shades..... 4 00 35 00
Scarlet and Red shades..... 1 25 10 00
Lemoine's Hybrids..... 1 50 12 00
Childsii..... 2 00 18 00
Finest all colors mixed..... 75 7 00

Lily of the Valley
Large clumps of Lily of the Valley for outside planting. These clumps will throw from 20 to 25 spikes of flowers. \$2.00 per doz., \$16.00 per 100. Cold storage valley all the year round, \$15 per 1000.

CANNAS

Our selection, \$15.00 per 1000, \$1.75 per 100.

DAHLIAS

The Leading Varieties for Florists

Price of named varieties of Dahlias, large divided clumps or roots, 10c. each, \$1.00 per doz., \$8.00 per 100, \$75.00 per 1000.

Ismene Calathina—(Pancratium)
A grand Summer-flowering bulb, producing throughout the season large Amaryllis-like, pure white, fragrant blossoms. 75c. per doz., \$6.00 per 100.

JAPANESE IRIS

(Iris Kaempferi)

The collections which we offer are American grown, thoroughly acclimated and hardy and true to color and name.

We offer 20 named single and double varieties. Price \$1.25 per doz., \$10.00 per 100, \$75.00 per 1000. 25 at 100 rate, 250 at 1000 rate.

HARDY JAPANESE LILIES

For Outdoor Planting, or Growing in Pots for Summer Flowering.

Lilium Auratum—(Golden-Rayed Lily of Japan)
Monstrous pure white flowers, thickly studded with crimson spots, each petal marked with a wide gold band. A good forcer and excellent for outdoor effect, being perfectly hardy.
8 to 9-inch, 225 in a case, 80c. per doz., \$5.00 per 100, \$45.00 per 1000.
9 to 11-inch, 125 in a case, \$1.00 per doz., \$8.50 per 100, \$80.00 per 1000.

Lilium Speciosum
Lilium speciosum album. Pure white; a grand variety. 8 to 9-inch bulbs, 225 in a case, \$1.00 per doz., \$7.50 per 100, \$70.00 per 1000.
9 to 11-inch bulbs, 125 in a case, \$1.75 per doz., \$12.50 per 100, \$120.00 per 1000.
Lilium speciosum Melpomene. Very rich crimson, 8 to 9-inch bulbs, 225 in a case, 75c. per doz., \$6.00 per 100, \$55.00 per 1000.
9 to 11-inch bulbs, 125 in a case, \$1.25 per doz., \$9.00 per 100, \$85.00 per 1000.
Lilium speciosum rubrum. White ground, spotted rose on each petal; very handsome, 8 to 9-inch bulbs, 225 in a case, 75c. per doz., \$5.75 per 100, \$55.00 per 1000.
9 to 11-inch bulbs, 125 in a case, \$1.25 per doz., \$8.50 per 100, \$80.00 per 1000.

PEONIES

The roots offered below are extra strong pieces, having 3 to 5 eyes each

Paeonia officinalis Doz. 100
Enbra. Deep crimson; can be forced for
Easter..... \$0 75 \$6 00
Alba. White..... 1 25 10 00
Rosea. Rose; also a good forcer..... 1 00 7 50
Paeonia Chinensis—Double to Color
White Varieties..... 1 25 10 00
Pink Varieties..... 1 00 8 00
Red Varieties..... 1 00 7 50
Case containing 67 Double White, 66 Double Red, 67 Double Pink Paeonies, very strong roots, 3 to 5 eyes, 200 in all, \$17.50 per case, 3 cases for \$50.00.

TUBEROSES

Double Pearl. Red seal brand, selected bulbs, 4 to 6 inches in circumference, \$1.00 per 100, \$9.00 per 1000; 3 to 4 inches in circumference, 75c. per 100, \$6.00 per 1000.

Madeira Vines
Large bulbs, \$1.25 per 100, \$10.00 per 1000.

LENOX LAWN GRASS SEED

Absolutely free from all noxious weed seeds

We recommend sowing five bushels of seed to the acre. One quart of seed will sow 15x20 feet (300 square feet), one bushel 100x108 feet (10,800 square feet). Price, put up in handsome packages for store trade, \$10.00 per 100 qts., 75c. per pk., \$3.00 per bu. of 20 lbs.

HARDY HYBRID PERPETUAL, CRIMSON RAMBLER and Other Roses for DECORATION DAY

Prices on Hardy Hybrid Perpetual Roses 75c. for 5, \$12.00 per 100, \$110.00 per 1000.

Hardy Perpetual Roses
Strong two-year-old dormant, low-budded stock.
Alfred Colomb. Carmine.
Anne de Diesbach. Bright carmine.
Ball of Snow. Pure white.
Baron de Bonstetten. Dark crimson shaded.
Baroness Rothschild. Satiny pink; extra.
Captain Christy. Luscious flesh-color.
Duke of Edinburgh. Bright vermilion.
Fisher Holmes. Dark rich scarlet.
Frau Karl Druschki. The finest white in existence.
General Jacqueminot. Rich velvety crimson.
John Hopper. Beautiful rose-pink.
General Washington. Beautiful red, shaded carmine.
Margaret Dickson. White, pale flesh center.
Magna Charta. Clear rosy pink.
Mme. Gabriel Luizet. Light, satiny pink.
Mme. Planter. White.
Mrs. John Laing. Soft pink; most desirable variety.
Paul Neyron. Beautiful dark pink.
Princesse Camille de Rohan. Velvety crimson.
Ulrich Brunner. Cherry-red.

We also carry about 25 other varieties. Write for list and price.

Baby Ramblers
The Tree Baby Rambler. Grown as a Standard 35c. each, \$3.50 per doz., \$25.00 per 100.
THE BABY RAMBLER, Mme. Norbert Levassieur. Strong field-grown plants, \$1.25 per 10, \$12.00 per 100.

HYBRID TEA, or Everblooming Roses

THE GRAND NEW ROSE LYON. Originated by the raiser of Etoile de France. Perpetual flowering. Vigorous grower. The blooms are very large, with broad petals, full and globular in form; shrimp-pink at the ends of the petals, center coral red or salmon-pink shaded with chrome-yellow. Very fragrant. \$1.25 each, \$6.00 for bundle of 5, \$12.00 per 10.
THE KILLARNEY. 2-year-old field-grown stock, 25c. each, \$1.00 for bundle of 5, \$18.00 per 100.
MAMAN COCHET ROSES The best of all Roses for Summer-flowering and cutting.
Maman Cochet (Pink).
Maman Cochet (White).
2c. each, 75c. for bundle of 5, \$12.00 per 100.
ROSE, ETOILE DE FRANCE. The Queen of the Everblooming Red Roses. The most free-blooming and vigorous Red Rose ever introduced. Strong 2-year-old plants, field-grown 25c. each, \$1.00 for bundle of 5, \$18.00 per 100.
GRUSS AN TEPLITZ. 20c. each, \$1.50 per 10, \$12.00 per 100.

Popular Hybrid Tea Roses
American Beauty, Kaiserin Augusta Victoria, Clothilde Souper, Caroline Testout, Hermosa. 20c. each, 75c. for bundle of 5, \$12.00 per 100.
*For Full list of roses see our catalogue

For other varieties of Seeds, Bulbs or Plants, see our Wholesale and Retail Catalogue, from which latter a liberal discount is allowed. Mailed Free on application.

Arthur T. Boddington

342 West 14th St.
New York City

FOR SALE Orchids—Orchids

Our entire stock consisting of

- 3,000 CATTLEYA LABIATA
- 6,000 CATTLEYA TRIANÆ
- 1,000 CATTLEYA SCHRÆDERÆ
- 3,000 CATTLEYA MOSSIÆ
- 1,000 CATTLEYA MENDELII
- 1,000 CATTLEYA GASKELLIANA
- 500 CATTLEYA SPECIOSISSIMA

No Scale. No Fly. Healthy and Vigorous.

All Sizes. All Prices.

KOMITSCH & JUNGE

SECAUCUS, N. J.

ORCHIDS

We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices. Write us for information as to kinds and prices.

We have just received the following orchids: *Ocidium Tigrinum*, *O. Sarcoides*, *O. Forbesii*, *Sophranopsis grandiflora* and *coccinea*.

LAGER & HURRELL, Summit, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

Sander, St. Albans, England
and
235 Broadway, Room 1, New York City

ORCHIDS

IN BUD FROM
STANLEY & CO., Southgate, England

who always do the thing well.

CATTLEYA MOSSIÆ

in sheath to flower this April, May, at \$60.00 per 100. Order immediately.

ORCHIDS

Arrived in fine condition, a superb consignment of *Dendrobium Formosum Gigantum*, *D. Wardianum*.

Will arrive about April 15: *C. Labiata*, *C. Trianae*, *C. Gigas Sanderiana*.

May 1 to 15: *C. Mossiæ*, *C. Mendelii*, *C. Schroederæ*, *C. Gaskelliana*, *C. Percivaliana*, *C. Warneri*, *O. Varicosum*.

CARRILLO & BALDWIN, Secaucus, N. J.

Imported ORCHIDS Just to Hand

LAELIA PURPURATA, CATTLEYA INTERMEDIA, CATTLEYA MOSSIÆ

JULIUS ROEHRS CO.

The Orchid Nurseries, RUTHERFORD, N. J.

Dracaena Indivisa

2 in., \$2.00 per 100; 3 in., \$5.00 per 100.
LAFANIAS, fine strong plants, 2 in., \$3.00; 3 in., \$6.00; 4 in., \$15.00 per 100.
KENTIA Belmoreana and Forsteriana, 4 in., 25c., 35c.; 5 in., 50c., 75c.; 6 in., \$1.00, \$1.25, \$1.50; large plants, \$2.00, to \$35.00 each.
PHOENIX, \$2.50 to \$40.00 each.
CANDANUS Umbra, 2 1/2 in., \$3.50 per 100.

FERNS

Boston and Pieroni, 4 in., 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., 75c.; 8 in., \$1.00; 9 in., \$1.50.
Whitmani, 2 1/2 in., strong, \$5.00; 4 in., \$20.00 per 100; 5 in., 50c.; 6 in., 75c.; 7 in., \$1.25, \$1.50, \$2.00; 8 in., \$2.50, \$3.00, \$3.50.
Fine, small ferns for dishes, \$3.00 per 100; \$25.00 per 1000.

JOHN BADER Mount Troy, ALLEGHENY, PA.

ROBERT CRAIG & CO. ROSES, PALMS, CROTONS

CARNATIONS and Novelties
in DECORATIVE PLANTS

Market and 49th Sts. PHILADELPHIA, PA.

ASPARAGUS PLUMOSUS NANUS

Strong plants, 2 in. pots, from seed sown last August. \$2.00 per 100.
Holly Ferns all sold.

R. G. HANFORD, Norwalk, Conn.

The book of WATER GARDENING

By Peter Bisset
Price, postpaid, \$2.50

A. T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

NEPHROLEPIS AMERPOHLI

PHILADELPHIA LACE FERN

\$12.00 per 100, \$100.00 per 1000. 5% off cash with order.

These are good strong plants that were potted November and December last.

We need the room and must move them.

Also a fine lot of 6 1/2 inch pots at 75 cents each, 25 or more at 70 cents each. This is the most talked about fern of the lot and has been awarded a great many honors, including a medal by the Royal Horticultural Society of London and the "Kitt Cup" by the Pennsylvania Horticultural Society for the most meritorious new plant introduced in 1907.

Equally as good as green for cut flowers or pot culture.

The stock here offered is in superb condition.

WILLIAM P. CRAIG, 1305 Filbert Street, Philadelphia, Pa.

FERNS NEPHROLEPIS

MY SPECIALTY

I have an immense stock of assorted ferns for Jardinieres, healthy and bushy, none better; in 16 of the best market varieties, including *Cyrtomium Falcatum*, *Aspidium Tennesseense*, *Pteris Wimsettii* and *Mayil*, in good proportion, from 2 1/4 in. pots, \$2.00 per 100; \$26.00 per 1000; 600 at 1000 rate.

CENTER PLANTS (Exact Size)

Kentia Belmoreana, 2 1/4 in., \$1.30 per doz., \$10.00 per 100.

Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.

Adiantum Cunentum, fine stock, 2 1/4 in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.

Adiantum Earleyense, 6 in., \$8.50 per doz., \$85.00 per 100.

Nephrolepis Scottii, 8 in., \$15.00 per doz., worth the double.

Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, SHORT HILLS, N. J.

FERNS

For Jardinieres, best varieties, strong healthy plants, 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000; 600 at 1000 rate; 3 in., \$5.00 per 100; 4 in., \$12.00 per 100.

Boston, 8 in. pots, \$1.25; 9 in., \$1.50; 7 in., 75c. to \$1.00 each.

Nephrolepis Scottii, 9 in., \$1.50 each.

Nephrolepis Scottii, 7 in., \$1.00 each.

Cibotium Schiedei, 6 in., \$1.00 each.

FRANK N. ESKESEN, Main Street, Madison, N. J.

FERNS

Boston, Scottii, 4 in. 15c.; 6 in. 40c. Some extra heavy Scottii at 50c. each. All pot grown.

Asparagus Plumosus, 2 1/2 in., \$3.50 per 100.

KENTIA Belmoreana, 4 in., \$25.00 per 100.

Ferns for Jardinieres, in nice assortment, 2 1/4 in., \$3.00 per 100.

H. WESTON, Hempstead, N. Y.

SMILAX

from 2 1/4 in., \$2.00 per 100; \$18.00 per 1000.

SMILAX SEEDLINGS, from flats, 50c. per 100; \$4.50 per 1000. ASPARAGUS Sprengeri, 4 in., \$6.00 per 100.

SALVIA Bonfire, 2 1/4 in., \$2.00 per 100.

SALVIA Bonfire, strong seedlings, 80c. per 100; \$7.00 per 1000.

GERANIUMS, Nutt, Grant, R. C., \$1.25 per 100.

CHRYSANTHEMUMS, from 2 1/4 in. Polly Rose, Glory of the Pacific, Bonaffon, Appleton, \$2.50 per 100. Cash with order.

C. A. Peterson, MAIN STREET, MADISON, N. J.

Decorative Plants

ALWAYS IN STOCK

Palms, Ferns, Dracaenas, Araucarias, Bay Trees, Cycas, Boxwood, Aspidistras, Ficus.

Write for price list.

Anton Schultheis, College Point, N. Y.

WHITMANI, 2 1/2 in. \$5.00 per 100; 3 1/2 in. \$26.00 per 100.

FERNS, Boston, 2 1/4 in. \$3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

Nephrolepis Scottii

In the following sizes, extra good value: 2 1/2 in., 50c., 75c. and \$1.00. GRAND SPECIMEN PLANTS at \$3.00, \$4.00, \$5.00 and \$6.00.

JOHN SCOTT

Rutland Rd. and E. 45th St., Brooklyn, N. Y.

FINE FERNS FOR JARDINIERS

Very bushy and in best varieties. Liberal count on all orders. 2 1/4 in. pots, \$3.00 per 100, \$25.00 per 1000.

Asparagus Plumosus Nanus, 2 1/2 in. pots, \$3.50 per 100, \$30.00 per 1000.

Thomas P. Christensen, SHORT HILLS, N. J.

A FEW GOOD THINGS YOU WANT

Cash with Order.

Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$6.00 per 100.

Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.

ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.

Dracaena indivisa, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.

FERNS, Scottii, 8 in., 30c. each.

GERANIUMS, Nutt, Doyle, Perkins, Rieard, Grant, La Favorite, R. C., \$1.25 per 100; Pot plants, 2 in., \$2.00; 3 in., \$4.00 per 100.

Trege, Castellano, Viand, Jaulin, Poitevine, R. C., \$1.50 per 100; Pot plants, 2 in., \$2.50; 3 in., \$5.00 per 100.

Mme. Salleri, 2 in., \$3.00 per 100.

VINCA VAR., 2 in. \$2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.

GLADIOLUS BULBS, mostly light colors, \$1.00 per 100.

REX BEGONIAS, 2 in., \$5.00 per 100.

COLEUS; ALTERNANTHERA, red and yellow; CIGAR PLANT; VERBENA; HELIOTROPE; SCARLET SAGE, Bonfire; 2 in. pots, \$2.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

PLANTS FOR 2cts.

Asparagus Sprengeri, 2 in., 2c. Swainsona alba, 2 in., 2c. Feverfew, Heliotrope, Cuphea, Colens, White Ageratum, 2 in., 2c. FEVERFEW, double white, nice young plants, 75c. per 100.

SINGLE HOLLYHOCKS, field, 2 1/2c.

ASTERS, Lavender, 40c. per 100.

Vinca var.; Alternanthera, red and yellow; Stock Princess Alice, 2 in. 2c.

Forget-me-nots, Double Daisies, \$2.50 per 1000.

Wallflowers, Digitalis, Campanula, field 1c.

Rooted Cuttings below prepaid

Petunia, double, 10 kinds, \$1.00; Swainsona alba, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 3 kinds, \$1.00; Vinca Variegata, 90c.; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Alexandra, \$1.25.

Flowering Begonias, \$1.25. Coleus, 10 kinds, 60c.; Ageratum, imitable, white, 60c.; Alternanthera, 3 kinds, 50c.; Salvia, Bonfire, 90c.; Feverfew, Gem, \$1.00; Parlor Ivy, 75c.

Cash or C. O. D.

BYER BROS., CHAMBERSBURG, PA.

Flower Show at Massachusetts Horticultural College.

The department of floriculture is arranging for a carnation and rose exhibit to be held in Wilder Hall, Friday evening, April 21, and Saturday, April 25. It is felt that the students at the college should receive a better training in varieties of commercial crops than they can get from materials now grown in the vicinity. The students feel that they cannot afford to travel for this study, therefore this exhibit has been arranged. Professor E. A. White has written many of the most prominent rose and carnation growers asking if they would send one or two dozen blooms of their standard varieties for exhibition at this time, and has received many cordial replies. The New Hampshire Agricultural College will show six or eight of their best seedlings; Peter Fisher, Ellis, Mass., will send several of his unnamed seedlings and some of his standard varieties; C. W. Ward, The Cottage Gardens, Queens, New York, will show the following varieties: Creole Beauty, Alma Ward, Mrs. Harvey, Snowflake, Beacon, and Mrs. C. W. Ward. Among others who have signified their intention to send material for exhibition are Alexander Montgomery, Waban Rose Conservatories, Natick; J. W. Adams & Company, Springfield; H. W. Field, Northampton; Peirce Brothers, Waltham; William Sim, Cliftondale; F. R. Pierson Company, S. J. Goddard, H. H. Rogers. This exhibit will be open to students and townspeople and should have considerable educational value.

It has not been possible to write each individual grower asking for contributions for this exhibit and if there are others who care to contribute their material will be heartily appreciated. The college will pay all express charges.

The trustees of the college are asking for a legislative appropriation of \$34,000 for a new range of greenhouses of modern commercial type, with an attached teaching building for use of the floricultural department. It is not the intention of the college to engage in commercial floriculture, but a new range, adapted to giving the students up-to-date instruction in methods of growing cut flowers for the trade, is badly needed. It is expected to erect an instruction building costing about \$15,000. This will contain a large laboratory and workroom to accommodate at least fifty men at one time, a classroom for one hundred men, smaller classrooms, office and a room for the exhibition of material used in greenhouse construction. The basement will contain a soil and fertilizer room, a cool room for bulbs, and rooms for storage of pots and implements.

The greenhouse range as now planned will consist of a palm house 30 by 40 feet on the east end of the general workroom. From the south side of this workroom a house 12 feet wide and about 180 feet long will run directly south. This will be used for propagation and for general plants. On the east and west sides of this low, narrow house the special houses of the range will be built. This will provide for a full southern exposure for each house. The range as planned includes a students' house for special student work, 20x30 feet; violet house, 24x70 feet; chrysanthemum and bedding-plant house, 24x50 feet; lettuce house, 24x50 feet. These will be even-span houses. The range will also include a rose house, 24x70 feet, a carnation house, cucumber house and tomato house, each of the same dimensions. These will be three-quarter span houses. This range will be built as durable as possible with iron frame and cement foundation and benches.

LOOK HERE

CARNATION CUTTINGS out of soil. Table listing varieties like Lady Bountiful, Enchantress, Queen Louise, Harlowarden, Fair Maid, Lawson with prices per 100 and 1000.

POINSETTIA, stock plants for sale, all sizes. Brides and Maids, own roots, 2 1/2 and 3 in. \$3.00 and \$5.00 per 100. Grafted Brides, Maids, Killarney, Richmond, 2 1/2 in., \$10.00 per 100.

JAMES E. BEACH, 2019 Park Ave., Bridgeport, Conn.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired. White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000. Queen, Boston Market, Pink Lawson, H. Goddard, \$1.50 per 100; \$15.00 per 1000. Victory, \$3.00 per 100; \$25.00 per 1000. Craig, \$2.50 per 100; \$20.00 per 1000. Cardinal, \$2.00 per 100; \$17.50 per 1000. Harlowarden, \$1.50 per 100; \$15 per 1000. Enchantress, \$2.00 per 100; \$18 per 1000. White Perfection, \$2.50 per 100; \$22.50 per 1000. Cash with order or satisfactory references. SMITH & GANNETT, Geneva, N. Y.

ROOTED Carnation Cuttings

Table listing carnation varieties like Winsor, Pink Imperial, Enchantress, Beacon, White Enchantress, Victory, White Perfection with prices per 1000.

FERNS

Scottii and Whitmani, 5 in., \$2.50 per doz.; 6 in., \$4.00 per doz.; 8 in., 75c. each. SPIREA, Pink and White, \$4.00 per doz.

LARCHMONT NURSERIES LARCHMONT, N. Y.

CARNATIONS

Table listing carnation varieties like Winona, Red Chief, Aristocrat, Winsor, Beacon, White Perfection, Rose Pink Enchantress, Enchantress, Lady Bountiful with prices per 100 and 1000.

F. DORNER & SONS CO. LAFAYETTE, IND.

JOHN E. HAINES BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908: John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000. Place orders early for December delivery.

AFTERGLOW

Strong Rooted Cuttings now ready \$12.00 per 100; \$100 per 1000. R. WITTERSTAEETER (Originator) Station F. - - CINCINNATI, O.

CARNATION CUTTINGS AND PLANTS

ONLY THE BEST VARIETIES SEND FOR OUR LIST Chicago Carnation Co. A. T. PYFER, Mgr. JOLIET, ILL.

THE AMERICAN CARNATION

PRICE \$3.50. Send for Sample Pages A. T. DE LA MARE PTG. & PUB. CO. Ltd., 2 to 8 Duane Street, New York.

ROOTED CARNATION CUTTINGS Ready for Immediate Delivery

Table listing carnation varieties like Enchantress, Mrs. T. W. Lawson, Boston Market, Rose Pink Enchantress, White Perfection, Victory, White Enchantress, Aristocrat, Winsor, Beacon with prices per 100 and 1000.

CHRYSANTHEMUMS

Table listing chrysanthemum varieties like W. H. Chadwick, White Bountiful, October Frost, Estelle, Clementine Tanset, Jeanne Nonin with prices per 100 and 1000.

A. F. LONGREN Satisfaction Guaranteed Desplains, Ill.

CARNATIONS. GERANIUMS. ROOTED CUTTINGS

Table listing carnation and geranium varieties like Winsor and Beacon, Pink Imperial, Aristocrat, Enchantress, J. Haines, White Perfection, Victory, Pink Patten, Lawson with prices per 1000.

ALBERT M. HERR, ASPARAGUS Plumosus, ready for three inch now at \$20.00 per 1000, ASPARAGUS Sprengeri and SMILAX ready June 1st, at \$15.00 per 1000. - - - Lancaster, Pa.

Rooted Carnation Cuttings

CUTTINGS are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock. WHITE: WHITE PERFECTION \$3.00 \$25.00, WHITE LAWSON 2.00 18.00, QUEEN LOUISE 2.00 18.00. PINK: WINSOR 6.00 50.00, ARISTOCRAT 6.00 50.00, ROSE PINK ENCHANTRESS 3.50 30.00, ENCHANTRESS 2.50 20.00, LAWSON 2.00 18.00. RED: BEACON 6.00 50.00, VICTORY 3.00 25.00. VARIEGATED: MRS. PATTEN 2.50 20.00. Add \$1.00 per 100, \$10.00 per 1000, to above prices for 2-in. pot plants.

J. E. SAMBROOK & CO. Berlin, Rens. Co., N. Y.

CARNATIONS

From sand April 1st. Net per 100: 600 Queen \$1.75, 250 Harlowarden 1.75, 1200 Genevieve Lord 1.75. From 2 1/4-inch pots early in April. 1800 Genevieve Lord 2.00 (\$80 ready now). 400 Aristocrat 6.00, 3000 The Queen 2.00, 500 Harlowarden 2.00, 900 Prosperity 2.00. THE H. WEBER & SONS CO., Oakland, Md.

Jensen & Dekema CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO. Split Carnations Easily, nicely and quickly mended; no tools required, with Pillsbury's Carnation Staple. Send 50c. for sample 1000. Try them; if not perfectly satisfactory, return them and your money will be refunded. I. L. PILLSBURY, Galesburg, Ill.

CARNATIONS

White Enchantress, Beacon, Winsor Now Ready. Strong rooted cuttings. \$6.00 per 100, \$50.00 per 1000. S. S. SKIDELSKY 1741 No. 18th St., PHILADELPHIA

CARNATIONS

2000 Victoria, out of soil, \$8.00 \$75.00, 2000 Enchantress, out of soil, 2.00 15.00, 300 Victory, out of soil, 1.50, 100 Robert Craig, out of soil, 1.50, 150 Aristocrat, out of soil, 3.00, 1000 Rose Enchantress, out of soil, from sand, 2.00 15.00. QUIDNICK GREENHOUSES, Quidnick, R. I. Anthony P. O. J. H. Cushing, Prop.

CARNATIONS

25000 Winsor \$5.00 \$50.00, 25000 White Enchantress 6.00 50.00, 10000 Enchantress 2.50 20.00. IMMEDIATE DELIVERY. Splendid stock Satisfaction guaranteed. Other varieties on application. WHITE BROS., GASPORT, N. Y.

When Writing Please Mention THE FLORISTS' EXCHANGE.

A. L. YOUNG & CO.

WHOLESALE FLORISTS 54 WEST 28th STREET, NEW YORK Telephone: 3559 Madison Square CONSIGNMENTS OF CHOICE CUT FLOWERS SOLICITED. PROMPT PAYMENTS. GIVE US A TRIAL

REVIEW OF THE MARKET

NEW YORK.—The cut flower market on Monday opened up a little brighter than has been the rule, and, of course, an effort toward advancing prices was in order. This was also the condition on the day following, and as supplies were not particularly heavy, some people even going so far as to say that rose growers were already beginning to hold back a little of the stock, values were sustained better than has been possible for many weeks. American Beauty roses were pushed to 25c each in a few isolated cases, and for small lots 30c, was realized. The best Bride and Bridesmaid and similar varieties were advanced to 8c each, and while some were sold at 6c, still a fair percentage brought the higher mentioned figure. Carnations also were advanced slightly, but for lilies no raise was possible, as there were too many in the market.

The supplies of Narcissus poeticus and the yellow varieties continue quite heavy, but Paper White are tapering off considerably. The receipts of sweet peas are heavy, and the quality superb. Lilies are in heavy supply, as also are daisies of the white varieties; the yellow ones do not seem to be very plentiful. There is a nice supply of orchids coming in to meet the Easter trade, and there will be plenty of violets also.

Everybody is wondering and asking what kind of an Easter it is to be. The business the last two or three months has been so erratic that it is utterly impossible to form any opinion of the Easter trade at the present time. By Sunday noon we shall know—and not until then.

CHICAGO.—The near approach of Easter is having some effect on the market during the opening half of the week. Shipping trade is quite brisk, particularly in orders for lilies destined for distant points. The warm weather prevailing will delay the shipping of more perishable stock until the last moment. Appearance denote plenty of stock in all lines for the holiday trade, with a great predominance of white flowers. Carnations are plentiful in white varieties, but colored sorts will run short if there is a heavy demand for them. Roses are very plentiful, and of excellent quality. Long-stemmed American Beauty are rather more abundant than could be wished by growers, consequently fancy prices are not forthcoming except for unusually fine selections. Bride, Bridesmaid, Richmond, Killarney and other teas are in excellent crop, and prices have strengthened somewhat with the opening of the Easter season. Bulbous stock is over plentiful. Tulips show the effect of the warm weather, and potted and panned stock presents rather a pitiful appearance. Emperor narcissus is in grand condition, but moves slowly, outside grower stock proving too much of a competition. Lilies are abundant, and must be fine indeed to bring better than maximum quoted prices which seem to be top notch for local trade. Callas are in excellent demand, and are not so plentiful as last week. Violets are poor, and do not command much. New York shipments arriving in very unsalable condition, and local supplies being nothing to boast of as regards quality. Orchids are somewhat scarce. Lily of the valley moves fairly well, and seems always to be in good supply. Quantities of Southern lily are arriving, most of it prematurely out and lacking perfume. Sweet peas continue in good demand, and are taken very generally in preference to violets. I. H. P.

BOSTON.—Business has been fairly good for some time back and prices are a little stiffer. Roses never were better in this market than now and the chances are that fairly good prices will be realized for the Easter trade. There are exceptionally fine grades of Richmond, Killarney and Mme. Abel Chateaux. Carnations are very good; there is likely to be a heavy demand for the yellow and white sorts. Lilies being about the same old prices. Lily of the valley is of good quality. There is an abundance of bulbous stock of all kinds. Violets are still in demand, and have become scarce. Sweet peas are plentiful and of extra fine quality. The outlook for a good holiday trade is bright. J. W. D.

INDIANAPOLIS, IND.—If an abundance of well-grown flowers and general preparations for Easter are met by the public in the spirit of other years this holiday will disappoint no one. Much that was intended for this week has been forced upon the market prematurely at a low figure, but enough remains for all. Funeral work and decorating are well abreast of last season, counter trade is misleading and often disappoints the best laid plans. Prices on bulbous stock will be lower this year. The greenhouse supply is augmented by thousands of outdoor blossoms at \$1.50 to \$3 a hundred. Sweet peas will, to a large extent, supplant the customary flowers for the corsage; 50c to \$1 a hundred is the wholesale price. Carnations are in abundant supply at \$3 to \$5 a hundred. Despite the many unfavorable Easter lily reports there are now available many hundreds at \$12.50.

Easter is always well supplied with roses. A few of the choicer varieties, such as Killarney and Richmond, bring advanced prices. American Beauty are in fine condition at \$5 to \$10 per hundred. Tomlinson Hall Market is well prepared for the general public with thousands of lilies, spireas, tulips, azaleas, and roses; business there has been quiet lately. I. R.

ST. LOUIS.—There were no exciting developments in the cut flower line the past week. There was considerable funeral work which used up everything in the cheaper grades of cut flowers. The market was loaded down with plenty of extra good stock all week, and the wholesaler had his trouble to dispose of his consignments at cheap prices, or dump them. Roses and carnations were in abundance, also callas and other bulbous stock.

It is as yet too early to say just how things are going to turn out for Easter or how stock is going to be at the commission houses, but from a talk with the wholesalers, prices will run about as follows: American Beauty, fancy, \$1 to \$6 per dozen; other grades, \$1 to \$3, and shorts, 50c to 75c per dozen; other roses from \$6 to \$10 per 100. Carnations, \$3 to \$4 for fancy, and \$1 to \$2 for next choice. Lilies, \$10 to \$12.50 per 100. Bulbous stock will run in price about as usual. Violets will be scarce, as it is getting too late in the season for them. Smilax, asparagus and other greens will be as usual. ST. PATRICK.

FELTHOUSE'S GERANIUMS

None better, if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$18.00 per 1000. Beaute Poitevine, S. A. Nutt, La Favorite, John Doyle, Richard Brett, Ricard, Bruanti, General Grant, M. Canovas, Jean Vuud, Pasteurian, Lundy and several others. FUCHSIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100. HELIOTROPE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100. COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000. AGERATUM, Stella Gurney, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100. PERIWINKLE, 2 in., \$2.00; fine 4 in., \$6.00 per 100. LOBELIA, 2 in. ALYSSUM, Carpet of Snow and others, 2 in., \$2.00 per 100. ENGLISH IVY, R. C. strong, \$2.00 per 100. FEVERFEW, 2 in. strong, \$2.00 per 100. Cash with order.

J. E. FELTHOUSE Schenectady, N. Y.

ROOTED CUTTINGS

Prepaid per 100. Heliotrope blue; German Ivy, 75c. Alternanthera best red and yellow, also Paronychoides Major, 50c. \$4.50 per 1000. Fuchsia, five finest kinds, \$1.00, \$3.00 per 1000. Double Alyssum, 85c. Ageratum, Gurney and Pauline, Galena, best bedders Salvia, Bonfire and Splendens, 85c. Verbena Seedlings Mammoth Mixed, 35c. per 100, \$3.00 per 1000. Cash. Shippensburg Floral Co., Shippensburg, Pa.

GERANIUMS and HELIOTROPE

Geraniums—S. A. Nutt, John Doyle, La Favorite, Jean Vuud, Frances Perkins, 2 1/2 in. pots, \$2.00 per 100. Heliotrope—Chiffon and Queen of Violets 2 1/2 in. pots, \$2.00 per 100. Cash with order. General list of plants will appear next week. W. J. CHINNICK, Trenton, N. J.

FIRMS WHO ARE BUILDING.

Items for insertion under this heading are respectfully solicited from our subscribers. They are published free of charge.

ACUBURN, ME.—An addition is being built to Roak's greenhouses on High street.

NORTH WOBURN, MASS.—Adm. Foster, 848 Main street, is to build extensions to the two new greenhouses that he erected last Winter.

DANIELSON, CONN.—Franklin & Crosby's new greenhouse is completed, and was opened to the public on Saturday, April 11.

ANSONIA, CONN.—J. W. Willis has been making several improvements and changes at his greenhouse plant, which now embraces 10,000 square feet of glass.

CHANGES IN BUSINESS.

The Florists' Exchange will be pleased to publish under this heading all changes occurring in the addresses of firms connected with the trade, as well as notices of concerns or individuals just starting in business. All such items are inserted free of charge.

KASLO, B. C.—C. T. Elle, a nurseryman of wide experience in Oregon and Washington, will start a nursery here.

APPLETON, WIS.—Charles H. Johannsen has given up his florist business here and returned to Fond-du-Lac, Wis.

AMHERST, MASS.—M. B. Kingman will move his florist's establishment from Amy street to the store in Hunt's block recently occupied by Mrs. D. O. Spear.

LOWVILLE, N. Y.—William R. Keay has removed his greenhouse to the Scott place, where he will have the use of the spacious greenhouses, with entrance from Easton street, and will continue the business which he established in his previous location. The increased space will permit of handling a greater variety of stock.

PORTLAND, ORE.—James Forbes, the well-known florist, who was absent from the city for about a year, has again associated himself in business with Mr. Martin, under the firm name of Martin & Forbes Company. As of yore, Mr. Forbes will take personal charge of the store at 317 Washington street. The firm has been incorporated with paid-up capital of \$50,000. The greenhouse plant is at Mt. Tabor.

MAMMOTH VERBENAS

Large plants from soil, 60c. per 100, by mail; \$1.00 per 1000, by express; 2 in. pots, strong plants, coming in bud, \$1.50 per 100, \$12.00 per 1000.

PANSIES, Giant Trimardeau, finest mixed, transplanted plants, 50c. per 100; \$3.00 per 1000. PANSIES, extra large plants, in bud and bloom, \$1.00 per 100, \$8.00 per 1000.

SALVIA Splendens, from soil, 75c. per 100. GERANIUMS, in bud and bloom, 4 in., Nutt, Double Grant, Poitevine, Vuud, Jauin and White, \$6.00 per 100. 15-16 Gray Ave. HILL TOP GREENHOUSES, UTICA, N. Y.

PANSY PLANTS

Of my largest flowering mixture of show varieties, unsurpassed quality. Strong plants, out of cold-frame, will bloom by May 1, \$2.00 per 1000; 5000 lots, \$2.50 per 1000. Fine transplanted blooming plants, \$1.25 per 100, \$10.00 per 1000; 500 at 1000 rate.

BELLIS (daisies), in red and white, \$2.00 per 1000.

GUSTAV PITZONKA, Bristol, Pa.

ALTERNANTHERAS

Strong rooted cuttings, red and yellow, 50c. per 100, or \$4.00 per 1000. Brilliantissima, 60c. per 100, or \$5.00 per 1000.

DAVIS BROS., Morrison, Ill.

PANSIES

Giant flowering, none better, \$2.50 per 1000. DAISSIES, Bellis, in bloom, \$1.25 per 100; \$10.00 per 1000. Plants that will bloom soon, \$2.50 per 1000. Stocks, Verbenas, Salvias, Dusty Miller, Alyssum, single and double, fine plants, out of 2 1/2 in. pots, \$2.00 per 100; \$15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Chicago.

The Week's News.

With the opening of the week Easter business began to assert itself. On Monday night some heavy shipments of lilies were made to extreme Southern points, and long distance orders were freely booked, both Monday and Tuesday. Retailers' windows very generally proclaim the fact that Easter is at hand. Potted lilies, pots and pans of hyacinths, tulips, and other Spring flowers, with ornate coverings, are to be seen everywhere. Beyond a few azaleas here and there flowering plants are not conspicuous, and decorative plants do not appear to figure much in the Easter display. Several of the large stores have taken on a holiday appearance, banks of lilies being seen here and there in the windows.

The Health Department of Chicago, in a pamphlet issued on Monday, advocates gardening, both as a healthful and a profitable employment. All citizens are urged to clean up their yards and plant either vegetables or flowers.

The Chicago Florists' Club at its next meeting will take up the matter of holding a picnic or other outing during the Summer. Members are expected to give the matter some thought, and be ready at the meeting with suggestions, all of which will receive consideration.

Albert Fuels, formerly well known in the florist business, leaves April 29 for Germany and will take part in the fencing competition of the Hundsturnfest in July for the amateur championship. Mr. Fuels is now in the real estate business and has erected some fine villas surrounded by unique gardening effects.

Bassett & Washburn are receiving a fine cut of long-stemmed American Beauty roses from their Hinsdale greenhouses; the receipts this week are averaging a thousand a day.

Weiland & Kisch have commenced the construction of their six new 350-foot greenhouses, and expect to have them completed by July 1.

The A. L. Randall Company is receiving daily shipments of small yellow chrysanthemums.

Harry C. Rowe is temporarily extending his store for Easter requirements, by taking in a reading room of the Palmer House.

Fine sweet peas continue to be a specialty at the store of the J. B. Deamud Company. A quantity of Southern lilac is also being handled this week.

Emil Schloss of the Schloss Brothers ribbon house, New York, was a recent visitor.

Albert T. Hey, Springfield, Ill., is a visitor this week. J. H. PEPPER.

GERANIUMS

S. A. Nutt, John Doyle, A. Ricard, Buchner, Castellane, Jean Vuud, Beaute Poitevine, 2 in. pots, \$18.00 per 1000; 3 in. pots, \$3.00 per 100; 4 in. pots, \$5.00 per 100.

COLEUS

Golden Bedder, Crimson Verschaffeltii and fifteen other varieties, R. C., 60c. per 100; \$5.00 per 1000.

AGERATUM, Stella Gurney ..\$0.50 \$1.00 SALVIA Bonfire .. 1.00 2.00 SWEET ALYSSUM .. 1.00 2.00 HELIOTROPE, dark .. .75 2.00 FUCHSIAS .. .75 2.00

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

GERANIUMS

Rooted cuttings. TREGO, CASTELLANE, VIAUD, CHARLOTTE, DOYLE, RICARD, POITEVINE, \$1.50 per 100; \$12.00 per 1000. BUCHNER, MONTMORT, PERKINS, \$1.25 per 100; \$10.00 per 1000. S. A. NUTT, \$1.00 per 1000.

Cash with order.

PETER BROWN, Lancaster, Pa.

GERANIUMS

In bloom for Easter. 4 in. pots, \$1.00 per doz.; \$6.00 per 100. Cash please.

Henry Eichholz, Waynesboro, Pa.

April 18, 1908

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Cut Flowers
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PHONES. 1664--1665 MADISON SQUARE
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Correspondence with shippers of first-class stock invited.
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Telephones: 4626-4627 Madison Square Established 1891

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WHOLESALE FLORIST
AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street NEW YORK

Wholesale Prices of Cut Flowers, New York, April 15, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special.....	20.00 to 25.00	Carnations	Inf'r grades, all colors.....	.75 to 1.00
	" extra.....	8.00 to 15.00	STANDARD White.....	White.....	1.00 to 2.00
	" No. 1.....	6.00 to 8.00	" Pink.....	Pink.....	1.00 to 2.00
	" No 2.....	5.00 to 6.00	" Red.....	Red.....	1.00 to 2.00
	" No 3.....	1.00 to 3.00	" Yel. & Var.....	Yel. & Var.....	1.00 to 2.00
	Bride, Maid fancy-special.....	5.00 to 8.00	*FANCY- (The highest grade of standard var)	White.....	2.00 to 2.50
	" extra.....	3.00 to 4.00	" Pink.....	Pink.....	2.00 to 2.50
	" No. 1.....	2.00 to 3.00	" Red.....	Red.....	2.00 to 2.50
	" No. 2.....	1.00 to 1.50	" Yel. & Var.....	Yel. & Var.....	2.00 to 2.50
	Golden Gate.....	1.00 to 8.00	(NOVELTIES)		
	RICHMOND.....	1.00 to 10.00	GARDENIAS, per doz.....	1.00 to 3.00	
	Mme Abel Chatenay.....	1.00 to 8.00	LILAC, per bunch.....	.50 to .63	
	ADIANTUM.....	.50 to .75	LILIES.....	4.00 to 8.00	
	CROWNEANUM.....	1.00 to 1.50	LILY OF THE VALLEY.....	1.00 to 2.50	
	ASPARAGUS.....	25.00 to 50.00	MIQNONETTE.....	3.00 to 6.00	
	Plumosus, bunches.....	15.00 to 25.00	NARCISSUS (Paper White).....	1.00 to 1.25	
	Sprengerl, bunches.....	15.00 to 25.00	Yellow.....	.50 to 1.25	
	CALLAS.....	6.00 to 8.00	POETICUS.....	.50 to 1.00	
	CATTLEYS.....	40.00 to 50.00	SMILAX.....	8.00 to 15.00	
	CYRIPEDIUM.....	5.00 to 8.00	VIOLETS.....	.25 to .40	
	DAISIES.....	2.00 to 3.00	CORNFLOWERS.....	to 1.50	
	FREESIA, per bunch.....	.10 to .20	HYACINTHS, Roman.....	.50 to 1.00	
			SWEET PEAS (per doz, bunches).....	.75 to 1.50	
			TULIPS.....	1.00 to 2.00	

WALTER F. SHERIDAN
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CUT FLOWERS AT WHOLESALE

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Cincinnati.
News and Trade Notes.
General business is still quiet, with clean-up sales on Friday and Saturday. The outlook for Easter is good; prices will not be prohibitive and stock of all kinds will be in abundance. The only trouble will be that all the sales will be hunched into about two days, but after what we have been up against for the past few weeks, we shall all be pleased to take off our coats and work.
The Jabez-Elliott Flower Market was quite active on Saturday last.
Park Superintendent Rodgers is certainly having all he can do this Spring; with the new park extension, grading, making streets, and thousands of other details he is a busy man.
Charles Dietrick, of Maysville, Ky., and Charles Wertz, of Wilmington, O., were callers.
At the present time our Kentucky friends are sleeping with one eye open, especially those who grow tobacco. Night riders seem to have the whole State bluffed.
Miss Cronan, a florist at Covington, Ky., had a call from burglars on the 9th, but her little watch dog gave the alarm and scared them away.
L. E. Benson, Newport, Ky., has just returned from a trip to Oklahoma City. He speaks very highly of that city and we would not be surprised to see him leave Newport after the Spring business is over.
One of the sons of the late J. P. Ernstshoff, florist, Newport, Ky., died last week. E. G. GITTLE.

POUGHKEEPSIE, N. Y. The Seligman Flower Shop is distributing cut flowers for invitations in the form of a "Flower" card.

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 DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS
 Inside Chicago Market Quotations
 A complete line of Florists' Supplies, catalogue free. Manufacturers of Wire Designs
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 Send us your Orders for delivery in the Northwest, which will have our best attention.
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 Roses and Carnations WHOLESALE
 A Specialty GROWER of **CUT FLOWERS**

Wholesale Prices of Cut Flowers, Chicago, April 15th, 1908

Prices quoted are by the hundred unless otherwise noted

ROSES			CARNATIONS		
American Beauty			STANDARD VARIETIES		
36-inch stems.....per doz.	3.00 to 4.00	White.....	1.00 to 3.00		
30-inch stems....."	2.00 to 3.00	Pink.....	1.00 to 3.00		
24-inch stems....."	1.50 to 2.00	Red.....	1.50 to 3.00		
20-inch stems....."	.... to 1.50	Yellow & var.....	1.00 to 3.00	
18-inch stems....."	.... to 1.25	*FANCY	2.00 to 4.00	
12-inch stems....."	.... to .75	* The highest grades of Sta'd varieties.	2.00 to 4.00	
8-inch stems and shorts "	.... to .50	White.....	2.00 to 5.00	
Bride Maid, fancy special.....	6.00 to 10.00	Red.....	2.00 to 5.00		
" extra.....	.... to 5.00	Yellow & var.....	2.00 to 4.00	
" No. 1.....	3.00 to 4.00	NOVELTIES	.... to	
" No. 2.....	1.00 to 2.00	LILAC, white, per bunch.....	.... to 1.00	
Golden Gate.....	3.00 to 10.00	LILIES, Harrisll.....	8.00 to 12.50		
Uncle John.....	2.00 to 10.00	CALLAS..... per doz.....	1.00 to 1.50		
Liberty.....	3.00 to 10.00	SMLAX.....	10.00 to 12.00		
Richmond.....	8.00 to 15.00	LILY OF THE VALLEY.....	1.00 to 3.00		
Killarney.....	2.00 to 8.00	HARDY FERNS per 1000.....	.... to 2.00	
" extra.....	10.00 to 15.00	GALAX (green).....	.... to 1.00	
Perle.....	3.00 to 8.00	" (bronze).....	.... to 1.00	
Chatenay.....	3.00 to 8.00	MIGNONETTE.....	1.00 to 3.00		
K. A. Victoria.....	3.00 to 8.00	VIOLETS, double New York.....	.20 to .30		
Mrs. Marshall Field.....	.... to	" local double.....	.30 to .40	
ADIANTHUM.....	1.00 to 1.50	" single.....	.... to .40	
ASPARAGUS, Plum & Ten.....	.35 to .50	NARCISSESS.....	1.00 to 1.50		
" Sprengerl, bunches.....	.35 to .50	" SWEET PEAS.....	1.50 to 2.00		
Orchids—Cattleyas.....	40.00 to 50.00	TULIPS.....	.30 to 1.25		
CYPRIPEDIUM.....	.... to	" 	1.00 to 3.00	
" .....	.... to ....	" .....	.... to
" .....	.... to ....	" .....	.... to
" .....	.... to ....	" .....	.... to

Pittsburg.
 Trade and News Notes.

Another quiet week has passed. A little business was done Saturday in the cut flower line for Palm Sunday celebration in the churches, but the plant market suffered considerably on account of the unfavorable weather. Cut stock is plentiful, particularly bulbous flowers and lilies; both are too cheap. The demand for Easter is rather uncertain, but likely, as usual, everyone will stock up and take chances. Regular Easter prices will prevail on most stock. Lilies seem to be abundant and will range from 10c upward. Blooming plants are more plentiful than last year; the stock is in better condition, particularly azaleas. Dutch hyacinths are not bought so readily, although they are offered cheap enough.

John Bader has rented a store room on Diamond street for the sale of plants and will likely continue it for the season. His stock this year is very good and well assorted. Azaleas are better than he ever before had them. Mr. Bader's sales the past two weeks are excellent and ahead of last year's.

W. E. Azne, formerly in the East End market, has stocked up a store room on Penn avenue, E. E., with fine blooming plants for Easter trade.

Breidenstein & Flemm, who moved April 1 to Liberty street, have remodeled the building and expect to be ready for business Easter week.

Club Meeting.
 The April meeting of the Florists' Club was held in the large store room of the Pittsburg Cut Flower Company on Oliver avenue, as our regular meeting place was thought too small for the exhibition of plants. The meeting was well attended. President E. Burki not being very well was not present, and the

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 Nos. 19-21 RANDOLPH ST., CHICAGO

The next meeting in May "Bedding Plants" will be the subject.
 The Botanical Society of Western Pennsylvania met last week and the features of the meeting were talks on "History of Botany in Western Pennsylvania," with a general discussion; and a "Study of our Native Trilliums."

Philadelphia.
News Gittings.
 M. C. Dunn of the Philadelphia Floral Store, 618 Chestnut street, is filling an order for St. Mary's Church, Fourth above Spruce street, for Easter decorations. This is the usual order which he has been filling every year for the past thirty years for the same church.

The cut flower market is very uncertain and the wholesalers are careful in making future prices. All the stores are preparing for a big business and laying in a large supply of plants. The general opinion is that the Easter trade will equal last year's, and some look for an increase.

S. S. Penneck-Meehan Company have a splendid stock of cut flowers at present and are kept busy these days. Sweet peas are extra fine, as are their American Beauty roses. Some very fine Ulrich Brunner roses were also seen here. This firm has excellent facilities for shipping stock, and goods are bound to arrive in splendid condition when packed by their up-to-date methods.

John Jensen, 2840 Lancaster avenue, is ready for Easter with a large number of potted plants of all kinds; he is looking forward to a good business. Mr. Jensen is one of the progressive florists of West Philadelphia.

H. Bayersdorfer & Company have an unusual demand for waterproof crepe-paper for pot covers, of which they have a splendid assortment. They are also getting large orders for plant baskets and azalea pot covers of the highest grade. The demand for air pants shows no sign of letting up. Their Memorial Day display of metal wreaths is large and they predict that they will be in great demand. Another novelty which they show is made-up baskets and set pieces fitted with electric lamps for table decoration, etc.

Wm. K. Fluck, 4407 Cherry street, is making a specialty of air brush signs and price tickets for the local flower shops, and is getting a large share of the work being done in this city.

Myers & Company will build a greenhouse, 5x116 feet, on the grounds of Ravenwood, the country home of Mrs. Frederick C. Penfield, on School lane, Germantown, Pa. The cost will be \$75,000. P. M. R.

DAYTON, O. At the last meeting of the Dayton Florists' Club, George W. Bartholomew, the retiring president, was given a vote of thanks for his services on behalf of the club, and as a token of appreciation was presented with a handsome framed picture. The growing of azaleas was the principal topic of discussion. After the meeting J. E. Young and wife took the members to see a moving picture show.

PROVIDENCE, R. I. An early morning fire on April 4 in a greenhouse on the location of J. D. Clark at 185 Tock street, did considerable damage to buildings and stock. The loss is probably covered by insurance.

writer as vice-president presided. A few more were elected to membership, but none proposed. The subject for the evening was "Easter Plants" with a display of suitable stock. The Pittsburg Cut Flower Company showed plants they are handling from Dudley & Sons of Parkersburg, W. Va., very fine hydrangeas, Baby Rambler roses, spiraeas and lilies; also L. longilorum and giganteum from König of Etna—the best yet seen. The Schenley Park conservatories displayed calceolarias, genistas, hydrangeas, box elder var., spiraeas and cut blooms of yellow callas. The Finleyville Floral Company, Ltd., of Finleyville showed cut blooms of carnations Beacon, Aristocrat, Robert Craig, White Perfection and Lady Beautiful. Blind Brothers had hydrangeas, spiraeas, Baby Rambler roses, lilies, azaleas and hyacinths. John Bader staged fine azaleas. Mr. Madsen, gardener to R. Boggs of Sewickley, showed a fine plant of Salpiglossis Luteopur.

Mr. Meyers, Altoona, Pa., who was present at the meeting, spoke of the new Spiraea Queen Alexandra, which he is growing this season and thinks well of it. None of our growers have ordered it, as it is rather too high priced for commercial use. Mr. Bader, who saw it in the East last week, thought it might be all right if lower in price and also said that the bloom changes from pink to white as it grows older.

W. Clark was asked to tell about the rose show in Chicago, he being the only one who attended from our city. He stated that the display of blooms was magnificent, but the hall was not suitable. He also thought the public did not appreciate the show as they would have done had it been held in our city. There was not enough enthusiasm shown even by the growers.

A lively discussion on lilies followed, as to the best varieties to use, the dis-

Henry M. Robinson & Co.

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BRONZE GALAX, best quality \$8.50 case of 10,000.
GREEN GALAX, best quality \$7.50 case of 10,000.
DAGGER and **FANCY FERNS**, \$1.50 per 1,000.

Laurel Festooning, Boxwood, Sphagnum and Green Moss, Southern Wild Smilax Leucothoe Sprays, etc.



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Fine selected **FERNS**, Fancy or Dagger, \$1.25 per 1000. Good Ferns, \$1.00 per 1000. **Bronze Galax**, 10,000 lots, \$5.00. **Green Galax**, \$1.00 per 1000; 10,000 lots, \$7.50. **Wild Smilax**, 50 lb. cases, \$6.00. **Leucothoe Sprays**, Bronze or Green, 40c. per 100. **Ground Pine**, 5c. per lb. or 5c. per yd. Telegraph Office: New Salem, Mass. L. D. Phone Connections.

CROWL FERN CO., MILLINGTON, MASS.

HARDY CUT FERNS

FANCY and **DAGGER**, Extra fine, \$1.75 per 1000. **BRONZE** and **GREEN GALAX**, \$1.25 per 1000, \$7.50 per 10,000. **LEUCOTHOE SPRAYS**, \$1.00 per 100; \$7.50 per 1000. **SPHAGNUM MOSS**, extra large bales, per bale, \$1.25. **BOXWOOD**, per bunch, 35c.; 50 lbs., \$7.50. **FANCY** and **DAGGER FERN** our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

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A handy article for florists. Sells to the trade on sight. Made of glass in three sizes.
 The "Anglais" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

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WHY? Because many debtors will pay the board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

HARDY CUT FERNS

Fancy or Dagger, \$1.00 per 1000. Good quality. Twenty years' experience.

THOMAS COLLINS, HINSDALE, MASS.

PREPARED PALMS AND PALM LEAVES

In all varieties!
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SOUTHERN WILD SMILAX
BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS
E. A. BEAVEN, Evergreen, Ala.
VIOLET CULTURE
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Baltimore.

Trade Notes.
 The prospects for a good cut flower business for Easter week are anything but bright. There is hope, however, that the potted plant trade will make up the deficiency. Several extremely warm days have brought fruit and ornamental trees into flower.
 The national sculpture exhibition has been a great attraction, and thousands of visitors are attending it. The decorations are practically limited to hardy evergreens and hundreds of palms and other exotics. Great quantities of cedar, laurel, kalmia and spruce were used in covering the 16 blocks between the promenade paths. The green effect, statuary, bronzes and general floor arrangements have been pronounced by visiting sculptors as superior to any exhibition of a like character ever held by the National Sculpture Society. M. Jusserand, the French Ambassador, took occasion to especially praise the work of E. A. Seidowitz and Charles L. Seybold in bringing about such an exquisite green effect in their style of decoration of an Italian Garden parterre. The Gardeners' Club did not exhibit any blooming plants, but several members, together with the park department, furnished palms and other plants in great numbers.
 The show opened with a banquet which was held in the center of the hall among the equestrian statuary. S.

Washington, D. C.

The Club Banquet.

The Florists' Club of Washington held its annual banquet on the evening of April 7 at Freund's banquet hall. The occasion was one of good fellowship and was largely attended. Retiring President Bisset, whose official duties had made him so prominent and popular, introduced the new president, Fred. H. Kramer, to the assembly. Jos. R. Freeman acted as toastmaster. Wm. E. Gude presented Mr. Bisset with a sterling silver fruit dish in recognition of his efficient service. In making the presentation Mr. Gude said: "You will notice it is for fruit and sweet things. May it ever be filled to overflowing with the sweet things of life, which you so well deserve because of the loving kindness of your life and the fruits of your labors so admirably performed. You will notice further that it is sterling. That is emblematic of the sterling thought you have given this organization and its members, the sterling good wishes, the sterling appreciation, and the undying good will of your fellow-florists."
 Mr. Bisset thanked the donors and wished the club continued success. Among others who spoke were: Vice-President Robertson, Z. D. Blackstone, George Shaffer, Adolph Gude, George Cook, Charles McCauley, and several others.
 Professor Charlamagne Koehler entertained the club with his humorous recitations and fun and was elected to honorary membership in the club. The hall was magnificently decorated with various kinds of cut flowers and growing plants and an orchestra furnished music throughout the evening.

Ever Ready Covers

Made of Waterproof Crepe Paper on a cardboard frame, tied neatly with wood fiber ribbon. Send 30-cents in stamps and we will send you covers that will fit a 6-inch stand and pot, a 7-inch azalea pot and an 8-inch pan, with our illustrated booklet and price list. W. H. Grever, Mgr., Ever Ready Flower Pot Cover Co., 146 Hughes Ave., Buffalo, N. Y.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50
 MANUFACTURED BY
W. J. COWEE, BERLIN, N. Y.
 Samples free. For sale by dealers.

Southern Wild Smilax

Now Read
 Write, Wire or Telephone the Introducers
Caldwell The Woodsman Decorating Co
 EVERGREEN, ALABAMA

Fruit trees are in full blossom and indications point to a heavy yield. The local trade is awakening to a strenuous life and preparing for the Easter rush. Cool weather is favoring stock, and the quality should be quite good.
 JAS. L. CARRERY.

Detroit.

Trade and News Notes.

There are no apparent changes in the general business conditions hereabouts; still, we are looking forward to a prosperous Easter. This hope is somewhat justified by numerous bookings of Easter orders. The stores in general are beginning to prepare for the occasion, and good displays of Baby Rambler roses, lilies and azaleas are making.
 Fred. Schmidt, who had charge of Newberry's place in Grosse Pointe, has left there and will start a greenhouse plant near the Woodlawn cemetery. Thos. Evans of Marshalltown, Pa., has taken the place occupied by Mr. Schmidt.
 The City Service League, a child of the local Board of Commerce, has just been ushered into the world and is already most vigorously prosecuting its duty of beautifying Detroit. Recently the Detroit Opera House was crowded with men and women answering the invitation of this league. Several very prominent local speakers urged upon their hearers the need of improving the front and backyards of the city. To further enthrone the public all schools will give a half holiday April 24 for the purpose of cleaning up. The broad way in which this movement is conceived and the general enthusiasm prevalent assure good results for the citizens at large and the florists' pockets in particular. Prizes of \$75, \$50 and \$25 are offered for the best yards, and a special prize of \$50 for the district best in general appearance.
 The Park Board is showing a collection of some 2,000 calcicolarias in 6 and 7-inch pots which are justly admired by the public.
 FRANK DANZER.

Indianapolis.

News Items.

Harry Balsey is making his rounds after many months' absence. His firm in the meantime has been installing new machinery which will more than double the former capacity.
 The city Park Board has begun extensive improvements in the bedding department.
 Much sympathy is expressed for W. W. Coles of Kokomo, in the loss of his daughter, after a brief illness.
 Smith & Young Company are to dispose of their Stratford plant in the near future.
 S. A. Weller of Zanesville, O., was a visitor. I. B.

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.
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Pulverized. Free from all Adulteration
 In Bag, \$18.00 per Ton.
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Cattle Manure In Bags

Shredded & Pulverized
 Best and safest manure for florist and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
 The Pulverized Manure Co., 34 Union Stock Yards, Chicago

CHARLESTON, W. VA. One of the largest funerals this city has ever seen was that of the late Sam. W. Starks on April 7. Deceased was the Supreme Chancellor Commander K. of P. (colored) of the world, and practically every State in the Union was represented by a delegation of Grand Lodges at the funeral. The floral offerings of the different lodges and societies were numerous and some very beautiful designs were executed. J. W. Alexander and the Charleston Cut Flower & Plant Company handling the bulk of the business.

Trade has been only fair so far this season, but the outlook for a good Easter and Spring business is promising.

The Charleston Cut Flower & Plant Company intends to build one violet house, 10x70 feet this Spring, to be devoted to violet Governor Horrick, which variety is doing finely with this firm. The last two seasons the plants were in cold frames.

Rumor has it that J. W. Alexander intends tearing down his greenhouses and building a business block on his present location, corner Washington and Morris streets, but he will hold on to the stand by opening a cut flower store in a corner room. **LITTLE MOUNTAIN STATE.**

SOUTH MERIDEN, CONN.—J. W. Davis, of the well-known Davis Market Garden Company, formerly of West Hartford, has purchased the McKenzie place. Three or four large greenhouses will be built during the coming Summer in which vegetables will be raised under glass for Winter selling. Plans have already been completed for two of the houses, one 90 and the other 120 feet long. The other two will probably be built later in the year. One of the greenhouses will be used for growing violets and carnations.

SOMERVILLE, MASS.—Theodore E., son of Mr. and Mrs. Julius Horn, died on Saturday, April 11, 1908, aged 22 years. The elder Mr. Horn is gardener for the Shaw estate, and his many friends in the trade extend their sympathy to him in his sad bereavement.

SECOND HAND PIPE AND BOILER TUBES

From 1 in. up to 12 in., for sale at low rates.

We can supply you with any amount from 100 feet and up. As we are large dealers in pipes, and do our own threading, we can sell same cheaper than any other dealer.

Our price card will be sent anywhere upon request, send for one.

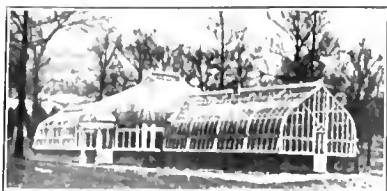
EAGLE METAL & SUPPLY CO.,
Johnson Av. & Broadway, BROOKLYN, N. Y.

Standard Flower Pots

Packed in small crates easy to handle.		Price per crate.	
1600 2 1/2	1207 1/2	\$4.85	\$4.20
1500 2 1/4	608	5.25	3.00
1500 2 1/4	HAND MADE		
1000 3	48 9 in. pots in crate,	5.00	4.80
800 3 1/2	24 11 "	5.80	3.60
500 4	24 12 "	4.50	4.80
320 5	12 13 "	4.51	4.80
144 6	6 16 "	3.16	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Rolker & Sons, Agts., 31 Barclay St., N. Y. City



CLIMSON AGRICULTURAL COLLEGE
A. and M. College of South Carolina
W. M. RIGGS, Director.

Dear Mr. Pearce: May 20, 1907. We have just received the larger Toby heater, and within a few days we will install this and return the smaller one to the J. L. Mott Iron Works. We are turning over to our treasurer for payment, the balance due you, which amounts to \$200.00.

In concluding this transaction, I desire to express to you my hearty appreciation of the excellence of your work, and the honesty and courtesy of your methods. We believe that we have one of the best greenhouses in the South, and any time that you need a good word, I hope you will not fail to call on us. Yours truly, W. M. RIGGS, Director

GEORGE PEARCE, - - Orange, N. J.



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Florist Specialties.

New Brand, New Style.

Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST

3/4 inch, per ft., 15 "

Reel of 500 ft., " 14 "

2 Reels, 1000 ft., " 14 "

1 1/2 inch, " 11 "

Reels, 500 ft., " 11 "

Couplings furnished.

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Write for catalogue and prices before placing your orders elsewhere.

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BY USING
Standard Greenhouse Boilers
One cent gets our catalog.
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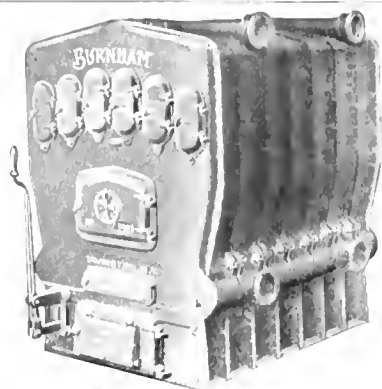


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THE WHILLDIN POTTERY COMPANY
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THE TRUTH ABOUT THEM

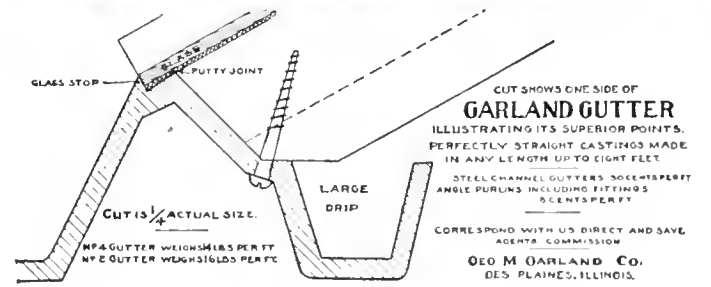
Bricking-in is costly it is just that much more added to the price of your boiler.

Brick bridge walls continually burn out, requiring frequent repairs in a most difficult place to reach. The bricked-in fire box boiler requires a derrick to set it.

Not so with "Burnham" Sectional Boilers. They are easy to handle, inexpensive to set and free from repairs, and their economy side not even mentioned. Then why buy a "brick-in"? "Burnham" made for hot water or steam. Burns hard or soft coal. Send for the new boiler catalog.

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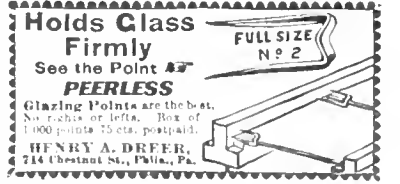
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If so
THE HOLLY STANDARD ELECTRIC CIRCULATOR will cure it instantly, perfectly and economically. Try it and prove it. Send for catalog to
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is best for all kinds of Tanks, Vats, and all kinds of Greenhouse work. It excels in durability. Ask your dealer for our stock and, if he hasn't got it, get him to write us, or write us yourself.
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PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.
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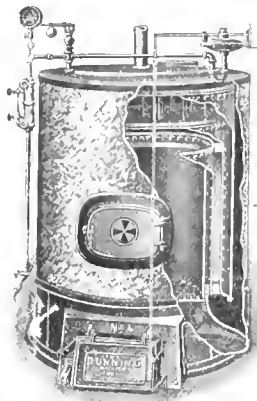
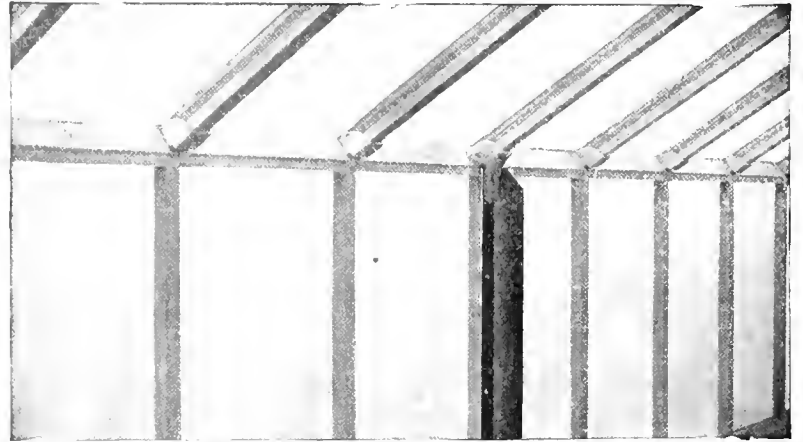
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New Dunning Boiler

Minimum Fuel Expense because the high crown sheet of the ample fire box insures intermingling of oxygen with coal gas and combustion of this mixture at high temperature.

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Wrought steel plates, long lapped and hot riveted. No Corners to deaden heat. No Flat surfaces for soot or sediment deposits. No Tubes to obstruct flame and impede water circulation. Easy to set up—Portable or Brick set—easy to operate, easy to pay fuel bills for. Guaranteed in every particular.

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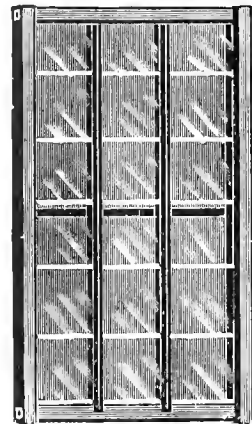
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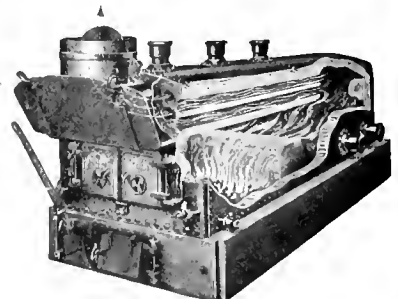
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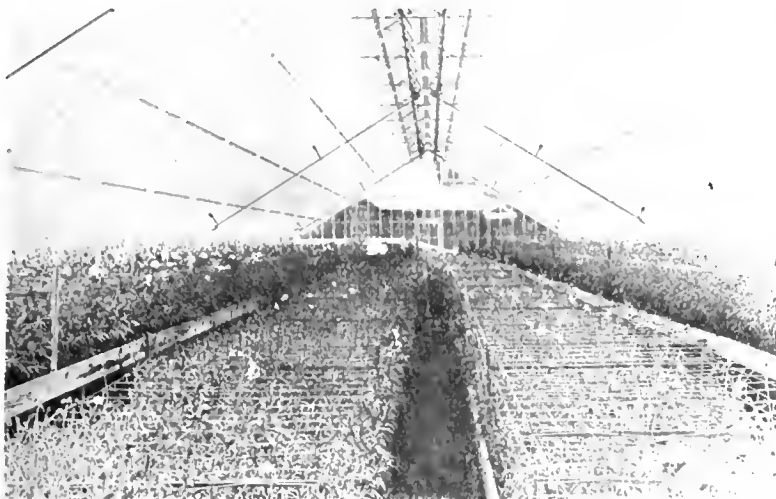
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HORTICULTURAL ARCHITECT AND BUILDER

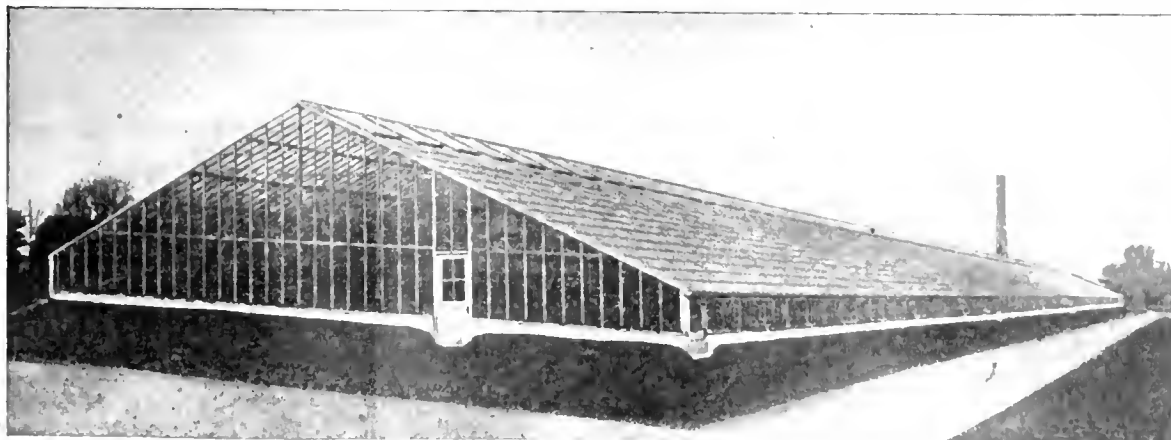
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Have not been established 50 years, but long enough to convince the wide-awake Florist and Gardener that it is to his interest to place his work in thoroughly practical hands.

(150,000 sq. ft. glass erected in 1907 will substantiate this claim.)

And why not? My material is the best that can be secured. My iron frame construction has every modern feature that years of practical experience can embody.

And then there is the cost to be considered. Why not let us take up this important question now?



We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.

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Stock, from 2 1/2 in. pots, 50c. per doz.; \$3.00 per 100: **Asparagus Sprengeri**, **Acalypha**, **Alyssum**, dwarf; **Abutilon Savitzkii**, **Bouvardia Humboldtii**, **Feverfew**, **Little Gem**, **Hellebore**, blue and white; **Fuchsias**, four varieties; **Gazanias**, **Lobelia**, **Emperor William**, **Cupheas**, **Petunias**, double varieties, variegated; **Ice Plants**, variegated; **Glechomas**; **Salvia**, **Bonfire** and **Zurich**, **Hydrangea Otakusa** and **Thomas Hogo**; **Ageratum**, **Princess Pauline**, **Blue Perfection**, **Imitabile**, **Rosemary**, variegated; **Periwinkle**, **Geraniums**, **Mrs. Parker**, **Moschosma Riparium**, **Impatiens Sultan** and **Holstii**, **Swainsona Alba**, white **Moonflower**, **Sadum Sieboldii**, **Saxifraga Sarmantosa**, **Parlor Ivy**, **Umbrella Plants**.

Carnations, strong, bushy plants, kept in cold frames, **Enchantress**, **Robert Craig**, **Elbon**, **Gov. Wolcott**, **Boston Market**, **Flora Hill**, **Joost**. Rooted cuttings of those varieties, from soil, \$2.00 per 100.

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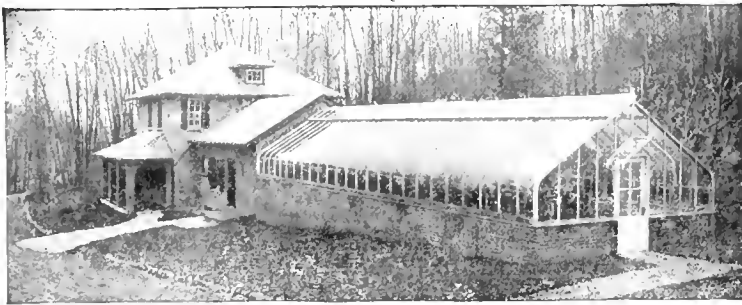
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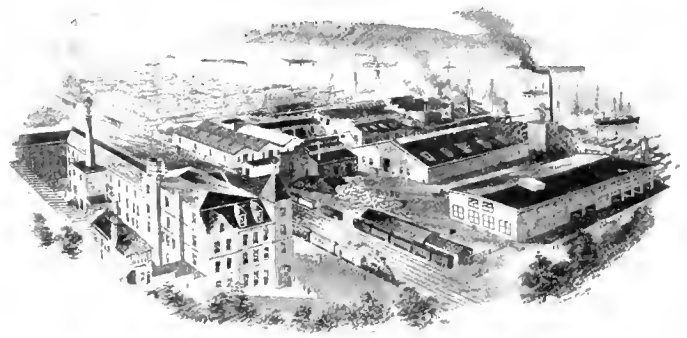
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This view will give you something of an idea of the extent of space and number of buildings necessary to carry on the complete manufacturing of greenhouses as we do. In those buildings at the left are located the offices, designing and layout rooms; just beyond, in the rear, is the sash factory, paint and putty grinding mills, and the immense store rooms. Downstairs, the ventilating machinery is made. Across the track is the wood working mill with thousands of feet of stock on hand; and here the wood is dipped in the priming tanks. That next building is the iron working factory, where the iron frame rafters are bent and punched; the sills drilled and joint faces ground, and the houses of special design given an experimental set-up, before shipping. The rest of the buildings come so thick and fast that it's hard to pick them out. There's the galvanizing plant, having one of the largest "kettles" in the country; the foundry, casting its tons of metal every day, turning out "Burnham" boilers and all our cast iron fittings; the fireproof storage sheds, while backing them all, are those millions of feet of air-drying cypress. Send for our catalogs.

We make every part of a greenhouse but the glass. We sell any part.

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We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXV. NO. 17

NEW YORK AND CHICAGO, APRIL 25, 1908

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A prominent carnation grower writes: "You seem to be THE ONLY FIRM IN THE BUSINESS THAT KNOWS HOW TO PACK STOCK AND HAVE IT REACH THE BUYER IN GOOD CONDITION, and I have always found your cuttings cheaper than the same varieties from others at much lower figures."

While our prices may not always be the cheapest, we certainly can give, quality considered, as good value as, if not better than, is obtainable anywhere.

WINSOR which we introduced last year has proven to be the finest novelty introduced in years. We think it is the most profitable variety grown to-day, considering its fine color, splendid keeping qualities, and productiveness. When properly grown, it leaves little to be desired, and almost everyone succeeds with it.

White Enchantress

the best all-round white carnation, on account of its large size, long stem, earliness, and productiveness. Our White Enchantress, exhibited at the Carnation Convention at Washington, was the only White Enchantress exhibited that received an award.

Strong-rooted cuttings, now ready for delivery, from sand, \$6.00 per 100, \$50.00 per 1000; from soil, \$7.50 per 100, \$60.00 per 1000.

Buyers will find transplanted stock offered from soil well worth the difference to price.

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We offer, also,


BEACON and RED CHIEF, from sand, \$6.00 per 100, \$50.00 per 1000; from soil, \$7.50 per 100, \$60.00 per 1000. Also

VICTORY, MELODY and WHITE PERFECTION, from sand, \$4.00 per 100, \$35.00 per 1000; from soil, \$6.00 per 100, \$45.00 per 1000.

VARIEGATED LAWSON, WHITE LAWSON and RED LAWSON, from sand, \$3.00 per 100, \$25.00 per 1000; from soil, \$4.00 per 100, \$35.00 per 1000.

We can supply, also,

WINONA and AFTERGLOW at \$12.00 per 100, \$100.00 per 1000.



Vaughan's Asparagus Plumosus Nanus

We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality.

Northern Greenhouse-Grown Seed.
Per 100 seeds, 60c.; 250 seeds \$1.25; 1000 seeds, \$4.00; 5000 seeds \$19.50; 10,000 seeds, \$37.50. Price for larger lots on application.

TUBEROSES

True Dwarf "EXCELSIOR" Strain.

Our stock of Excelsior Pearl has been bred up by many years of careful selection from bulbs producing the shortest stalks with full heads of double flowers. But two or three firms can supply this extra dwarf "Excelsior" strain. First size bulbs, 100 \$1.00 1000, \$9.00.

TUBEROUS BEGONIA

Single white, yellow, pink and scarlet 35c. per doz., \$2.50 per 100; single mixed 30c. per doz., \$2.25 per 100; double white, yellow, pink and scarlet 60c. per doz., \$4.50 per 100; double mixed 50c. per doz., \$4.00 per 100.

CALADIUMS—Elephant's Ears.

Sound bulbs. Live center shoots. Ten per cent. advance if shipped from our Chicago store.

Circumference	100	1000
7-9 inch	\$3.25	\$28.00
9-12 inch	5.50	50.00
12 inch and up	12.00	

Vaughan's Seed Store 14 BARCLAY ST. NEW YORK
CHICAGO, 84-86 Randolph Street, Greenhouses, Western Springs, Ill.



GRAFTED ROSES

In excellent condition, ready to ship
KILLARNEY, RICHMOND, LIBERTY, BRIDE, BRIDESMAID, KAISERIN and CARNOT

OWN ROOT STOCK of above varieties.....\$35.00 per 1000

Exceptionally fine large plants of
KAISERIN AUGUSTA VICTORIA
The best paying Summer Rose on the Market

W. H. ELLIOTT, Brighton, Mass.

GERANIUMS

A splendid stock of fine plants from 2 1/2 inch pots, good standard sorts and new varieties, \$2.00 per 100 and up to \$1.00 each. We will send 1000 in good varieties our selection for \$18.50.

NOVELTIES, 1907 introductions, from Bruant, Lemoine, Boncharlat and Cunnell, one each of 50 varieties our selection, including single and double, for \$5.00.

Our special descriptive Geranium catalogue describing over 200 varieties of Geraniums and Pelargoniums mailed free to the trade.

PELARGONIUMS in good variety, strong plants, 2 1/2 inch pots, \$1.50 per doz., \$6.00 per 100.

HARDY CHRYSANTHEMUMS Our collection of Hardy Chrysanthemums will compare favorably with any in the country and we have an immense stock ready for shipment. Small flowered or Button Variety, \$2.00 per 100; large flowered or Astoria varieties, \$3.00 per 100; description will be found in our wholesale list.

DAHLIA ROOTS We still have about 75 varieties. We can offer in Cactus, Decorative, Show and Pompon true to name at \$5.00 per 100 and up for whole field grown clumps. One thousand, 50 each of 20 varieties, our selection, for \$40.00, all good kinds, a splendid collection for planting or just the thing for store trade.

- ALYSSUM, Giant Double \$2.00
- AGERATUM, Stella Gurney \$2.00
- BEGONIA, Vernon, white and rose \$2.00
- BEGONIA, Gracilis, white and rose \$2.00
- BEGONIA, Rex, from 2 in. pots \$2.00
- CUPHEA, Cigar Plant \$2.00
- COLEUS, Verschaffeltii, Golden Bedder and other kinds \$2.00
- FICUS ELASTICA, Rubber plants, 4 in. \$2.00
- FUCHSIAS, Black Prince and Minnesota \$2.00
- FUCHSIAS, Lieutenant Muritz, White and Rose Phenomenal \$2.00
- HARDY ENGLISH IVY, Extra strong, \$15.00 per 1000
- HARDY PHLOX, Coquette, R. P. Struther, Bridesmaid, Barchant, La Vogue, La Not, Bomberg \$2.00
- HOLLYHOCKS, strong, 3-inch pot plants, double white, pink, red and yellow \$2.00
- IVY LEAVED GERANIUMS, 6 good kinds, \$25.00 per 1000
- LOBELIA, Crystal Palace Gem \$2.00
- LOBELIA, Kathleen Mallard, 2 in. \$2.00
- LAVENDER, 2 1/2-inch pots, strong \$2.00
- SWAINSONA, alba \$2.00
- SALVIA, Bonfire and Splendens \$2.00
- TRADESCANTIA, dark variegated \$2.00
- VERBENAS, red, white, purple and pink \$2.00
- WATER LILIES, Nymphaea Odorata Gigantea \$2.00

Visitors always welcome. Cash with order.
R. VINCENT, Jr. & SONS CO. WHITE MARSH MARYLAND



RUSTIC HANGING BASKETS

10 in. bowl..... Each \$1 10 Dozen \$11 00
 12 " " " 1 25 " 13 00
 14 " " " 1 50 " 16 00

CYPRESS PLANT TUBS

13 1/2 in. diameter, 11 1/2 high \$1 25 | 20 in. diameter, 18 high \$2 50
 14 " " 13 1/2 " 1 50 | 24 " " 20 " 3 50
 16 " " 15 1/2 " 2 00 | 28 " " 22 " 5 00

Sterilized Sheep Manure 100 lbs. \$1.50;
 \$22.50 a ton.
Wm. Elliott & Sons, 201 Fulton St., N. Y.

IF you want good **PRIMROSES** by Xmas, you must sow them now.

RAWSON'S GOLD MEDAL PRIMULAS

Are the Finest in the World.

We offer the following desirable colors: Pure White, Brilliant Pink, Deep Blue, Crimson, Salmon, Xmas Red, White with Red Eye

Also a splendid mixture of all colors.

100 Seeds 50c., 1000 Seeds \$4.00

RAWSON'S SEEDS ALWAYS GERMINATE

W. W. RAWSON & COMPANY

5 UNION STREET

BOSTON, MASS.



LANDRETHS' SEEDS

ONION SEED	RED WETHERSFIELD	LOW PRICES ON APPLICATION
	EXTRA EARLY RED FLAT DANVERS GLOBE STRASBURG YELLOW PRIZE TAKER	

BLOOMSDALE SEED FARMS, BRISTOL, PENNA.

ONION SETS

Chicago produces the best **ONION SETS** in the country and our this year is not only full but of the very highest quality. Write us for prices.

KNUD GUNDESTRUP

4273 MILWAUKEE AVENUE CHICAGO

LAWN GRASS SEED

Dickinsons, Evergreen, and Pine Tree Brands

SPECIAL MIXTURE SEED FOR GOLF GROUNDS

MINNEAPOLIS THE ALBERT DICKINSON CO. CHICAGO

Lilium Harrisii

The best grown. Absolutely pure stock. Free from disease. Apply at once to

George W. West, Shelly Bay, Bermuda

BAMBOO CANES

JAPANESE, tough and strong, 6 ft. long per 1000 \$5.50; per 2000 \$10.00; per 10 000 \$42.50
STUMPP & WALTER CO. 50 BARCLAY ST. NEW YORK

TUBEROSES

Excelsior Pearl 3x4 \$0.60 per 100, \$5.00 per 1000.
 4x6 1.00 " 9.00

STUMPP & WALTER CO. 50 BARCLAY ST. NEW YORK.

Per S. S. ADELAIDE

500,000 KENTIA SEEDS

To Arrive this Week from Australia

OTHER PALM SEEDS

Arriving and in Stock for Immediate Delivery

	100	1000		100	1000
Kentia Foresteriana	\$0 50	\$4 50	Livistona rotundifolia	\$2 00	17 50
Kentia Belmoreana	0 50	4 00	Phoenix rupicola	1 00	7 50
Cocos Weddellana. Immediate	1 00	7 50	Phoenix recinata	0 50	3 00
Areca lutescens	1 00	7 50	Phoenix Canariensis	0 30	3 00
			Pandanus utilis	1 00	8 00

ASPARAGUS PLUMOSUS NANUS, true greenhouse grown seed. 100 sds. 60c.; 250 sds. \$1.20; 1000 sds. \$4.00; 5000 sds. \$18.00; 10,000 sds. \$35.00.
ASPARAGUS SPRENGERI, 250 sds. 25c.; 1000 sds. 75c.; 5000 sds. \$3.00.
DRACAENA INDIVISA (seeds), oz. 30c.; 1 lb. \$1.00.

Catalogues free

ARTHUR T. BODDINGTON, SEEDMAN, 342 West 14th St., New York City

RIBBONS for the WEDDINGS of MAY and JUNE

Nowhere else can you get such beautiful ribbons, such wonderful values.

Why, you buy direct from the mill and

Save All Between Profits

Write for samples.

Compare with other ribbons, and see how good Pine Tree Ribbons are.

The Pine Tree Silk Mills Company

Philadelphia

Office and Salesrooms: 806-808-810 ARCH STREET
 Address Dept. E, 52-54 N. EIGHTH STREET



ESTABLISHED 1802

SEEDS OF ASPARAGUS

PLUMOSUS NANUS, \$2.00 per 1000

SEEDS OF ASPARAGUS

PLUMOSUS ROBUSTUS, \$2.00 per 1000

COLD STORAGE LILY OF THE VALLEY PIPS, JAPAN LILIES, JAPAN IRIS

For prices state quantities required

J. M. THORBURN & CO.

33 Barclay St., through to 38 Park Place, New York. Everything of the highest grade.

NEW CROP FLOWER SEEDS

Verbena Mammoth, In colors or mixed, 1/4 oz. 30c., oz. \$1.00.

Salvia Splendens, 1/4 oz. 35c., oz. \$1.25.

Salvia Bonlire, 1/4 oz. 75c., oz. \$2.50.

Lily Valley, Early Forcing, to close out, per 1000, \$11.00.

Fresh Tobacco Stems, Bale of 300 lbs. \$1.50.

W. C. BECKERT, Pittsburg, N. S. Pa.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

The book of WATER GARDENING

By Peter Bissel. Price, postpaid, \$2.50
 A. I. DELAMARE PTG. & PUB. CO., LTD

CYCAS STEMS

(SAGO PALM)

True Long-Leaved Variety

Will grade the sizes to suit buyer, 25 lbs. at 75c.; 100 lbs. at 7c.; 300-lb. case at \$19.

Begonias and Gloxinias

Large, plump bulbs from a prize strain

Single, mixed	Doz.	100	1000
Single, separate colors	Doz.	1.60	15.00
Double, mixed	Doz.	2.75	25.00
Double, separate colors	Doz.	3.00	27.00

Giant Gloxinias

Choice, mixed	Doz.	100	1000
Separate colors	Doz.	\$0.50	\$2.75
Gold Storage Valley	Doz.	3.00	\$25.00

Gold Storage Valley quoted on application.

JOHNSON SEED CO.,
17 Market Street, Philadelphia, Pa.

Read Our Ad.
March 28th

H. H. Berger & Co.
70 Warren St., New York

XXX STOCK

Strong, 2 in. Ready for 3-inch pots.
GEORGIUM, Gurney. Best dwarf blue; \$2.00 per 100.
ROSEBELLA Crystal Palace. Extra fine dwarf; \$2.00 per 100.
ELLIOTROPE, dark, \$2.00 per 100; strong 3-inch, in bud, \$4.00 per 100.
ELARGONIUMS, Fancy Mixed, 3 in., \$6.00 per 100.
ETUNIAS, New Star, very fine, \$2.00 per 100.
HELOX, finest dwarf, mixed, \$2.00 per 100.
HEBENAS, California Giants, mixed, strong and bushy, fine, \$2.00 per 100.

XXX SEEDS

CHINESE PRIMROSE. Finest grown, varieties mixed; 500 seeds, \$1; half pkt., 50c.
INERARIA. Finest large-flowering dwarf, mixed, 1000 seeds, 50c.
PANT PANSY. Best large-flowering, mixed, critically selected, 5000 seeds, \$1.00; half pkt., 50c.
Cash. Liberal extra count of seeds in 11 packets.

JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES

Flower & Vegetable SEEDS

Best Kinds for Market, Gardeners and Florists

Aster Seed, all the leading varieties.

Tuberose, Dwarf Pearl, 75c. per 100, \$7.00 per 1000.

Dahlias, all the leading sorts.

Roses, Lilies, Cannas, Geraniums, Artichokes.

JAMES VICK'S SONS
SEEDSMEN
ROCHESTER, N. Y.

Gladiolus "America"

FOR FORCING

Strong bulbs, \$60.00 per 1000.
Florists' white and light, mixed, 12.00 per 1000.
Iris Keemplerl, named, \$50.00 per 1000.
Iris Keemplerl, mixed, \$30.00 per 1000.
Phoenix Roebelenl, 2 inch pots, 7.00 per 100.
Phoenix Roebelenl seedlings, \$4.00 per 100.
Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

JOHN LEWIS CHILDS, Floral Park, N. Y.

Established 1900
POAT BROS.
(Formerly of Effricks, Va.)
BULB GROWERS
HIGHLAND PARK
RICHMOND, VA.
NARCISSUS, TULIPS, IRIS
PAEONIES, CROCUS
SEND FOR CATALOGUE
CUT FLOWERS
FROM MARCH TO MAY

LOOK! SEE!

See our two-page advertisement in issue of March 28th on pages 408 and 409

100,000 2 in ROSES at low prices	Per 100	Per 1000
Crimson Romblers, 2 1/2 in	57.00	570.00
" " " " " " " "	10.00	100.00
Persian Yellow, No 1	12.00	120.00
Satell d'Or, No 1	12.00	120.00
Viburnum Plicatum		
2 1/2 feet	12.00	120.00
3 1/2 feet	16.00	160.00
10 1/2 in	\$3.00 per 1000	
AZALEA Amoena, 12 1/4 in x 12 1/4 in	25.00	250.00

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Asparagus Plumosus Nanus Seed

New Crop, Highest Germination, \$2.50 per 1000, Cash.

Drake Point Greenhouses, YALAHA, FLORIDA

A HALF MILLION CALLA BULBS FOR SALE

CALLA ETHIOPICA BULBS, 7 to 8 inch circumference	\$65.00 per 1000
" " " " " " " "	40.00
" " " " " " " "	25.00

250 at 1000 Rates, Freight Prepaid when Cash is sent with Order. Orders booked now for July shipments.

A. MITTING, 17 to 23 Kennan St., Santa Cruz, Cal.

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for Illustrated catalog.

ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

PANSIES

THE JENNINGS STRAIN
50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants in bud and bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500.
PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

E. B. JENNINGS, SOUTHPORT, CONN.
Lock Box 254
Grower of the Finest Pansies

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

W. & D.'S SPECIALTIES FOR 1908
Tomato, "The Don," best for forcing.
Cauliflower, First and Best. Orlon, Alisa Craig. Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spawm, Egg-Shell and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready.
Free on application.
WEEBER & DON, SEED MERCHANTS AND GROWERS
114 Chambers St., NEW YORK

FISKE SEED CO.

Make a specialty of
ASTER SEED
All the leading varieties
Also **FLORISTS' SEEDS** for immediate planting
H. E. FISKE SEED CO.
12 & 13 Faneull Hall Square BOSTON, MASS.

FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN**, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. In postage stamps. Address American Spawm Company, St. Paul, Minn

GLADIOLUS BULBS

100,000 from 1 1/2 inches up to 4 1/2 inches per 1000. 100,000 2 to 1 1/2 inches at \$2.00 per 1000. Cash with order. Description given on request.
Nice block of **CALIFORNIA PRIVET**, \$10.00 per 1000 and up as to quality, write for particulars.
Nice lot of **AMERICAN CHESTNUT TREES** at a bargain. 35 large **SUGAR TREES**, most of them sample trees.

I. & J. L. LEONARD, Iona, N. J.

ONION SETS

There will be a heavy demand for sets during the next 30 days. Send us your orders at once and we will make prompt shipment and close price.
LEONARD SEED CO., Chicago, Ill.

C. C. Morse & Co.

SEED GROWERS, San Francisco, Cal.
Address all communications to our permanent address, 48 to 56 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Olney

CLEARY'S HORTICULTURAL CO.

AMBROSE T. CLEARY, Management
WHOLESALE, JOBBING, CONTRACTING, AUCTION, HORTICULTURAL PRODUCTS
62 Vesey Street, New York
Telephone, 7313 Cortlandt
Correspondence Solicited. Surplus Stock Converted.

THE CHRYSANTHEMUM

Arthur Herrington's New Book
The most complete and comprehensive work on the cultivation of the Chrysanthemum that has as yet been published in America. Handsomely illustrated, 168 pages, 5 x 7 inches. Price only 50 cents, postpaid.
SEND YOUR ORDER FOR A COPY NOW.
A. T. De La Mare Ptg. & Pub. Co. Ltd.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

Referring to the article on "Storing Cabbages in Denmark" on page 368, issue of March 21 last, the upper picture accompanying the text shows the method of protecting cauliflower plants for seed against frost, and not cabbages as at first stated.

"TESTING THE GERMINATION OF SEED CORN" is the subject dealt with in Circular No. 1, March, 1908, of Cornell (N. Y.) University Agricultural Experiment Station, College of Agriculture. Selection of good seed ears, method of testing germination, and care of seed corn are all described. The circular is illustrated.

PHILADELPHIA, PA. We announce with deep sorrow, the death of Mrs. Earl, mother of Howard M. Earl of W. Atlee Burpee & Company, which occurred on April 15. Mrs. Earl suffered a paralytic stroke two days previously and never regained consciousness.
Mr. Burpee's address while abroad all Summer will be care of J. S. Morgan & Company, 22 Old Broad street, London, E. C., England.

GREELEY, COL. Report has it that agriculturists and business men propose, possibly next year, to organize a company and establish a big seed house here. The bulk of the seed for the Western country has been grown by California, which is now looking toward northern Colorado to help supplement its supply of seed for which there is an increasing demand, especially for seed for garden crops. Large quantities of onions and cabbages for seed are already planted here and one farmer has contracted the growing of 100 acres of mustard for seed.

IMPORTERS OF SEEDS, ETC. April 15. - H. Bischoff & Company, 58 tubs laurel trees, one case plants; Hussa & Company, one case plants; Smith & Bolzenthal, one case plants; A. Waltraet, 90 tubs laurel trees; Kramer & Foster, two cases plants; J. Tor Kulle, 16 tubs laurel trees; Hussa & Company, two cases plants; T. C. Pollock, one case plants, 20 cases laurel trees; F. B. Vandegrift & Company, one case plants; Peck & Velsor, two bushels roots, three bags seed; W. Elliott & Sons, seven cases trees; R. F. Lang, two barrels trees; Vaughan's Seed Store, two bags seed; R. F. Lang, six cases plants; C. B. Richard & Company, 50 cases plants; P. H. Petry & Company, four cases plants; T. C. Pollock, 31 packages plants; Cleary's Horticultural Company, four cases plants; Kayser & Shields, four cases plants; T. N. Wallie, two cases plants; April 16. - Davies, Turner & Company, four packages plants, etc.; A. Held, 58 cases plants; Maltus & Ware, 70 cases plants; April 17. - H. M. Baker, 200 bags clover seed; O. Gerdau & Company, one case plants; Hussa & Company, one barrel plants; Selig & Ruckelshar, 17 bags seed; April 18 and 19. - Rooney & Spence, 23 cases plants; C. R. Abel & Company, 16 cases plants; H. F. Barrow, 21 packages plants.

Stokes Standard Seeds.
For Florists and Market Gardeners. Send for Catalogues and Special Prices on your wants in FLOWER or VEGETABLE SEEDS and BULBS.
Stokes Seed Store.
219 Market Street, PHILADELPHIA

GEORGE C. WATSON'S APOSTROPHE TO BURPEE. -Writing in the Market Growers' Journal of "Sponsors of the Modern Cantaloupe," George C. Watson pays the following tribute to W. Albee Burpee: "What Boswell was to Johnson, or Bolton to James Watt—that Burpee has been to the cantaloupe as we know it to-day. By his remarkable and original system of distribution through what is now known as 'the mail order trade,' he made vital many of the vagaries of nature in her perfect moments—spent a fortune and made one in the doing of it—and by his keen intelligence and unerring instinct has made the whole world his debtor. When I think of the hundreds of fine things this keen, tireless enthusiast—this genial gentleman of whom the horticultural trade the world over is so proud—has done for us in nearly every section of the vegetable and flower garden I feel like paraphrasing Burns:

"When thee, O Burpee, I forget—
Palsied be my right hand!"

ANALYSES OF SEEDS.—The Maine Agricultural Experiment Station is now mailing Bulletin 152 containing the analyses of samples of grass and other seeds collected by the Inspector and analyzed by the Station in 1907. The results of the analyses indicate that in a number of instances seeds were sold with a guaranty much too high. The timothy for the most part was clean and free from injurious weeds and on the whole the above and other grass seeds offered in 1907 showed marked advance as to quality over those of 1906. For the most part the violations of the law were due to the high guaranties placed upon seeds by the jobbing houses. These dealers met at the Experiment Station in January and arrangements were made whereby it is hoped that the future will be safeguarded. On this account no prosecutions were made for sales made in 1907. It is the intention to enforce the provisions of the law so that seeds shall be sold in accord with guaranty.

In addition to reporting the analyses made in 1907, the bulletin contains methods for testing seeds both for quality and vitality. A copy of this bulletin (152) will be sent on application. To any resident of Maine. In writing, please mention this paper. Request should be addressed to The Maine Agricultural Experiment Station, Orono, Maine.

Seed Trade Notes.

Another week of splendid business in all branches of the trade has passed. As we approach the first of May, it is expected that the enormous rush of orders experienced since the first of March will begin to ease off somewhat, but then, as always, we have the retail over-the-counter cash sales that are to follow for the next four to six weeks, which always constitute one of the most profitable features of a seed season's business.

It has been very noticeable all through the season how very conservatively the smaller dealers in seeds have from day to day placed their orders with their seedsmen. While such orders have reached a very large volume in the aggregate this season, they have represented practically seeds already sold by the smaller dealer, and then purchased by him for delivery to his customer. In other words, owing to the much advanced wholesale rates for so many seeds, the out-of-town dealer has contented himself this year by working as regards seeds on the "sales before purchasing" plan. Especially has this policy been noticeable with respect to all kinds of grass and clover seeds. The smaller dealer, who in average years carries a pretty good stock of such seeds, has contented himself with getting his orders before coming to get his seed, to very much red clover and timothy grass seed, that must be sold at approximately 30c. per

pound and \$3.50 per bushel respectively. Such a condition of affairs has of course had but one result—the farmer customer has been practically obliged to visit his nearest seedsmen to obtain his needed seed supplies, and enormously increased sales in all lines of seeds have followed, especially in grass and clover seeds, from this source of trade. It is just as impossible now as it ever was, "to sell what you have not got"; and the natural result, as always in a season of short seed stocks and long prices, is that seed planters have been more than ever before obliged to purchase directly from the seedsmen. This feature of the present season's business has added more largely to the volume of retail sales than many of us have in the great rush stopped to realize.

Now that the planting season is actually here, the many shortages in seed supplies are being most severely felt. Onion sets will end the season very short; in fact, for some weeks the seedsmen have had very few indeed for wholesale orders. Sales of white sets have been made during the past few days at \$4.50 to \$5 per bushel to dealers, which very clearly shows the strong demand; and red and yellow onion sets are even in relatively shorter supply than the white sets. Lima beans, both the dwarf and pole varieties, are also very scarce and will be sold out entirely long before the planting season for beans is well under way. All know of the great scarcity of onion seed; seed stocks are in fact giving out in all directions daily. We shall most certainly end the season of 1908 with very much depleted seed supplies.

SWEET PEA SEEDS.—In his paper read before the Boston Gardeners and Florists' Club this week, William Sim of Cliftondale, Mass., an expert cultivator of sweet peas, says: "Many seedsmen are selling seed purporting to be the early varieties, which are not the early varieties. Very few seedsmen know that there is any difference between the two, and substitute with the late varieties." It is time that all seedsmen learned how to distinguish the early and the late sweet pea seed or serious loss is likely to result to growers. Mr. Sim tells in his paper how these different varieties act under glass. Those interested should carefully read his remarks.

European Notes.

Fine dry days with a record of nearly thirteen hours bright sunshine would suit seed growers admirably if it were not for the severe frosts at night. Fully 9 degrees Fahr. are registered on the grass, and this not only delays vegetation of all kinds but must also prove destructive to the young seed shoots of Savoys and other brassicas, and imperil the safety of young seedlings.

The planting of beets has been practically completed and, with the exceptions noted above, the work has been done under most favorable conditions. As noted in this column two weeks back the acreage planted falls far short of our requirements, the diminution being fully 50 per cent. in the turnip-shaped varieties and about 25 per cent. in long and half long.

There is no surplus of yearling seed to fall back upon, so dealers must be prepared for an advance in prices, and should make early sales with caution.

The boom in clovers for which we are indebted to America continues. The sowing conditions are ideal.

The notice of the incorporation of Robert Sydenham's business as a limited company does not occasion any surprise, but the very small capital (\$75,000) causes some astonishment when the liberal amount of advertising is taken into consideration. It has long been known that "Uncle Robert" was desirous of transferring the burden to other shoulders, and one is pleased to see the names of Smith, Pressly and other tried and true helpers figuring as promoters of the new company. It may not perhaps be generally known that R. Sydenham is a jeweler and still does a very large business in that line. He will long be remembered as a prompt and abundantly ample correspondent, a genial fellow, and a keen man of business.

EUROPEAN SEEDS.

500,000 Palmetto Asparagus Roots
2, 3 and 4 Years Old

Well developed, Grown on Bloomsdale.
Trade Price, \$3.50 per Thousand.

No Order will be taken under One Thousand

D. Landreth Seed Company, Bristol, Pa.
Bloomsdale Seed Farms.

NEW CANNAS 1908

ROSEA GIGANTEA

This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2½ inches across; color, a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. (A great favorite with visitors to our trial grounds.) Strong plants, \$2.00 each, prepaid; \$18.00 per doz. by express, not prepaid.

each other, thus giving a very attractive appearance to the flowers. Color is crimson, changing to carmine rose with an uneven edge of gold to each petal. Height, 3½ feet. Price, strong plants, \$2.00 each, prepaid; \$18.00 per doz., by express, not prepaid.

CANNA METEOR

Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich; each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all Summer through. Price, plants or dormant roots, 75c. each, postpaid; \$6.00 per doz., by express, not prepaid.

GLADIO-FLORA

Remarkable for the unusual shape of the flowers, which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap

NEW CANNAS OF SPECIAL MERIT

WILLIAM SAUNDERS

(1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze.

60 other Varieties. Send for list and prices

THE CONARD & JONES CO., West Grove, Pa.

VEGETABLE PLANTS

- TOMATO, Myflower, Lordhard, Enrianna, Early June Pink and Early Jewel, 30c. per 100; \$2.00 per 1000.
- BEETS, Egyptian and Crosby's, 20c. per 100; \$1.25 per 1000.
- CELERY, White Plume and Golden Self Blanching, 20 cts. per 100; \$1.25 per 1000.
- PEPPER and EGG PLANTS, ready for transplanting, 40c. per 100; \$2.00 per 1000.
- R. VINCENT, Jr. & SONS CO., White Marsh, Md.

CANNAS

- Two great Gold Medal Cannas, King Humbert 8c.; Wm. Kasting 5c.; Brandywine, most magnificent bronze-leaved bedder, 3c.; Egandale 2½c.; Crimson Bedder, a superb canna 2c.; started plants or dormant roots.
- GERANIUMS, S. A. Nutt, Hill, Poltevine, Jean Vland (pure pink), 2 ½ in., A No. 1 stock, \$2.50 per 100. Cash.
- N. A. CORLIN, Elberon, N. J.

CATALOGUES RECEIVED.

GEORGE HOLLIS, South Weymouth, Mass.—Illustrated Catalogue of Peonies—a comprehensive and interesting assortment.

AUGUST HAERENS, Somergem, near Ghent, Belgium (August Röker & Sons, New York, agents for the United States and Canada).—Trade Price List of Indian Azaleas, Palms, Araucarias, Ficus, Rhododendrons, Bay Trees, etc. There is offered an interesting list of Novelties in Azaleas, including the Star of Somergem, which is figured in color as a front cover design.

NIMMO & BLAIR, Dunedin, New Zealand.—Catalogue of Fruit, Field and Garden Seeds, Fruit Trees, Implementations, etc. The catalogue is handsomely illustrated, and contains a colored insert of the firm's two new annual Chrysanthemums, Morning Star and Evening Star. Among the Carnation offerings of this enterprising house we observe several of the American varieties are listed.

CANNAS

Our selection, \$15.00 per 1000, \$1.75 per 100

DAHLIAS

The Leading Varieties for Florists

Prices of named varieties of Dahlias field-grown whole clumps, 40c. per doz. \$3.00 per 100; \$25.00 per 1000. All kind mixed, 30c. per doz.; \$2.50 per 100; \$20.00 per 1000.

CALADIUM

Caladium Esculentum—(Elephant's Ear)
Bulbs measuring 6 to 8 inches in circumference, 25c. per doz.; \$1.50 per 100; \$10.00 per 1000.

Bulbs measuring 8 to 10 inches in circumference, 50c. per doz.; \$3.25 per 100 \$30.00 per 1000.

Bulbs measuring 10 to 12 inches in circumference, 75c. per doz., \$5.50 per 100 \$50.00 per 1000.

TUBEROSES

Dwarf Double Pearl, "Imperial Strain," the best of all selected Bulbs, 4-6 in. circumference, 90c. per 100; \$8.50 per 1000, 3-in. circumference, 50c. per 100; \$4.50 per 1000.

SHELLROAD GREENHOUSES, GRANGE BALTIMORE, MD

HARDY PHLOX

Strong Field Grown Roots

\$4.00 per 100, \$35.00 per 1000

They are splendid plants in perfect condition, and consist of such choice varieties as Miss Lingard (best Phlox for cut flowers), Independence, Joan of Arc, La Vogue, La Soleil, Lord Raleigh, Lumineaux, Macuiata, Mrs. Jenkins, Van Goethe.

They are a bargain and are offered at price named to close out quickly.

J. T. LOVETT, Little Silver, N. J.

CABBAGE PLANTS

Jersey Wakefield, ready for field, \$1.25 per 1000. Tomato, all kinds, \$1.50 per 1000.

J. C. SCHMIDT, Bristol, Pa



HYBRID TEA ROSE KILLARNEY

Dreer's Offer of Select Roses

STRONG TWO-YEAR-OLD PLANTS in 5 and 6-inch pots, specially prepared for outdoor planting.

The Roses which we here offer are field-grown stock, either American grown or plants that have been imported from England and Ireland. We handle no Holland grown Roses.

These plants are all potted up during December and January, and were stored in cold houses; they are now growing freely and are in prime condition to sell to your retail trade; all are in 5 and 6-inch pots, according to variety.

Hybrid Perpetual, Moss and other Hardy Roses. Strong two-year-old Plants, nearly all in 6-inch pots.

	Per 100
Alfred Colomb	\$25.00
Anna de Diesbach	25.00
Alfred K. Williams	25.00
American Beauty	25.00
Bianche Moreau	25.00
Baroness Rothschild	25.00
Baron de Bonstettin	25.00
Camille Bernardin	25.00
Capt. Christy	25.00
Crested Moss	25.00
Comtesse de Muranais	25.00
Coquette des Blancches	20.00
Common Provence	25.00
Clio	25.00
Countess of Oxford	25.00
Charles Lefebvre	25.00
Crimson Globe	25.00
Duke of Edinburgh	25.00
Earl of Dufferin	25.00
Fisher Holmes	25.00
Francois Michelon	25.00
Frau Karl Druschki	25.00
General Jacqueminot	25.00
Gloire de Margottin	25.00
Gloire de Lyonnaise	25.00
Gloire de Mosses	25.00
Her Majesty	25.00
Jean Labaud	25.00
Louis Van Houtte	25.00
Magna Charta	20.00
Margaret Dickson	25.00
Mrs. R. G. Sherman Crawford	25.00
Mrs. John Laing	25.00
Mabel Morrison	25.00
Mme. Planter	20.00
Mme. Victor Verdier	25.00
Mme. Gabrielle Luizet	25.00
Marchioness of Lutz	25.00
Marie Baumann	25.00
Nova Zembla	25.00
Princess Adelaide	25.00
Raul Neyron	25.00
Prince Camille de Rohan	25.00
Queen of Queens	25.00
Rococannachi	25.00
Ruhm der Gartenwelt	25.00
Rogosa Red	15.00
White	15.00
Soliel d'Or	25.00
Tom Wood	25.00
Ulrich Branner	25.00
Victor Verdier	25.00
White Baroness	25.00

Rambler, Climbing and Trailing Roses

	Per 100
Climbing Clothilde Soupert	\$20.00
Crimson Rambler	20.00
Dorothy Perkins	20.00
Gloire de Dijon	25.00
Lady Gay	25.00
Philadelphia Rambler	20.00
Frairie Queen	25.00
Parisian Yellow	25.00
Reine Marie Henriette	30.00
Sweet Brier	15.00
" " Lord Penzance	25.00
" " Lady Penzance	25.00
" " Meg Merrilies	25.00
" " Anne of Gierstein	25.00
" " Brenda	25.00
Tausendschön	35.00
Wichura	25.00
Wichuriana White	15.00
" Evergreen Gem	20.00
" Gardenia	20.00
" Pink Rambler	20.00
" South Orange Perfection	20.00
" Triumph	20.00
" Universal Favorite	20.00
Yellow Rambler	20.00

Baby Rambler Roses

A type of Rose which is becoming very popular for bedding purposes. They form shapely, compact, bushy specimens about 18 inches high, producing great profusion from early in the season until severe frost immense trusses of small flowers.

Crimson Baby Rambler (Mme. Norbert Levassieur). An extra fine lot of strong two-year-old plants, \$2.50 per dozen; \$30.00 per 100.

Pink Baby Rambler (Anchen Muller). Brilliant luminous pink; a shade that is always admired. \$3.00 per dozen; \$25.00 per 100.

White Baby Rambler (Katherina Zelmet). Pure white flowers, showing the yellow stamens very prettily, produced in large candelabra-shaped trusses. \$3.50 per dozen; \$25.00 per 100.

Hybrid Tea and Other Everblooming Roses

	Per 100
Antoine Rivoire	\$30.00
Belle Siebrecht	25.00
Bessie Brown	30.00
Belle Lyonnaise	25.00
Caroline Testout	25.00

	Per 100
Catherine Mermet	\$25.00
Celia (new)	50.00
Comtesse de Frignouse	25.00
Comtesse Iza du Parc	20.00
Corallina	30.00
Comtesse Cairns	30.00
Duchess de Brabant	20.00
Earl of Warwick	25.00
Etoile de Lyon	20.00
Franz Deegan	30.00
Farbin Konigin	25.00
Francisca Kruger	20.00
Frau Lida Gautenstrauch	25.00
Grass an Teplitz	25.00
Grace Darling	30.00
Gladys Harkness	30.00
Gustav Granewald	25.00
G. Nabouand	30.00
Hermosa	20.00
Hon. Edith Gifford	30.00
John Kuskin	25.00
Johanne Sebus	25.00
Joseph Hill	35.00
Kaiserin Augusta Victoria	25.00
Killarney	25.00
Konigin Carolla	30.00
La Tosca	30.00
La France	25.00
La Detroit	25.00
Lady Buttersea	30.00
Liberty	50.00
Maman Cochet, Pink	20.00
" " White	20.00
Marie Van Houtte	25.00
Mrs. B. K. Cant	20.00
Mädrad Grant	30.00
Mme. Abel Chateauf	25.00
" " Edmee Metz	25.00
" " Jules Grolez	30.00
" " Ravary	30.00
" " Lombard	25.00
" " Faleot	25.00
" " de Watteville	25.00
Papa Gontier	25.00
Perle des Jardins	25.00
Pharisacr	30.00
Prince de Bulgarie	30.00
Queen's Scarlet, or Agrippina	20.00
Richmond	20.00
Souvenir de Catherine Guillot	30.00
" " de President Carnot	30.00
" " de la Malmaison	25.00
" " de Pierre Notting	30.00
Safrano	25.00
Sunset	25.00
The Warrior (new)	50.00
Viscountess Fulkestone	25.00



(71) **Sweet Peas for Forcing.**
Please name some of the best sweet peas for forcing in colors, and where to obtain the seeds. I would like more colors than are mentioned in a recent issue.
A. L. R.

—For further varieties of sweet peas, other than were mentioned in our recent number, we would refer you to any of the seedsmen's catalogues.

(72) **Paint for Greenhouse Pipes.**
—Can heating pipes in greenhouses be painted to keep them from rusting, and what do you consider the best preparation to use, steam heat being employed? Do you consider the use of galvanized pipe an advantage?
H.
Ohio.

—To keep pipes from rusting there is no better paint to use than that made by mixing lamp black and boiled linseed oil. We never heard of galvanized pipes being used for heating purposes, and do not believe there is any advantage in doing so.

(73) **Violets in Frames.**—We propose to plant violets in cold frames. In Winter, of course, the glass will be covered with mats. Our Winters here are not severe. What variety would you recommend of double and single? We would not expect them to do anything like what they would with the usual treatment, but would probably get enough flowers for our local trade.
W. & N.
New Jersey.

—For varieties of violets to grow in cold frames we would recommend for double Marie Louise, and for single the new variety Boston. Bank up the outside of the frames with a good thickness of stable manure and protect the plants with mats in the severest weather, and the violets will come out all right.

(74) **To Increase Fancy Caladiums.**—How can I increase fancy caladiums? I have bedded my bulbs to sprout in the open; later will remove them to a slat house. They were large bulbs with eyes, many of which were not detachable. After showing above ground, I took up a few and cut out the eyes around which numerous roots had grown. Was it an injurious proceeding? If not, I can greatly increase my stock. They are growing all right.
A. J. B.
Pa.

—Fancy caladiums are multiplied by separating the eyes or off-sets while the bulbs are dormant, but in the present case where the eyes have been separated after growth has started, we think they will be all right, seeing that they are growing right along. The fact that they are growing would demonstrate that the proceeding was not an injurious one by any means.

(75) **Raising Stocks from Cuttings.**—We have been raising Winter-blooming stocks in our greenhouse for some years and have always raised them from seed, but after planting them and waiting until they flowered we find some of them come single, and these are worthless for our purpose. Now, what we want to know is, can we take cuttings from the plants in our house and get as good plants as we can from seed? We always have very fine plants and immense flowers. By taking cuttings from the plants with double flowers we might be reasonably sure of getting double flowers again, but we are not sure of how the plants would act from cuttings.
W. & N.
New Jersey.

—There is always a certain percentage of the stocks that come single from seed. If it is desired to perpetuate the double stocks that you have, this can easily be done by taking cuttings from the best of the plants and propagating them in that way. You will then be sure of having double-flowered plants. This method was in vogue in England many years ago, employed to perpetuate many of the best varieties of stocks. The cuttings should be made of the new growths when they are about three inches long and rooted in a brisk bottom heat, potted when well rooted and from then on treated the same as seedlings.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Dracaena Indivisa

2 in., \$3.00 per 100; 3 in., \$5.00 per 100.
LATANIAS, fine strong plants, 2 in., \$3.00; 3 in., \$6.00; 4 in., \$15.00 per 100.
KENTIA Belmoreana and Forsteriana, 4 in., 25c.; 5 in., 50c.; 7 1/2 in., \$1.00.
\$1.25, \$1.50; large plants, \$2.00, to \$35.00 each.
PHOENIX, \$2.50 to \$40.00 each.
PANDANUS UTILIS, 2 1/2 in., \$3.50 per 100.

FERNS

Boston and Piersont, 4 in., 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., 75c.; 8 in., \$1.00; 9 in., \$1.50.
Whitman, 2 1/2 in., strong, \$5.00; 4 in., \$20.00 per 100; 5 in., 50c.; 6 in., 75c.; 7 in., \$1.25, \$1.50, \$2.00; 8 in., \$2.50, \$3.00, \$3.50.
Fine, small ferns for dishes, \$3.00 per 100; \$25.00 per 1000.

JOHN BADER Mount Troy, ALLEGHENY, PA.

Pansy Plants

	Per 100
Giant Flowering	\$2.50 per 1000.....\$0.50
ALTERNANTHERAS, Red, Yellow, April 19	2.00
COLEUS, 10 Var., 2 1-4 in.	2.00
VINCA VARIEGATED, 2 1-4 in.	2.50
VERBENAS, April 15	2.00
CANNAS, C. Henderson and eight other varieties, 3 in. pots, May 1st.	3.50

Geraniums

	Per 100
S. A. NUTT, and 4 other varieties, 3 in. pots	\$1.00
DOUBLE PETUNIAS	3.00
ASPARAGUS PLUMOSUS	2.00
ASPARAGUS SPYNGERII	2.00
CENTAUREA GYMNOCARPA, Apr. 15	2.00
PRIMROSES, July 1st	2.00

JOS. H. CUNNINGHAM, Delaware, Ohio

ASPARAGUS, BOSTONS, AZALEAS

Plumosus Nanns, 2 1/2 in., \$3.50 per 100, \$30.00 per 1000; 3 in., 6c.; 3 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. **Comorensis**, 2 in., 2c.; 2 1/2 in., 3c.; 3 1/2 in., 6c. **Sprengerii**, 2 1/2 in., 3c.; 3 1/2 in., 8c.; 4 in., 10c.

Bostons, 2 1/2 in., 4c.; 3 in., 8c.; 6 in., 40c. 7 in., 65c.; 8 in., \$1.00 to \$1.50; 10 in. \$1.50 to \$2.00.

Azaleas. We are now booking orders for delivery. Our stock is the best in the West.

J. W. DUNFORD, Kings Highway and Page Bldg., St. Louis, Mo. Greenhouses at Clayton, Mo. Phones: Bell, Forest 1453.

RHODODENDRONS

HARDY HYBRIDS, 1 1/2 ft., 2 ft., 3 ft., 4 ft., 5 ft. BOX, all sizes Bush, Pyramid and Standard. **ROSES**, large assortment Hybrids and Climbing. **HERBACEOUS PERENNIALS**, 1000 varieties. Send for General Catalog and Trade List. **The NEW ENGLAND NURSERIES Inc.** Bedford, Mass.

Magnolia
Rhododendron
Azalea
Clematis
Peonies
Phlox

Nursery Stock for Florists' Trade

EVERYTHING WORTH PLANTING
Roses a Specialty All kinds of Fruit Trees
Ornamental Trees and Shrubs, Evergreens, Berries, Herbaceous Plants
W. & T. SMITH COMPANY
62 Years GENEVA, N. Y. 700 Acres

Boxwood
Privet
Barberry Thunbergii
Hydrangea Tree, 4-6 ft.
Spiraea Van Houttel
Koster's Blue Spruce

HARDY NEW ENGLAND GROWN NURSERY STOCK
WE GROW A GENERAL ASSORTMENT OF
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.
Prices Reasonable. Wholesale Trade List for the asking.
BAY STATE NURSERIES, NORTH ABINGTON, MASS.

HYDRANGEA ARISTOLOCHIA

2 to 3 feet and a full assortment of 3 to 4 feet
Hardy Ornamentals, California Privet Cuttings
HIRAM T. JONES, Elizabeth, N. J.
\$1.25 per 1000
Union County Nurseries, 49 North Avenue.

AMERICAN NURSERY COMPANY
—COMBINING—
Fred'k W. Kelsey, New York City, F. & F. Nurseries, Springfield, N. J.
Bloodgood Nurseries, Flushing, L. I. N. J. & L. I. Nurseries
We Can Supply Your Every Need. Write for Prices.
Sales Department
150 Broadway, New York.

Grafted Roses For Forcing

Bride, Bridesmaid, Kaiserin, Killarney, Richmond, Wellesley
\$12.00 per 100, \$100.00 per 1000

JACKSON & PERKINS COMPANY

Wholesale Florists and Nurserymen
NEWARK, WAYNE COUNTY, NEW YORK

SURPLUS LIST OF SHRUBS

for immediate effect. Shrubs must be sold this Spring on account of cleaning ground, and they are also too large to hold over. They are in excellent condition, clean, healthy and have good fibrous roots, strong and bushy.

	Height Feet	Each Whole-sale Price		Height Feet	Each Whole-sale Price
100 Deutzia crenata	2-3	25c	50 Forsythia viridissima	3-4	25c
300 " " "	3-4	30c	475 " " "	4-5	30c
235 " " "	4-5	35c	400 Ligustrum Ithota	3-4	35c
260 " " "	5-6	40c	30 " " "	4-5	40c
45 Deutzia gracilis	1-1 1/2	15c	10 " " "	6-7	50c
147 " " "	1 1/2-2	20c	200 Lonicera Morrowii	3-4	35c
298 " " "	2-2 1/2	25c	175 Philadelphia coronarius	4-5	40c
210 " " "	2 1/2-3	30c	25 " " grandiflorus	4-5	40c
30 Diervilla (Weigelia) rosea	3-4	30c	137 Spirea opulifolia	5-6	35c
95 " " "	4-5	35c	288 " " "	6-7	40c
355 " " "	5-6	40c	327 " " aurea	5-6	35c
100 Forsythia Fortunei	4-5	30c	177 " " "	6-7	40c
150 " " "	5-6	35c	200 Symphoricarpos Vulgaris	3-4	30c
94 " " "	6-7	40c			

Prices F. O. B. Greenwich. Cash with order.

GREENWICH NURSERIES, Greenwich, Conn.

DEHN & BERTOLF, Props.

CANNAS

Special Prices to Close Surplus.

SIX VARIETIES AT \$1.00 PER 100. Al-lemania, Austria, Marechal Valhante, also three grand sorts, large-flowered, names lost.

SEVEN VARIETIES AT \$1.25 PER 100. Burbank, Felix Crouse, Mile. Berit, Morning Star, Bronze King, Metallica, King of Bronzes.

TEN VARIETIES AT \$1.50 PER 100. Atlanta, Partenope, Pennsylvania, J. D. Cahos, Ex Crampbell, L. Patry, J. C. Vaughan, Queen of Holland, President Carnot, Musafolia.

NOVELTIES: Eastern Beauty, \$2.00; K. Wallace, \$3.50 per 100; Indiana, Wyoming, Graf Waldersee, Hoffgartner Hoppe, Chata-gna, \$4.50 per 100; Queen of Beauty, \$2.00 per dozen; \$15.00 per 100. Our new seedling W. E. Cottrell, the best dark pink yet, 25c. each; \$2.50 per dozen; \$18.00 per 100.

Started plants of Cannas, started in sand, ready after April 15, same price as dormant roots; place your order now. A collection of 50 novelty CANNAS, all correctly labeled, started plants, for \$2.50.

Japanese Kudzu Vines, strong plants, \$4.00 per 100.

FRANK CUMMINGS BULB & PLANT CO.,
MERIDIAN, MISS.

Berberis Thunbergii

18 to 24 in., 12 to 18 in., all well branched and good roots. 10,000 Vinea Minor (Orange Myrtle), 5000 Red Oak, 3 to 5 ft. Norway Spruce, 12 to 18 in.

Oak Hill Nurseries, Roslindale, Mass.

5000 LOUISIANA CANNAS

2 and 3 eyes, dark red orchid-flowering, 6-7 feet, 6c.; 200 for \$10.00.

150,000 CALIFORNIA PRIVET

3 years twice cut back and transplanted, very bushy, 2 1/2 to 4 feet, \$25.00 per 1000. Cash with order, please. Boxwood all sold.

The Cedar Hill Gardens
SEA CLIFF, L. I., N. Y.

SURPLUS STOCK FOR SPRING, 1908

Cal. Privet, 2-3 feet, 2 yrs. old. Norway Maples, 14-16 feet, 2 1/2-3 inches diam. Carolina Poplars, 10-12 feet, 1 1/2 inch. Dwarf Box, 3-5 inch, good bushy plants. Hybrid Rhododendrons, 18-24 inch and 2-3 feet. Choice varieties, and colors. Rhododendron maximum, choice collected plants in car-load lots. Kalmia latifolia, choice collected plants in car-load lots.

Write for prices.
The Morris Nursery Co., N. Y. City
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PRIVET CUTTINGS—Large and Fine

One to three thousand, \$1.50 per 1000; three of ten thousand, \$1.25 per 1000. Cash with order.

ATLANTIC COAST NURSERIES
606 4th Avenue, ASBURY PARK, N. J.

SPHAGNUM MOSS AND CEDAR POLES

Moss, 5 barrel bale, \$1.25; 12 bales, \$2.25; 5 bales, \$3.00, 10 bales, \$2.50. Poles, 2 in. diam., 7 ft. long, \$15.00 per 1000; 2 1/2 in. diam., 10 to 12 ft. long, \$22.50 per 1000, 1 1/2 in. diam., 5 to 7 ft. long, \$10.00.
H. R. AKERS, Chatsworth, N. J.

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216 Jane Street
WEEHAWKEN HEIGHTS, N. J.

P. O. No. 1, Hoboken, N. J.
Just Received From Our Holland Nurseries
Rhododendrons, Azaleas, Spiraea Japonica, Lillium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis and H. P. Roses in the best sorts.
PRICES MODERATE

BERBERIS THUNBERGII

18 to 24 in., \$30.00 per 1000
24 to 30 in., \$50.00 per 1000

Hollyhocks
Aquilegia Chrysantha
Viburnum Dentatum, etc.

Littlefield & Wyman, North Abington
Mass.

500 Trumpet Creeper, 4 yrs. at \$5.00 per 100.
300 Yucca Filamentosa, 3 yrs. \$5.00 per 100.
200 Privet, 4 to 5 ft., 5 to 12 branches, at \$6.00 per 100.
300 Berberis Thunbergii, 12 to 18 ins., 10 to 12 branches, \$8.00 per 100.
2000 Honeysuckle, 2 yrs., perfect plants at \$4.00 per 100.
200 Athens, 2 1/2 to 3 ft. Bushy, \$5.00 per 100.
20 Varieties Strawberry Plants, \$2.50 per 1000.
Asparagus, 1 and 2 yrs. \$2.50 to \$3.00.

RIVERVIEW NURSERIES
J. H. O'Hagan LITTLE SILVER, N. J.

Norway Spruce

Handsome little trees, twice transplanted, well colored, well furnished and well rooted.
500-15 to 18 in. \$5.00 per 100
500-18 to 24 in. 8.00 per 100
500-2 to 2 1/2 ft. 10.00 per 100
200-3 to 3 1/2 ft. 15.00 per 100
200 Irish Juniper 3 to 3 1/2 ft., \$12 per 100.
Maurice J. Brinton, Christiana, Pa.

ENGLISH IVY

Heavy 2 and 3 year old plants, with bright, fresh foliage, potted in 4, 5 and 6 in. pots.

AMPELOPSIS VEITCHII

2 year vines in 3 and 4 in. pots. Write for prices.

The Wm. H. Moon Company
Morrisville, Pa.

LARGE TREES
OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
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Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies
Pot Grown Plants for Forcing
RHODODENDRONS, H. P. ROSES, Etc.
Catalogue free on demand

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No connection with any other firm of similar name.
Large stock of Ornamental Trees and Shrubs, Conifers, Evergreens, etc.
Sole American Agent: J. MEERKAMP
VAN EMBDEN, Mount Vernon, N. Y.
Catalogue free on application.

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A complete line of Nursery Stock.
Shrubs a Specialty
NURSERIES, PETERSON & NORTH 40th AVES.
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The American Carnation Price \$3.50
A.T. DeLa Mare Ptg. & Pub. Co., 2 Duane St., New York

NURSERY DEPARTMENT.

Conducted by Joseph Mehan.

AMERICAN ASSOCIATION OF NURSEYRIMEN.

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

Transplanting Evergreens.

Time was when an evergreen was rarely transplanted until the completion of the setting out of deciduous stock, but that time is past, and nowadays orders are dug and shipped evergreens and deciduous stock all together, and so it should be. Evergreens need planting early, just as much as do deciduous trees, the earlier the better, as soon as the frost is well out of the ground and the soil is not too wet to handle.

When an evergreen is dug with all its roots with it and these roots are not allowed to become dry, there is no more risk with it than with other kinds of trees. The old way of digging them and loading them on wagons with but a sheet over the roots is followed now by but few nurserymen. Recognizing that the first duty is to keep the roots moist, as fast as dug each plant is wrapped in burlap, with a ball of soil to all that will carry it; and even those that will not hold a ball are the better for a little soil tied up with the roots to keep some moisture present. So successfully planted are such trees that customers note the difference and are more than willing to pay the cost of the wrapping up of the roots.

The reason for the failure of so many evergreens in former times was that an evergreen tree cannot recuperate from a drying out at the roots as can a deciduous subject. A deciduous tree can be buried up entirely if so desired, and though very dry will often be restored to vigor again. Not so an evergreen; if its roots are very dry it is in a fair way to refuse to grow, let its after treatment be what it will.

Popularity of Pyramidal Plants.

Those who sell trees and shrubs find a greatly increased demand for pyramidal forms of trees and shrubs, both of the evergreen and deciduous kinds. In the line of evergreens hardly a kind can be named that is not called for. It is especially notable in the case of evergreen box, yews, retinisporas and like sorts. Not only pyramidal kinds, but those of standard appearance as well are selling well, both in the evergreen and the deciduous line. While agreeing with those who think a natural growing tree or shrub is the most pleasing of all shapes, those of formal contour are much in place near buildings, pathways and similar positions. Where formal gardens are, it is often necessary that the shape of the trees and shrubs should fit the design intended; and every year sees more elaborate gardens of this description formed than before.

Besides their use in the places suggested, a pyramidal shaped tree, especially of an evergreen nature, adds to the beauty of a whole collection of trees and shrubs by contrast.

The ease with which these nice evergreens can be imported deters those from growing them who otherwise might do it, as other fields of work are open to them which pay them better. But there are many States in which such an industry could be successfully conducted were it ever deemed advisable.

Straight Stocks for Weepers.

Weeping trees, birch, beech, Kilmarnock willow, Teas' mulberry, Bungei catalpa and like kinds, look so much better when grafted on straight stocks, that a customer cannot be blamed who rejects a crooked one. This is the time to see to the work of preparing for straight stocks. Cut down to near the ground everything that will be required for grafting next season. If several shoots take the place of the one cut away, cut all away but the strongest and most central one. Let this shoot grow without stopping it at all, as side branches are not wanted, and when growth is over and grafting is to be done it can be cut off to its proper height. The Teas' weeping mulberry makes such a length of drooping shoots that but little of its trunk is seen in Summer, nevertheless it sells much better when the head is not supported by a crooked stem.

This cutting down of trees and shrubs to get a straight central shoot is practiced by all nurserymen to some extent. Anything that will push up vigorously after being cut back, as nearly all trees and shrubs will, are so treated in late Winter or early Spring. The forming of standard shrubs comes under the same rules, but sometimes these can be topped after reaching a desired height, and a head formed the same season.

Bush Ivies.

Ivies grown in pots in bush form are now quite popular. There is something in the name of ivy that strikes one favorably, associated as it is in so many ways with olden times. The bright green of the leaves of the plant renders it acceptable for use in so many ways when pot grown, and when so grown, with care in pruning it from time to time, the shape can be made almost any one desired.

As the berries of the ivy are not unattractive it will interest many to know that these bush ivies flower and bear fruit very early. Little bushes of but a foot or

Many make the mistake of supposing that *Cornus sanguinea* is the red twiggled dogwood, but it is not. It is the common European dogwood; its bark is slightly red, but not intense enough to be called red twiggled. *Cornus alba* misleads many because of its name; but no doubt it acquired it because of its white flowers. It is a pity, as its blood red bark in Winter is its most striking character.

Retinispora Plumosa Aurea.

Of all the many Japanese evergreen known in cultivation there are none so well known and esteemed as the *Retinisporas*. In every garden of any note not one but several kinds of the evergreens can be seen. And no one wonders at their popularity. There is something attractive in the least worthy one of them all, and when it comes to the best of the sorts there is hardly a limit to the satisfaction they give. Look at the lovely specimen we have had photographed, and note the elegance of its appearance! This one is called *Retinispora plumosa aurea*. It has been under the pruning knife every year but not, we are pleased to say, to the extent of injuring it, as the kult often does evergreens. There should be a slight pruning every Summer, before growth for the season stops. This causes side shoots to develop and thickens growth wonderfully. Our specimen shows what it does. It has, as it appears, its season's growth almost completed, and very soon should have a slight nipping in of the ends of the shoots, so as to thicken it still and fill up little inequalities that show. Too much pruning can easily be done, and, unfortunately, is often done. For instance, instead of pruning before growth stops, so that little feathery shoots will clothe it afresh before Winter comes, the task is left until all growth is over for the season, and then the tree has an ugly, stubby appearance all Winter and until growth has been made in Spring. The picture before us represents a type of good pruning.



Retinispora plumosa aurea

two in height will have berries on them. The bearing of berries by these plants is in accordance with the law for many vines. When there is nothing to cling to, the plant loses heart in endeavoring to grow in that way. It gives attention to fruiting instead. Wistarias, bignonias and other vines are often seen full of flowers when in bush form, a result that would not have occurred for years later had they been planted to a wall or tree where there was ample scope for them to ascend.

Massing of Ornamental Twiggled Shrubs.

Those acquainted with the bright barked dogwood, *Cornus alba*, and the willow, *Salix Britzensis*, as well as the yellow barked willow, *Salix vitellina*, know how effective they all are in the ornamentation of our grounds in the Winter season. These shrubs take on their colored bark with the incoming of the cold weather of Winter, losing it again when they meet the warm air of Spring. It is planting time now, and so attention is called to these shrubs, that those who have the planting of grounds may remember their uses. *Cornus alba* has its Winter bark of a dark red color. It is darker than that of the *Salix Britzensis*. This *salix* is called the flame willow, the name being supposed to convey the idea of its color. The *Salix vitellina* is called the yellow willow by some; others term it golden willow, and, really, both names mean about the same, and both describe the plant very well.

The best effect in planting comes from the use of a large number of plants together. They should be planted many together, all of one kind or combining the colors. Set in combination with evergreens, the latter as a background, the effect is very good. There remains to be said that the most effective colors come from vigorous young shoots, and to get these there should be a close pruning of the shrubs every Spring.

It will bear saying that in many positions this evergreen and others are better let grow as they will, just as nature directs, unless some great unnatural defect appears. On a large lawn, away from dwellings, an evergreen of entirely natural growth is far more in place than one closely trimmed. This is where the good judgment of the gardener must be shown. Many a grievous example of too much pruning exists around us, and this is why we are pleased to illustrate a tree showing good pruning.

Retinisporas delight in good soil. If well drained, we have known them to thrive well in quite damp ground; but never make the mistake of planting them in cold ground where water cannot get away easily.

Although its general good growth is what makes it valued by planters, it is the golden foliage that counts for the most. Think of the beauty of this fine tree with its golden tinted foliage! And, as already intimated, but a glance at it will confirm what we say of the general usefulness of it and all *retinisporas* of like growth, wherever evergreens are to be planted.

JOSEPH MEHAN.

WESTERN NEW YORK HORTICULTURAL SOCIETY. The Rochester (N. Y.) Democrat and Chronicle in a recent editorial pays a high tribute to the efficient work of this organization, the membership of which is now 1,136. Of President W. C. Barry the editor says:

"For more than seventeen years the office of president of the society has been ably filled by William C. Barry, of this city, and to his intelligent activity and unflagging interest much of the success of the society is attributable. As an expert, technical and practical horticulturist Mr. Barry stands at the head of his profession; for horticulture as exemplified by Mr. Barry and his colleagues in the society has come to be justly classed as an important profession."

"It is largely, if not entirely, through the efforts of this society that Western New York has reached a high position as a fruit-growing section, a position which is unexcelled elsewhere. From the beginning the society has stood for advancement, for better culture and for the uniform upright dealing which makes for success in every great as well as in every small industry."

California Plant Notes.

Of all the flowering shrubs grown on this coast, for striking effect none equals the Chinese rose, Gloire de Rosmanes, known by the common name of ragged Robin. Semi-double, the flowers, of a dark crimson color, are borne in great clusters ten months of the year if the plant is well fed and well watered. Unlike any other member of this extensively cultivated family of plants, it requires no season of rest; the only check it receives here in producing its wealth of bloom is the low temperature that sometimes prevails during the Winter or rainy season. As a cut flower it is of no value, since the buds are borne on short pedicels, and the blooms, which soon drop their petals after opening, are undesirable for that reason. One of our largest nurseries uses it extensively as a stock for other varieties.

The merits of our native shrub *Gillia californica* as a cut flower has only recently been learned by the writer. Branches cut and placed in water developed every bud into a perfect flower, covering a period of sixteen days. The foliage of this subject is short, sharp, and so rigid that many an enthusiast has felt its sting for hours after rushing into a clump to collect a handful of the beautiful bright flowers, the size of a quarter, getting a handful of prickles and pain at the same time. Because of this characteristic it is known as "prickly phlox."

Another of our native shrubs little known and less appreciated is *Mimulus glutinosa*, an evergreen that is found in perfection in our interior valleys where the temperature is high in Summer and low in Winter. It grows equally as well and flowers quite as profusely along the coast where fogs prevail and the temperature is more nearly the same throughout the year. The flowers are of large size, of a beautiful cream color. Payne, our wild flower specialist, recently found one with flowers almost as dark as those of *Mimulus cardinalis*.

The glory of our hillsides at present is the various varieties of "California lilac," *ceanothus*. Why this shrub has not been introduced to general cultivation is one of the unsolved mysteries of horticulture. Certainly nothing now grown for ornament excels it in beauty when in flower. The feathery panicles of bloom, 12 to 18 inches in length, some white, others light lavender colored, are as graceful and airy as sprays of *Rhus cotinus*.

The floriferous character of our sea dahlia, *Leptosyne maritima*, is wonderful when the plant is under cultivation. The one in my care has not ceased to bloom the entire Winter. The light yellow flowers are two inches in diameter, borne on strong stems 18 to 20 inches long, which makes it a fine subject for cutting. When residents of this coast who wish to embellish their grounds get wise enough to use native plants, we shall have quite as attractive places as we have with our present system of using exotics, and that, too, at much less cost of maintenance.

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OTAKA MONSTROSA \$6.00 per 100; 5 in. \$2.00 per dozen; \$15.00 per 100; 6 in. \$2.00 per 100. A limited number of large plants, 10 in. pots, \$1.00 each; all pot grown.
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E. FRYER, JOHNSTOWN, PA.
Introducers and growers of carnations who supply the trade with rooted cuttings will find this a very favorable time for placing an advertisement in THE FLORISTS' EXCHANGE.

Jottings for Florists.

Now is the time to make copious notes as a guide for next Easter. Let them be explicitly and plainly written, so that they may be readily understood, and they should be placed on file where they may be found when needed. It is astonishing what comfort such notes are when consulted for future guidance.

What is the future of the trumpet-shaped lily, which has taken its place as the typical Easter flower? Our first acquaintance with it was as *Lilium longiflorum*, which some experts say is a variety of *eximium*; then came *L. Harrisii*, introduced and popularized by our veteran Philadelphia grower. A little later we had *L. floribundum* which Joseph Kift & Son exploited, but as both had a common origin in the island of Bermuda they gradually became known as the *Harrisii* or Bermuda lily, and now the name *floribundum* is rarely made use of in connection with the Easter lily. F. R. Pierson of Tarrytown, N. Y., was early interested in the growth and development of the lily industry in Bermuda. Then the lily disease scare began to confront the growers of lilies for Easter; other sources of bulb supplies were looked for, and for a time good results were had from Japanese grown bulbs, but the demand was so great that the Japs were put to their wits' ends to supply it, when lots of a decided mixture began to appear, possibly raised from seed without any judgment being exercised in the selection of the seed-bearing plants until much of the Japanese grown stock became of doubtful quality. Now we have the giganteum, the multiflorum, and bulbs grown in the Azores.

We expect to hear something interesting about the lilies grown in the island of Formosa in the near future. I. Rosnosky of the H. F. Michell Company will address the members of the Florists' Club of Philadelphia on this important subject at an early meeting.

I had thought in my innocence that a trumpet-shaped lily, no matter what the size, would do for Easter, but George Craig, who has been close to the retail end of the florist business practically all his life, put me wise on that point. He favors the giganteum type as being more showy, because larger, flower patrons apparently receiving more for their money.

As a general rule left over stock of genistas should be thrown away after the third year. This advice of course does not hold good when large specimens are required. We have some small plants in 3-inch pots now in bloom, the cuttings of which were put in the propagating sand the first week in November last. Those in 6-inch pots we had in bloom before Easter were rooted in January, 1907. Some of these were trained in pyramid shape, and I believe it is wise to have a few in all groups of genistas trained in that way.

What a beautiful flowering plant is the hybrid pelargonium "Alliance"! The individual flowers are large and double, and the truss is also big. The coloring is a soft and delicate blush shade, with some of the upper petals feathered with crimson. It is believed to be the result of a cross between one of the zonal pelargoniums and a variety of petatum or ivy-leaved pelargonium. It has the appearance of being a good grower and free bloomer and it ought to be a good plant to grow for Easter. I do know there are few better plants for the home than most of the ivy-leaved type of pelargoniums. I have seen them trained and grown to be quite good-sized plants in one season—eighteen inches high and fifteen inches through.

This is not the first hybrid pelargonium that has been raised between the two species above indicated. We have to be careful how we make use of the words *hybrid* and *hybridizing*, especially among carnations, now grown so extensively for cut flowers, which, according to my understanding, are the results of cross-breeding and selection, and not of hybridizing between two distinct species, as this pelargonium above referred to is.

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Nephrolepis Scottii, 9 in., \$1.50 each.
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1657 Buckingham Place,
CHICAGO, ILL.

It appears there are at least three sports from the rose Mme. Abel Chatenay, each producing darker colored flowers than the variety from which it sported, and they are known by three different names—as Red Chatenay, Alice Roosevelt, and Mrs. Potter Palmer. The question arises, Are they distinct from each other?

The name Alice Roosevelt was given to a dark colored sport of Mme. Abel Chatenay, which originated with the American Rose Company at Washington, D. C. and was named by Benjamin Durfee after being granted permission to do so by Theodore Roosevelt, President of the United States. It is understood that Mrs. Potter Palmer originated with Pochlmann Brothers Company. With whom did Red Chatenay originate?

It is stated on good authority that the rose which originated as a seedling with Paul Niehoff, Leighton, Pa., and named Aurora—and later Mrs. Niehoff—is so nearly like Mme. Abel Chatenay that experts fail to see any difference. I have heard the parentage of this rose, but cannot at this time call it to mind. One parent I believe was Bon Silene, but the other has escaped me entirely. It would be interesting to know what was the parentage of Mme. Abel Chatenay. EDWIN LONSDALE.

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Prices \$2.00 per 12; \$12.00 per 100; \$100.00 per 1000.

WILLIAM SIM, Cliftondale, Mass.

GARDENIAS

(Grandiflora Cape Jessamine Buds)



One Dozen Gardenias One Week After Cutting

THE season will open extra early this year; probably by May 5th, and continue into June.

We are especially anxious to extend trade in the New England States, also in New York, Pennsylvania, Ohio and New Jersey. The average express charge to points in this zone, for flowers in large lots, is about 30c. per 100 buds.

Last year we enclosed all our long haul stock in glassine paper, and a New Jersey florist wrote, "The Gardenias came through in perfect condition, and were as fine and fresh as if just cut from our own greenhouse." This shipment was four days en route.

We have several customers in the New England States to whom we have shipped annually since 1893.

Our May sales on orders in 1907 were over 600,000 buds.

Orders should be placed early to insure acceptance.

Standard stock, good foliage and finest quality buds, per 1,000 \$7.50
Five Hundred at Thousand Rate
On orders of 3,000 or more, per 1,000 \$6.50
Less than 500 buds, per 100 85c.

G. W. BENSON & COMPANY ALVIN, TEXAS

CHRYSANTHEMUMS

100,000 Plants, now ready, in 2 1/2 in. pots of all the novelties and standard varieties. The best American and Australian seedlings, and a complete list of the new singles.

ROSES

Rhea Reid and Mrs. Jardine, \$4.00 per dozen; \$30.00 per 100. Grafted Brides, Maids, Richmond, Killarney, \$12.00 per 100; \$100.00 per 1000. Own root Brides and Maids, 2 1/2 in., \$3.00 per 100; \$25.00 per 1000.

BEGONIA Gloire De Lorraine, \$15.00 per 100; \$145.00 per 1000.

CHAS. H. TOTTY, Madison, N. J.

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ELEGANT ROOTED CUTTINGS

Jones, white \$1.75 \$15.00
Ivory, white 1.75 15.00
Bonnaffon, yellow 1.75 15.00
Golden Wedding, yellow 1.75 15.00
Maud Dean, pink 1.75 15.00
2 1/2 in. plants, \$20.00 per 1000.
Giant White DAISIES, \$1.75 per 100.
We guarantee to give satisfaction or money refunded.
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VIOLETS

PRINCESS OF WALES

All frame-grown. Our violets brought highest prices in Boston Market at Easter.

\$5.00 per 100 clumps.

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Strong, healthy rooted runners of Lady Campbell and California, \$1.00 per 100; \$5.00 per 1000. Fine sand-rooted cuttings of Lady Campbell, \$1.00 per 100; \$7.00 per 1000. None but healthy, well-rooted plants sent out. A full stock of field-grown plants of the above ready in August.

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Jeanne Nonin 1.50

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Dr. Engobard \$1.50
Glory of Pacific 1.50

A. F. LONGREN, Satisfaction Guaranteed Desplaines, Ill.

100,000 CHRYSANTHEMUMS

Fine, Vigorous Stock

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Byron, Ivory, Bonnaffon, Jones, J. J. Mitchell, Nonin, Polly Rose, Touset.

PINK

Maud Dean, Minnie Bailey, Dr. Engubard.

YELLOW

Appleton, Bonnaffon, Jones, Eaton, Wedding, \$3.00 per 100; \$25.00 per 1000.
Rooted Cuttings, \$1.50 per 100; \$15.00 per 1000.

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\$2.00 per 100; \$18.00 per 1000; Rooted Cuttings, \$5.00 per 1000; Golden Bedder, Verschallertli or assorted 12 varieties.

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WHITE—Timothy Eaton, Mrs. Geo. S. Kolb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touset, Jeannette Nonin. PINK—Glory of the Pacific, Mary Mann, Dr. Engubard, Maud Dean, Rosiere. YELLOW—Major Bonnaffon, Crema, Robt. Halliday, "Baby," small yellow. \$2.00 per 100; \$15.00 per 1000. Cash with order.

WM. SWAYNE, P. O. Box 226, Kennett Sq., Pa.

Chrysanthemum Rooted Cuttings

MONROVIA, MAUD DEAN and J. NONIN. Rooted Cuttings for March delivery. \$2.50 per 100.

ANTON C. ZVOLANEK, BOUND BROOK, N. J.

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Weekly Medium of Interchange for Florists, Nurserymen
Seedsmen and the Trade in General

Exclusively a Trade Paper.

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THE NATIONAL FLOWER SHOW, under the auspices of the S. A. F. O. H., will be held at Chicago, November 6 to 15, 1908. William F. Kasting, Buffalo, N. Y., is chairman of the show committee.

The Easter Trade of 1908.

From the reports received from the large centers of the country, published in this week's issue, the Easter trade of the present year was in general satisfactory. The weather on Saturday was most inclement, and to an extent militated against the total sales.

It was again a plant Easter although cut flowers were also in great demand. Regarding the latter it is pleasant to note by the various reports that little or no "pickling" of stock was practiced this year.

While the volume of business done in all lines was very gratifying, the prices received were not up to those of previous years, and the aggregate returns are reported from 15 to 40 per cent. smaller than last year.

There was an abundant supply of all kinds of stock, and of good quality, especially of lilies, which, although experiencing an enormous demand, were in oversupply in some cities, particularly New York, where many thousand blooms were left unsold. This may be accounted for by the fact that lilies appear to have been grown in larger numbers than heretofore, as far as this market is concerned.

Among plants, azaleas continue to lead in popular favor. Lilies were in strong demand, as were spiraeas, hydrangeas, roses of medium-priced grades, and potted bulbous flowers. The once popular genista seems to have lost its hold, and is not now called for to any extent.

Nothing in the line of novelties is reported. We ask our readers located in the several cities from which reports have been received, to peruse carefully the remarks of our correspondents, as a guide to the needs of Easter, 1909, which comes on April 11.

THE CAMPELLIA'S CENTENARY.—P. J. Berckmans says the first camellia that was brought to the United States reached Charleston, S. C., in 1808 and the original tree is still in fair condition. It has reached a height of more than 25 feet.

The Daily Press and Easter Trade.

We have been greatly gratified to observe that this year the daily press has devoted large quantities of space to articles dealing with floral supplies for the Easter trade, prices, etc., perhaps to an extent greater than for any former similar occasion. And, best of all, the information that has been imparted has, with but few exceptions, been of a character largely lacking the exaggerations and foolish misstatements that have previously been presented.

This improvement can, no doubt, in a great measure, be attributed to a saner policy adopted by the members of the trade themselves, in furnishing correct statements concerning stock and its value to the newspaper reporters, who are dependent on the craftsmen for the data that go to make up the groundwork of the Easter flower stories appearing in the daily newspapers for perusal by the general reading public. There can be no question that the heretofore reports of alleged scarcity of flowers and consequent reputed high prices had an injurious effect on the total sales at Easter, for it cannot be gainsaid that in a large degree at least, public opinion is molded by what the people read in the daily papers.

This year the one flower singled out for exploitation in a manner somewhat different from what we have been accustomed to read about it, was the lily, regarding which it had been repeatedly and extensively reported that, on account of alleged large importations of buds from Bermuda, lilies would be sold abnormally cheap this Easter. The story of large arrivals of buds from Bermuda was greatly exaggerated; and it was the experience of some dealers that, owing to this report, it was impossible to obtain a remunerative figure for lily flowers. The subject was discussed by the New York Florists' Club at its last meeting, the consensus of opinion in that body being that the statements relative to cheap prices of lilies would prove an antidote to the former reports of excessively high rates for Easter flowers, and therefore were not an unmixt blessing. This is debatable ground, it seems to us; and from our market report this week, so far as New York at least is concerned, the sale of lilies has suffered to some extent, numbers of these flowers and plants being left over from the festival.

The reason of this seeming falling off in popularity of the lily is worth while inquiring into. It is just possible that the available supply has exceeded that of previous years. One thing is certain; this year the appropriateness of the Bermuda lily as a flower symbolical of Easter has been attacked in the daily press, as witness the following editorial article appearing in the New York Times of March 25 last, which was largely copied by other newspapers throughout the country:

The big white lily, grown in profusion in Bermuda and elsewhere to meet the annual demand for floral symbols of Easter in New York and its neighborhood, is not essentially an Easter flower, and its recent association with the commemoration of the Resurrection has no historical significance. White lilies, to be sure, figure in some of the early religious portraiture. The little white lily of the woods, a flower of early Summer, has long been associated by the poets, including Shakespeare, Keats, and Tennyson, with modesty and purity. But the big Bermuda lily is not a symbol of modesty and has inspired no poet. Apart from its religious significance, Easter is the Spring festival, and the real flowers of early Spring, the tulip, the daffodil, the wild arbutus, are its more appropriate floral symbols. We derive our name for it from Ostara, the Saxon goddess of the East and the dawn. In Latin countries they cling to variants of the Arabic "pesach" (passover) as pasqua, pasqua, pâques. If there is such a flower as "the resurrection lily," it must be the small purple lily of Palestine.

As a matter of fact, when the lily is mentioned in other seasons, we never think of Easter. "Consider the lilies of the field," Solomon, in all his glory, was not so arrayed. Flowers gorgeous in color are brought to mind. To paint them, cries Salisbury, in "King John," were "wasteful and ridiculous excess." The fleur de lys of France is blue. The tiger lily, the panther lily, the red lily are as common in botany, if not in Bermuda and the Easter markets, as the big white lily.

All the Spring flowers are, fitly, symbols of the Resurrection, the renewal of life after the killing frosts, and commerce has made the Bermuda lily a Spring flower. There are sweeter flowers and lovelier. The lately developed Easter lily resembles somewhat the blossom of the despised jimson weed, though it seems not nearly so beautiful to the artist's eye.

Just how much an article of this character, with its comparison of the lily flower to that of the jimson weed, unfavorable to the former from an artist's standpoint, as alleged, has had its influence on the sales of lilies for the Easter just passed, it is difficult to say. Unquestionably it has had an influence, and a militating one at that; how best to counteract the harmful effect created by this and kindred outbursts should receive the best consideration of those most vitally interested. Such attacks would not be likely to appear in daily newspapers carrying the advertisements of retail florists; herein may lie a partial remedy. Further, and as assisting toward the desired end the establishment of "press committees," by the florists' clubs throughout the country appears to us to be a wise measure; and the furnishing to the newspapers of correct information, as far as can possibly be done, both as regards supplies and values; the challenging of erroneous statements concerning the florist business when they do find their way into print, would be steps in the right direction.

Hearing on Mann Pure Seed Bill.

The committee from the American Seed Trade Association appointed at the meeting held in Chicago last week, and a delegation of other seedsmen, went to Washington this week, and appeared before the foreign and interstate commerce commission relative to the Mann Pure Seed Bill. There were present at the hearing President Green of the American Seed Trade Association, Charles Dickinson, Chicago; C. N. Page, Des Moines, Ia.; J. C. Vaughan, Chicago; Jerome B. Rice, Cambridge, N. Y.; E. V. Hallock, Queens, N. Y.; F. W. Bolgiano, Washington, D. C.; Henry Wood, Richmond, Va.; Mr. May, Alexandria, Va.; W. P. Stokes and Mr. Dungan, representing W. H. Maule, Philadelphia; Mr. Smith, legal adviser of the credit department of the Wholesale Seedsmen's League, Boston, representing the firms of Joseph H. Breck & Sons, W. W. Rawson & Company, Schlegel & Fottler, R. & J. Farquhar & Company; Alex. Forbes, representing Peter Henderson & Company, New York, and S. F. Willard of Wethersfield, Conn.

On Monday a delegation appeared before Mr. Mann at the Capitol and had a lengthy conference with him on the bill, pointing out those portions of the act which seem to the seedsmen desirable to change. Mr. Mann made note of the suggestions submitted, for his own personal use, and the seedsmen were very well pleased at the results of the conference, believing that they had done good work in bringing before Mr. Mann the points which they considered would bear somewhat hard on the seed trade in the practical carrying out of the act.

On Tuesday the hearing before the foreign and interstate commerce commission took place. There were present, in addition to the seedsmen mentioned, Professor Albert F. Woods, Professor W. W. Tracy, and Edgar Brown, representing the Department of Agriculture. The hearing before the committee lasted from 11 o'clock till about half-past four. Mr. Mann, who is in charge of the bill, was exceedingly patient and courteous, and gave every one a chance to state his views upon the matters at issue. Many difficult questions were asked by the members of the committee and answered by the seedsmen. The disclaimer of the seed trade seemed to interest the committee very much, and the seedsmen tried to impress upon them the fact that it would be practically impossible to make the seed trade responsible in following the crop from the time the seed was sown until harvested. The seedsmen believed that the bill would be practical and of service to themselves and the farmers if the clauses and sections were confined to seeds that were distinguishable in the grain, as against those they could tell nothing about by examination. The vagaries of germination of seeds were also fully explained; and it was pointed out that if nature failed to furnish seed of a high germinating quality, the seedsmen could not be held responsible for that condition.

Mr. Mann finally agreed to hold over the bill for the present year. This will give time to the seedsmen to further consider the matter. It is believed by all those present, that a very favorable impression was made by the seed trade delegates on the committee and on Mr. Mann himself, and that favorable modifications in the bills are likely to result from the hearing.

The Supreme Test.

The supreme test of the advertising value of a newspaper is—does it carry the bulk of the advertising? A newspaper which prints the most advertising, month after month, year after year, is always the best medium. This is true in New York, Boston, Philadelphia, as well as in Chicago.—Chicago Tribune.

This test would undoubtedly be the "supreme" one, provided every newspaper had the same rates, and adopted the same tactics. This they, fortunately, don't do. Bulk is not always a sign of good advertising service. Sometimes it is the outcome of a mania; the swollen condition being brought about by swallowing everything in sight, whether ordered inserted or not; by doubling space without authority, by throwing in cuts gratis and charging nothing for the space they occupy. To obtain bulk by tactics such as these is the easiest thing in the world. This might and does look like printing the "most advertising," but it is as delusional and foolish as the desire of the inflated toad that wanted to be taken for an ox.

The "supreme test" of the value of a trade paper, at least, as an advertising medium, is when in spite of the meanest kind of competition it carries the "cream of the advertisements" available, these carefully selected, that, too, year after year; and when advertisers, who have been lured away by unbusiness-like practices and cheap prices, instead of by remunerative service, have returned to the medium that brought them results, one the business methods of which were correct, ensuring the confidence of its subscribers and advertisers. The Florists' Exchange is in the latter category we are glad to say.

OUR READERS' VIEWS

Lily Buds from Bermuda.

Editor Florists' Exchange:

My attention has been drawn to the fact that an impression prevails among certain florists in America that large quantities of lily buds are shipped from Bermuda for the Easter trade, thereby coming into competition with stock grown from Bermuda bulbs in the United States. One statement, published in your columns I believe, shows 10,000 cases to be expected on the Easter steamer. May I be permitted to report that only 800 cases went by the SS. Trinidad, on April 11, which was the Easter steamer, as far as lily buds are concerned; and most if not all of these were sent to private families by friends staying in Bermuda, and supplied in small lots by cottagers who leave their bulbs in the little gardens about the houses.

Not a single case was sent by the large growers who supply mature bulbs in August to the trade, for they, years ago, learned that such a procedure would be distinctly against their own interests.

T. J. HARRIS,
Superintendent Public Gardens.

Bermuda.

Araucaria Imbricata.

Editor Florists' Exchange:

On reading Mr. Meehan's interesting notes in your issue of April 4, I observe he states a friend from Kentucky wants to know if the Araucaria imbricata (monkey puzzle) would winter in Delaware. Here in Northern California we often get a few weeks of quite severe weather, as low as 22 to 25 degrees of frost. About nine years ago I planted two plants of A. imbricata, about 2 1/2 feet high. They have proved quite hardy and now are about 18 feet high. They were planted in rather low ground. On my native heath in England the Winters were quite cold and long and trees of this araucaria 25 feet high were common; so I think it would be worth trying. It would be well to remember not to plant too close to a walk or drive, as the tree has quite a spread at the bottom, and if it has to be cut at all its beauty is spoiled.

I might say, since planting mine, one morning about 7 o'clock the thermometer registered as low as 8 degrees.

I hope this may interest those intending to plant this beautiful tree.

Grass Valley, Cal. ABRAM CLEMO.

Plant Traffic to South Australia.

Editor Florists' Exchange:

For several years your paper has been of great advantage to me when importing the American chrysanthemums and carnations; and in many other respects. Since the mail service from San Francisco stopped, I have not been able to import carnations, as the present route takes too long; therefore, my interest is not so keen. Your postal service is of no use to us, as the weight for parcels is only 4 pounds. I think the United States Government and South Australia should allow plants to come in up to 11 pounds, having the plants in the ball.

As you are aware, I have the honor of first introducing the American carnation to Australia, and it has taken on well for its productivity, perfume and hardiness. I hope a quick service will again come to pass, so that plants can reach us in a month. Also that you may see your way to suggest a heavier weight for parcels, (in plants especially).

North Adelaide. JAMES REGGS.
[So far as we can ascertain, the mail service between San Francisco and Australian ports is still in operation, though a change has been made in the steamship line plying between these points. The line now in operation is, perhaps, ten days slower than the one previously utilized.]

As regards parcels post traffic, it is possible for our correspondent to secure the services of an agency either at Vancouver, or Victoria, B. C., from both of which ports steamers sail to Australia, and by doing so obtain the British Colonial parcels post rates and weights. It is doubtful, however, whether any monetary gain would be accomplished by this plan.

The letter of our correspondent demonstrates the great need of a change in our parcels post regulations with foreign countries; and we her Postmaster-General Meyer, after securing his proposed improved domestic service by parcels post, will turn his attention to the foreign service. Ed. F. E.]

The Alpha and Omega of the Sweet Pea.

Editor Florists' Exchange:

On looking over the March 28, 1908, issue of your paper, I was much interested in the article by my friend, Mr. S. B. Deeks, giving an early history of the sweet pea plant, and thought that perhaps the enclosed description taken from the second volume of Curtis's Botanical Magazine, published at the Royal Botanical Gardens of England in 1787, would be of interest to your readers. It is accompanied with a full page hand-painted plate, showing one good sized full open flower and one half expanded bud of sweet pea. The flower is fully as large and handsome as the ordinary varieties of sweet pea grown now, with dark crimson standard and violet wings. It will be noted that the variety which is still listed in many catalogues as Painted Lady was evidently the most popular variety at that time, if we may judge from the prominence given it in the description. It is only within the past dozen years that it has been dropped out of most seed catalogues, being replaced by other sorts of the same pleasing color, but with larger flowers.

Des Moines, Ia. CHAS. N. PAGE.

[DESCRIPTION REFERRED TO.]

Lathyrus Odoratus. Sweet Pea, or Vetchling.

There is scarcely a plant more generally cultivated than the sweet pea, and no wonder, since with the most delicate blossoms it unites an agreeable fragrance.



The Late F. P. Davis

See Obituary page 549, issue of April 18, 1908.

Several varieties of this plant are enumerated by authors, but general cultivation extends to two only, the one with blossoms perfectly white, the other white and rose-colored, commonly called the Painted Lady pea.

The sweet pea is described as a native of Sicily; the Painted Lady variety as an inhabitant of Ceylon. They have both been introduced since the time of Parkinson and Evelyn.

It is an annual, and not a very tender one; seedling plants sown in Autumn frequently surviving our Winters.

As it is desirable to have this plant in flower for as great a length of time as possible, to have them early, we must sow them in the Autumn, either in pots or in the open border; if sown in pots, they can be more readily secured from any severe weather by placing them in a hot-bed frame, a common practice with gardeners who raise them for the London markets, in which they are in great request; others again should be sown early in the Spring, and the sowing repeated every month; they grow readily in almost any soil or situation, and by this means may be had to flower most of the year through.

If sown in pots, care must be taken to water them frequently.

AMERICAN ASSOCIATION OF NURSERYMEN.—As previously announced the thirty-third annual convention of this organization will be held at Milwaukee, Wis., June 10, 11, and 12. The annual fee was last year raised to five dollars. The Western Passenger Association announces that fares based on about two cents per mile in each direction will, within that Association's territory, be available for the convention, and have been tendered to connecting lines for basing purposes. Nurserymen intending to be present at the meeting outside of favored territories should take up the railroad rate question early so that they may obtain the benefit from the nearest point from which reduced fares are available.

The Trans-Continental Passenger Association (office, Railway Exchange Building, Chicago, Ill.) has announced special fares from North Pacific Coast points to Chicago and other eastern terminals—dates of sale June 5 and 6. Also reduced fares from California

points, date of sale June 3. The tickets will be good for 30 days and approximate one first-class plus \$10 for the round trip.

Arrangements are being completed for a special train from Chicago to Milwaukee on June 5. Messrs. Carl Cripp of Vaughan's Seed Store, and E. G. Gage of the Peterson Nursery Company, have kindly consented to act as a special local committee in Chicago to perfect arrangements as to starting time, to provide a general meeting place and to make all as comfortable and happy as possible, while the "round up" for the special train is going on. Inquiries regarding this feature of the trip may be addressed to this committee.

The exhibits committee has secured two large rooms on the first floor of the Plankinton Hotel. In these will be exhibited colored plates, lithographs, labels and all smaller exhibits. The heavier exhibits will be placed in a vacant store on the ground floor of the hotel. From present indications, there will be ample room for all exhibits. The committee desires entries for exhibits of everything that will interest nurserymen, including nursery stock, tools of all descriptions and useful office appliances, records, etc., and in fact, everything that will interest and be of benefit to the nurseryman, whether in the field or in the office. Applications for space must be made prior to the first of June, and same must be addressed to Thomas B. Meehan, chairman of the committee, Dreshertown, Pa.

Advance information which comes from the program committee indicates that the program will be complete, with papers on very interesting subjects. It is likely, however, that the program will not be so full as it has been at other meetings, leaving more time for the discussion of the various papers and for the transaction of other business.

All sections of the country are being drawn from in arranging the program. H. D. Shupson, of Vincennes, Ind., will discuss "The Pecan," thus recognizing the increasing interest in the production of nut trees. M. McDonald of Salem, Ore., will discuss "Horticultural Inspection Laws as They Affect the Nurseryman." This paper is of great importance to nurserymen, for the inspection laws of some of the Northwestern States have greatly interfered with trade in a section where fruit growing is being developed most rapidly at this time. Others who will speak are: Judge Eugene Stark, Louisiana, Mo., "A Few Points on Improvements;" J. B. Pilkington, Portland, Ore., "Elements of Success in the Nursery Business;" H. H. Hume, Glen Saint Mary, Fla., "Semitropical Thoughts for the Nurserymen."

The secretary is informed that T. J. Ferguson is making arrangements for local entertainment and outside features while at Milwaukee, and this work could not be in better or more energetic hands.



Edwin Hoyt.

Edwin Hoyt of the firm of Stephen Hoyt's Sons Company, New Canaan, Conn., died April 17, and was buried April 20. In the demise of Mr. Hoyt New England loses one of its oldest nurserymen. His age at the time of his death was 76 years. He suffered from pneumonia, with other complications, having been taken ill on Sunday, April 12.

The nursery business of Stephen Hoyt's Sons Company was started in 1819 by Stephen Hoyt, the father of the deceased. After Stephen Hoyt's death, the business was carried on by his sons, James and Edwin Hoyt, under the firm name of Stephen Hoyt's Sons. In 1901, the business was incorporated under the name of Stephen Hoyt's Sons Company, of which Edwin Hoyt became president and manager and remained so until the time of his death.

Mr. Hoyt was uniformly courteous to the younger firms of nurserymen, to dealers in nursery stock and to all customers. He was a member of the Grange and of the pomological society of the State and was considered an authority on horticultural matters. In the nursery business, to which he was strongly devoted, he was ambitious, energetic, far-seeing, and a great worker. Under his management the business grew from small to great proportions, to be one of the largest, if not, the largest nursery firm in New England; but with all his ambition, he was a just man, and no mistakes were made in his business which he would not rectify if properly explained to him. The business of the firm will be continued under new management.

Mr. Hoyt was in 1888 a member of the State Legislature from New Canaan and a member of the State Board of Agriculture, vice-president of the Board of Control of the Connecticut Experiment Station and a member of the Connecticut Nurserymen's Association, chairman of the board of trustees in the First Congregational Church of New Canaan and a member of the Board of Deacons, being also otherwise actively interested in the town in which he lived. He was president of the First National Bank of New Canaan, and had large property interests which will probably inventory from \$200,000 to \$400,000.

He is survived by his brother, James, a widow, three daughters and one son. The funeral was held at his late residence and was largely attended by people from different parts of the State and from New York, as well as by his neighbors and friends. The sad and sacred duty of bearing the remains to the grave was performed by his foreman, Edward Kelley, and his brothers, Messrs. Frank, James, and Harry Kelley, all assistants formerly in the nursery for many years.

F. E. C.

Hitchings & Company's New Factory at Elizabeth, N. J.

As Seen by the Camera and the Camera Man

When it comes to family history, you and I are decidedly bored when a man begins to tell us how his great-great-grandfather came over in the Mayflower and all that sort of thing; what interests us in these days of hustling activity is not what a certain dead man was, but what the live man is—what he stands for! Has he made good? That's the vital point.

But when it comes to large industries covering acres and acres, and shipping carloads of materials daily, it is a little different. The number of years they have been established is not only interesting, but in many cases it has much to do with our confidence in a concern.

The mere existence of an immense plant like this one just completed for Hitchings & Company, at Elizabeth, N. J., and devoted entirely to the manu-

facturing of greenhouse materials and equipment, is most convincing of itself; but when you realize that up to only 16 years ago this company devoted all its energies solely to the manufacture of boilers, it shows what a tremendous development the concern's greenhouse business is, and how it has kept pace with other manufacturing lines.

Here is a model plant—model in construction, equipment, fire protection and shipping facilities.

Eighteen months ago this was a bare plot of twenty-eight acres; to-day, fifteen and one-half acres are fenced in and utilized.

Construction of Buildings

The buildings are constructed of heavy concrete walls up to the windowsill line, with brick walls above. The lower floors are concrete, the upper,

heavy flooring, supported on yellow pine beams and iron girders. The partition walls of brick extend above the roof several feet, to prevent the spreading of fire. All door openings in partitions are equipped with self-closing fireproof doors. Every building is fitted throughout with an automatic fire sprinkling apparatus. Six fire hydrants and three fully equipped hose houses are located at various points on the grounds. In addition to the city water, they have a large storage reservoir placed near the fire pump. This pump will throw four 2 1/8-inch streams, and is kept under a constant steam pressure of 50 pounds day and night. In one sense this fire equipment may seem somewhat incidental to you, but after all it is not alone a protection for the owners, but an equally important insurance to customers. A fire that could destroy the materials for a house ready for shipment or the patterns and templets for the boilers seems impossible with such a protection.

The actual floor space in the buildings will be 76,198 square feet when the storage house, 60x205 feet, now under construction, is completed.

Now let us imagine we are walking around the plant, with a view of getting sort of a general idea of it. The first time I went over it with Mr. Armitage and Mr. Sefton, we started at the office end, but the power plant being the starting force for all the machinery, perhaps we had better commence down the line and work up.

The Power Plant

The power plant is located opposite the foundry and from here the steam generated by two high pressure boilers is carried to the two engines, one each in the foundry and the wood and iron construction shop. You will see that when the photo was taken they were still at work on the hopper of the blower system which carries all the shavings from the carpenter shop and supplies them to the boilers as fuel.

Foundry and Boiler Shop

The photograph of the foundry and boiler shop was taken from the top of the woodworking shop, looking across the space where the new storage house is being erected. In this view one is not only impressed with their size, but the large number of windows, making these buildings unusually light and easy to ventilate.

We happened in the foundry just as they were making the afternoon "pour," to cast all sorts of things, from immense boiler sections down to iron pipe and ventilating machinery parts.

The hot metal as it poured forth from the cupola vent was caught in a large ladle hung on the frame of a tram which was pushed to various parts of the building, and the metal emptied into the hand ladles from which in turn it was poured into the moulds.

Mid the glare of the hot metal, the shouts of the men, the explosions of gas in the moulds and the sharp penetrating exhaust of the compressed air cranes, it seemed as if the Old Boy himself were let loose. But each man knew his work. No false moves. In an incredibly short time, with shouts and fragments of song, a red hot boiler section was snatched from the mould by the crane and was soon landed in the cleaning room where, when cool, all sand would be removed, the rough places smoothed off with the pneumatic chipper, finally to be given a high pressure test for imperfections.

Next, we see the sections in the boiler shop, where in the clutches of a very expensive, finely adjusted machine, all six nipple holes are bored at once to an accuracy of a hundredth of an inch. After leaving this machine, the sections are assembled and the boiler set up complete and given a final test.

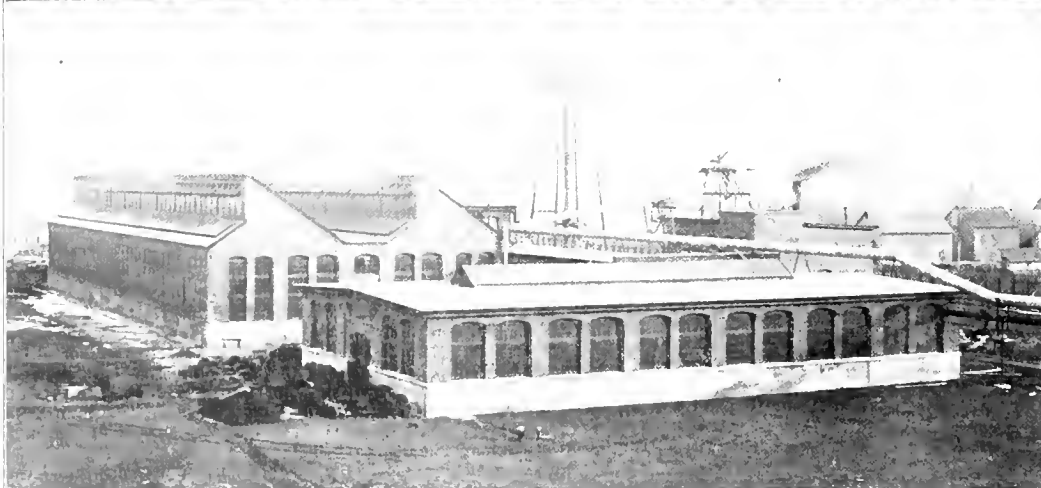
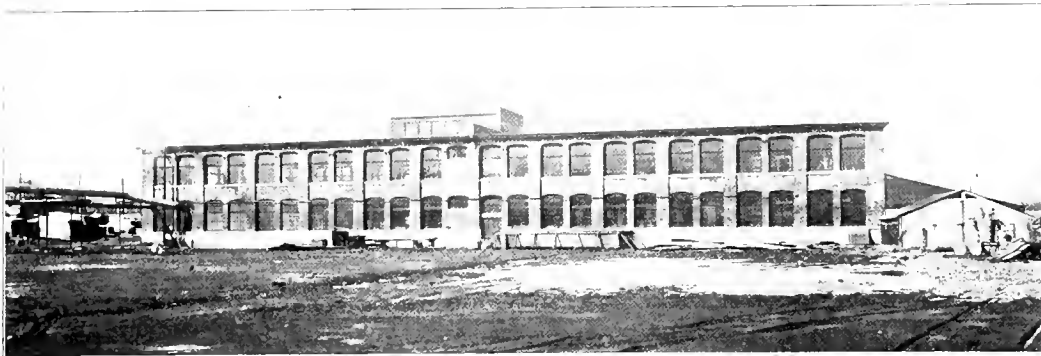
It was a decided relief to leave all the noise and hurried activity in these buildings and come into the open again. We passed piles of pig iron and coke, on our way to the shipping platform, where an engine was pulling out two loaded cars, and others were being filled.

The Wood Milling Shop

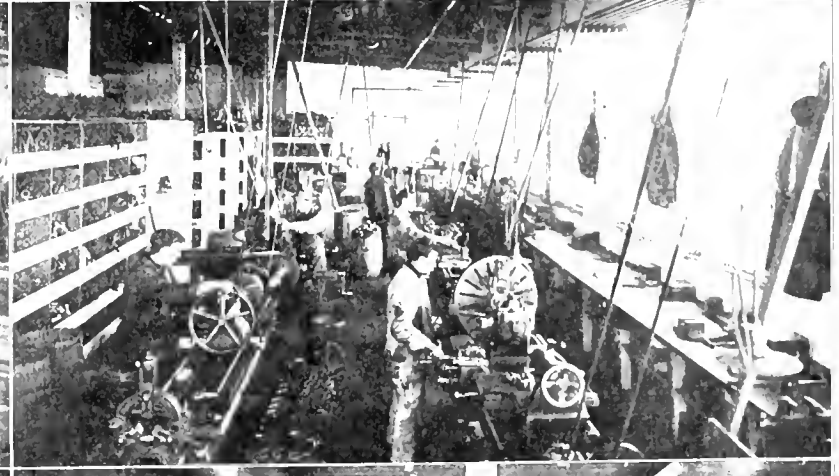
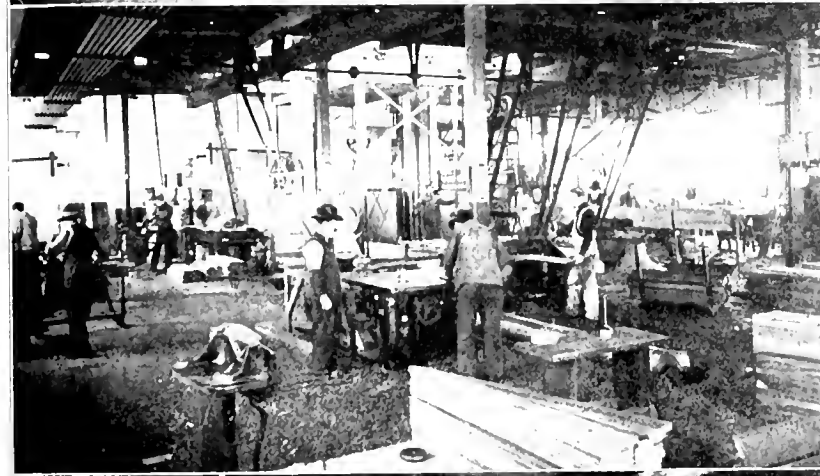
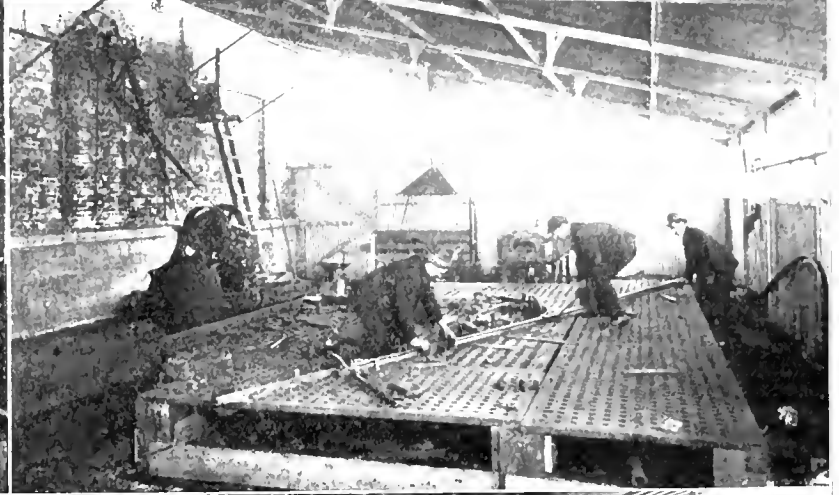
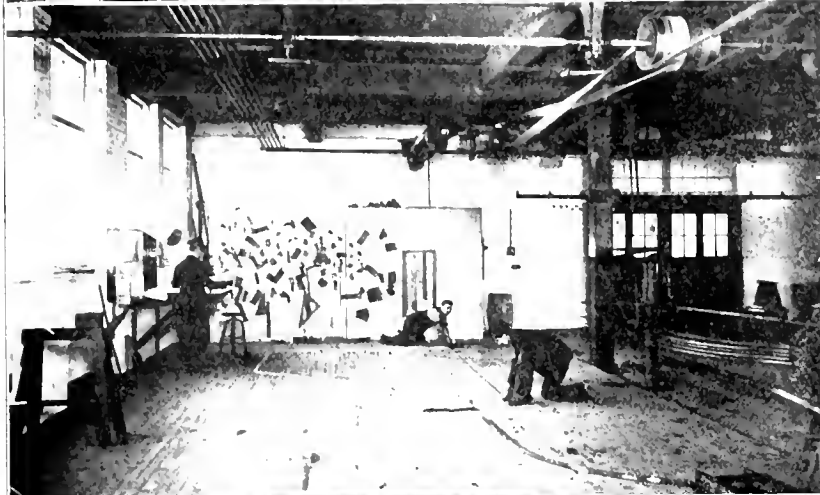
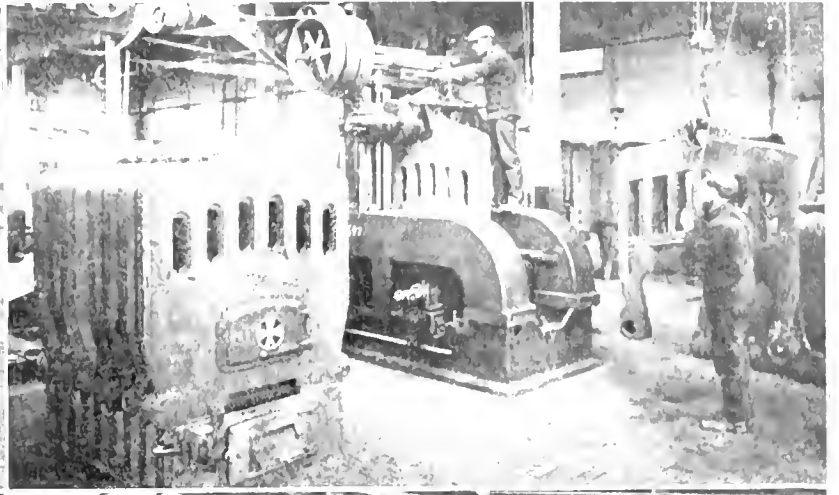
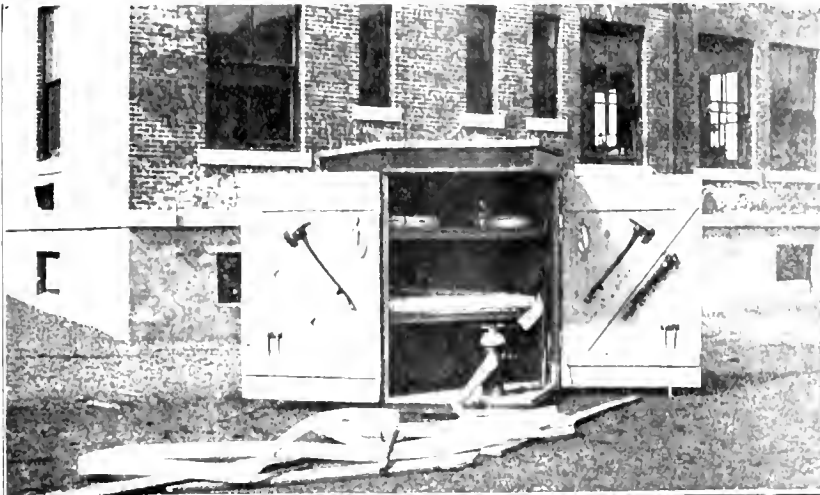
A little farther along were the piles of air-drying cypress. Then came the wood milling shop where all sappy places are sawed from the cypress and discarded. On the first floor are the large circular and band saws; heavy, four knife molding machines which manufacture glazing bars from the rough, moulding all four sides at once, as they pass through the machine. Along with these are other moulders for milling the ridges, sills, etc.

The huge elevator will carry a horse truck filled with lumber, to the second floor, where the sash and door making machines are placed.

On this floor are the mortising machines which bore and cut in one operation, the blind mortises for the ventilating and hotbed sash. Then there



Exterior view of Wood Milling Carpenter and Construction Shop.
View of Power House, with blower system apparatus for carrying shavings from carpenter shop direct into the furnaces.
Boiler Shop and Foundry, with elevated tank in the distance. This elevated tank is used exclusively for fire protection.



View of one of the hose houses, which owing to its complete equipment assists in keeping down the cost of insurance.

The Laying-Out Floor. On this floor the rafters and other parts of green-houses are laid out full size. Laying out is done from scale drawings. After carefully checking, templates are made, and the iron and wood work is gotten out to these templates.

Carpenter Shop in operation. By the aid of a large number of up-to-date machines shown in this picture, the woodwork can be turned out in the most economical and efficient manner.

Draughting Room. This room is fitted up in the latest and most improved style, affording every facility for accurate and perfect work.

Section of a boiler being bored. The boiler is bored and repaired in the shop shown in this cut. Bored the six inch diameter boiler for the engine. This is one of the great pieces of machinery in the shop. After the sections come from this machine, they are inspected and ready for use.

Blacksmith Shop, showing bending, cutting and built-up work. The machine which is used in the shop is the best of its kind.

Machine Shop where ventilating pipes are made. The bins in view show manufactured parts ready for assembly. Each part of an order these parts are taken from the assembly line and sent down to the shipping department.

Hitchings & Company's New Factory at Elizabeth, N. J.

ire numerous other machines which are so necessary for perfection in greenhouse wood working.

In the other half of this building are stored hundreds of made-up sash, and all the different stock roof bars, ridge, headers and so on, along with several thousand boxes of glass.

Then comes the ventilating division, where the gear worms are carefully cut, bearings turned and all drilling done, after which they are distributed in numbered bins, ready for immediate assembling and shipment.

The Machine Shop

From here we went down into the machine shop, where the frame work for the iron frame greenhouses is cut, punched and fitted, ready for immediate erection on the job. But before all this is done, the frame must be laid out on the "laying cut floor," and all angles, bends, bolt holes, etc., proven up. From here then go the instructions to the blacksmith shop, where with the aid of a gas furnace, bending table and bulldozer or bending machine, the heavy iron members are accurately shaped.

As we left this building, the complete iron frame of a show house for a Brooklyn florist was being given a trial set up. Hitchings & Company believe that if mistakes are made, the factory is the place to find them, and not on the job.

Right near the office building is hose house No. 3, fully equipped like the other houses, with several hundred feet of hose, etc., everything ready for instant use.

The Offices

The office, of course, is the keynote to the situation in every sense of the word. Here in a light and airy draughting room, the watch dogs of construction, under the direction of Mr. Durrie, reduce theories to facts. Every detail of every house, unless a stock pattern or repeat order, is drawn out and checked up. The tangles of heating installation are likewise unknotted by Mr. McArthur and his assistants.

Downstairs are the executive offices where Mr. Sefton, surrounded by a force of twelve, keeps his fingers on the pulse of the factory. From one side of his desk, every department and foreman can be reached with the factory telephone; on the long distance he is in daily touch with Mr. Armitage at the head of the sales office, 1170 Broadway, New York.

Here then is a plant with a capacity double their former one; an equipment to turn out work with greatest possible speed; while there is ample storage room to carry a large stock of materials constantly on hand. Delays in shipments can be greatly reduced. Customers are assured of an uniformity of product, from the purity of the putty to the endurance and practicalness of a completed house, whether it be an 11-foot propagating, or a 55 feet wide and 700 feet long iron frame structure.

As the huge department stores of our cities are but the outcome of a demand for an organization which could serve to the best advantage the public in its multiple phases and wants, so the manufacturing of greenhouses and their complete equipment is but the meeting of a similar demand among the thinking, up-to-date florists of to-day. This demand is certainly met in a most thorough way by Hitchings & Company in their new plant.

Stocks for Japanese Weeping Cherry.

One of the chief attractions of the lawn in early Spring is the Japanese weeping cherry, *Cerasus japonica rosea plena*. Grafted on tall stocks, as it should be, its branches, while vigorous, droop gracefully, and in the earliest of Spring days are clothed with a mantle of lovely flowers. These flowers are of a rosy pink in the bud, but when fully expanded change to white, looking like a mantle of snow, as some have described it.

As sometimes seen this beautiful weeper is grafted too low. The stocks should never be lower than 6 feet and 8 to 10 feet would often suit positions better, as the tree is such a strong grower.

The best stock for this cherry is the common Mazzard, one of those greatly used for stocks for fruiting cherries. If these stocks are set out and grown on for a year or two and then cut down to the ground in Spring, they push up a shoot which will make a height of 6 to 8 feet by Autumn, ready for grafting or budding the season following. When budded, care is required to regulate the growth as it is made. The bud is inserted on the side, and unless watched and the shoots pinched off or trained as they grow there will be a one-sided specimen. Better to place two buds, one on the side opposite to the other.

J. M.

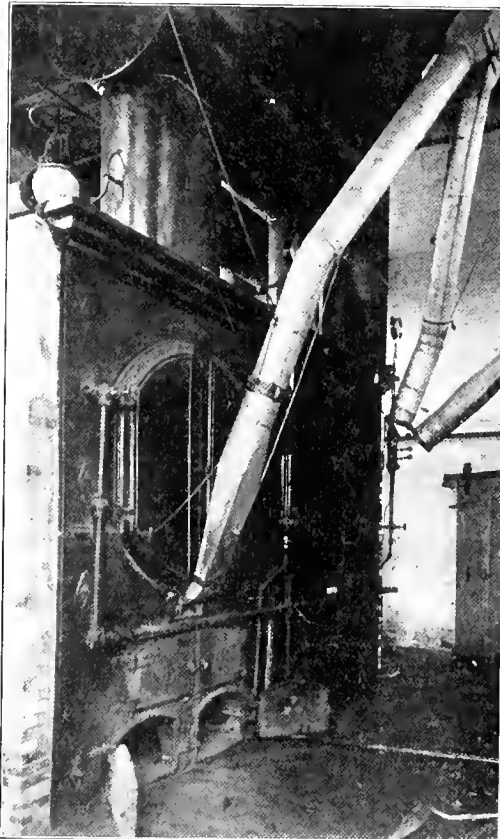
Sweet Peas.

Read by William Sim, before the Gardeners and Florists' Club, Boston, April 21, 1908.

Introduction.

The subject which has been assigned for our consideration to-night is one that would have carried more weight had some one else more fit than I been asked to read this paper. I will, however, do the best I can, and trust you will overlook anything I may say that seems to you improper, as this is the first time I have been called upon to speak before an audience. I also invite criticism, for no doubt many of you have your own ideas, and I hope you will let them be known, for only by so doing can we expect to settle some of the points that may arise.

The sweet pea, the subject upon which I am to say a few words to-night, is one of the staples in cut flowers, ranking in this respect next to the violet. I will not go into the ancient history of the sweet pea, but confine



Interior power plant with its two 150 horse-power, high pressure boilers. Shavings from the woodworking shop are blown through a large galvanized pipe to a hopper on the roof and then automatically fed into the furnace.

Hitchings & Company's New Factory at Elizabeth, N. J.

my remarks as much as possible to the Winter or early flowering section, the advent of which I think is within the memory of the youngest member here. It is only within the past ten or twelve years that the sweet pea has been placed before the people in the Winter months. By growing the old varieties under glass it was only possible to have them at the most five months of the year. With the advent of the early flowering section it was made possible to cut flowers all the year round.

The first sweet peas I grew under glass were such varieties as Blanche Ferry, Emily Henderson, Katherine Tracy, Comtesse of Radnor and Emily Eckford. These are of the late or Summer-flowering section. These varieties when sown under glass in August would not come into bloom until the end of the following April, and seed sown in January would flower as early as that sown in August. They have a season of flowering and will not blossom before that time, no matter when the seed is sown. The early flowering sweet peas are just the opposite in this respect, for in many cases they commence to flower when only a few inches above the soil, and if sown in July they will flower in August. They make a very poor growth in Summer and do not do so well as the late varieties. In the Winter months, however, they make a very strong growth, and while making this growth they flower, and I feel safe to say that the flowers produced then are far superior to those of the late-flowering varieties.

Origin.

The origin of the Winter-flowering sweet pea is something that seems to be a mystery. There are several who claim the distinction of originating this type. A. C. Zvolanek of Bound Brook, N. J., is one who claims to be the originator. He claims that he made his first experiments twenty-five years ago, but did not succeed until he made a cross with the European vetch. In January, 1892, he found some of the plants producing flowers which were small in size, and the plants only attained the height of two feet, but by crossing and re-crossing, a strain producing large flowers on long stems, and growing six feet in height, was secured. At this time Mr. Zvolanek was not in business for himself, and raised them mainly for pleasure, and gave seed to any of his friends who wanted some. While in the employment of Thomas Young, Jr., of New York, 1895-6, he had two houses of Christmas Pink. If this story is correct it shows that he must have had them about the time he states, in order to get seed enough to plant two houses in 1895. This was three years before the variety was put into commerce by Burpee.

The origin is also claimed by Mrs. Thomas Gould of Ventura, California. This is the variety sent out by Burpee as Earliest of All in 1898. If I am right, I think this strain of Mrs. Gould's was first seen in bloom among plants of Blanche Ferry. In 1898 Mr. Zvolanek started with Emil Leuly of West Hoboken, N. J., and had at that time six houses of Christmas Pink and Florence Denzer. Now there is no difference between this Florence Denzer and Mont Blanc. They are the same in every respect. Benary of Erfurt, Germany, sent out Mont Blanc I think in 1902, or four years after Mr. Zvolanek was raising it in Hoboken, N. J. No doubt if Mr. Zvolanek would again cross the old varieties with the vetch, and secure an early flowering strain, his claim would be substantiated. He has promised to do this.

Sports.

Many claim that this strain are habit sports, that they produce flowers identical to the late varieties that they sported from. I myself do not believe they do sport, for I have grown a great many both inside and outside, and have never had one sport with me. Mr. Zvolanek, who has raised practically all the Winter-flowering varieties, says he has never had one sport with him. Mr. Zvolanek raised Christmas Captain as a result of a cross between Captain of the Blues and Christmas Pink. A grower in England claims Captain of the Blues sported with him from the late to the early type, but I believe this was only a stray seed of Christmas Captain which had in some way gotten among his Captain of the Blues, for he was growing seed of Mr. Zvolanek's at the time. I think the cause is apparent. It is also possible that if he was growing the two types side by side, cross-fertilization may have taken place, and the early flowering one may have been the result. It is claimed by some that sweet peas do not mix, but the more I grow of them the more convinced I am that they do mix more or less. There is not one variety I grow but what quite frequently exposes its pollen and pistil, so in this case what is there to prevent insects or flies from carrying the pollen? Some claim these are deformed flowers and would not go to seed anyhow; but this is not the case, for if they are left on the plants they go to seed every time and produce fine seed. I am told this is far more marked on the seed farms in California than in a greenhouse. I believe the early sweet pea is the result of a cross between the old type and some other species. I do not believe the late sweet pea can sport from the late to the early flowering, and will only believe it when I have conclusive proof that this is the case. Many growers on seeing some variety they imagined they sowed without examination immediately call it a sport. They do not stop to consider that there are many ways of that seed getting there. The seedsman and seed grower cannot always prevent the seed getting mixed.

Types.

There are three types of the early sweet pea, the wavy or Spencer type, the common type with the broad straight standard, and the incurved or hooded type. As yet the Spencer type seems to me a little soft for commercial purposes, but this fault may be remedied in new varieties. The standard, which is wavy, has not the strength of the common type, and they fold together when they are bunched in such a way as to make them look small, although the flowers are larger than those of the common type. The latter, although not so large as the Spencer type, is the best for commercial purposes; their stiff straight standards do not fold together, and the flowers remain open. The incurved or hooded are the least desirable; their flowers are incurved and look small beside those of the ordinary type. They, however, have very long, wiry stems, and some of the best fancy varieties are of this type. They also are very strong growers.

Hybridization.

Most of the varieties, with the exception of the ones sent out first, are the results of crossing the early and late varieties together. This is done at the time the two types are in bloom together. Mrs. Charles H. Totty,

Mrs. Alexander Wallace, Mrs. George Lewis, Christmas Captain, W. W. Smalley and a number of others are the results of crossing the two types together. Varieties raised by crossing the early type with the same type are usually weak growers. It seems to take the blood of the late varieties to give them constitution. I noticed this the past Winter on a batch of recessed Christmas; this was the Christmas crossed on the late flowering Blanche Ferry. There was about fifty per cent. of the old type among them, but the early flowering ones were very much stronger and produced stronger flowers on longer stems than Christmas and grew three feet higher.

Strains.

There are now strains of these sweet peas in England, Germany and Algeria. I am unable to give much information about these, as I have never managed to get any of the seed. I have seen the Algerian strain growing at Mr. Zvolanek's; they were not in flower then, but the growth and habit were identical to what we have here. He later sent me some of the flowers. They were of very poor color and variety; in fact, they were certainly ten years behind what we have here now. Flowers of the English strain resembled the Algerian strain and Mr. Zvolanek says that they are the same varieties or mixture he sold five years ago to the firms who are

show what harm can be done in not knowing what you are planting. A few years ago I painted a house with Earliest of All. I bought my seed from a reputable seed house. This turned out to be the best house of peas I had ever sown. The seed was all true and to be sure of seed for the following year I bought seed again from this same firm with the assurance that it was the same as I had purchased the preceding August. My intentions were to build another greenhouse and raise two crops, one for early, the other for late cutting. The house was built and put into the best possible condition. The seed was sown in August and all came up in fine shape. They grew lovely, but somehow or other they did not look right to me. The vines were too heavy and strong. I, however, did not like to disturb them and I allowed them to grow. The other house was planted the middle of November after a crop of mid-season chrysanthemums. I procured the seed for this house from another source. The beginning of March the vines commenced to bloom and by the first of April \$2,000 worth of sweet peas had been sold from this house. The other house had not commenced to flower the beginning of April. The vines had reached the glass and were pulled down several times. It was then deemed advisable to clear out the house and consign the vines to the rubbish heap. This was done after keeping the

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Oreene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIETH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentins, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Indianapolis, Ind.

BERTERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.



Easter Display in Rooms of Fruit Auction Co., New York

elling the seed. It is very hard to hold the stock of any one variety by the raiser, because it is sent to California to be grown along for seed, and while there, the seed can be carried from one place to another.

A Warning.

To those who are contemplating growing sweet peas the one important thing is to have the right seed. You may get your house in the best possible condition, yet without the right seed failure is sure to follow. Many seedsmen are selling seed purporting to be the early varieties, which are not the early varieties. Very few seedsmen know that there is any difference between the two, and substitute with the late varieties. Not a Winter passes but some poor grower gets hit hard in this way. He sows his seeds. They start fine. They grow tall, but he gets no flowers. He is paying high for his experience. I will tell you an experience of my own to

house, which was 30x360 feet, at a temperature of 50 degrees all Winter long. I was out by this deal \$6,000; this sum being based on the product sold from a house of similar size the year before. I mention this to show the seedsmen what a great injury can be done by selling something that is not true to name, and to the grower to be doubly sure before he risks too much space in something he is in doubt about. The safest way is to procure your seed in advance and test it yourself. Sow some of it, and if the plants grow strong and stocky and bush round the base of the plant you have the wrong sort for Winter-flowering; but if the plant runs up to a single stem and does not bush you have the right kind. The early type very seldom break near the ground. The one shoot forms practically the whole plant. Some side shoots are made, but these never attain the strength of the main shoot.

(To be Continued.)

Philadelphia.

Trade News.

Edward Steel, Dittman and Vaukirk streets, Wissinoming, is having great success with sweet peas and the demand for them is greater than for anything else excepting lilies, which were his best selling stock before Easter. Mr. Steel says this year's business was greater than he expected, but not as good as at previous Easters.

Thomas A. Smith, 2312 Frankford avenue, is about to celebrate his first year in business and it has been a very successful one for him. Just at this time he has an additional stand a few squares from his store where he did a large Easter trade. Mr. Smith has been in the business associated with his parents all his life and this experience has well fitted him to become one of the leaders in his field.

Mr. Heron, 1755 Chestnut street, sold out all stock which he had put in for the Easter trade and could have sold much more had the rain held off. He says business was much better than expected and will compare very favorably with that of last year.

Robert Kift, 1725 Chestnut street, states he has no kick coming, as he had a good Easter and the business was much greater than he could handle properly. This store shows some fine white birch baskets, and Mr. Kift says he sent out a large number of these filled with the more expensive plants.

George S. Faulkner, 138 South Fifteenth street, reports that he is satisfied with this year's Easter trade and that it was better than that of previous years with him.

M. J. Callahan, 3804 Market street had a run on large plants and he traces this to the fact that he sent out some very fine announcements to all of his trade, and their neighbors, which resulted in a number of new buyers, and good prices for his stock. Mr. Callahan is a wide-awake young man and hustles after the big trade of West Philadelphia, and he seems to be getting some of the best to be had.

M. Souder, 1317 Ridge avenue, says business this Easter was much better than he had expected and nearly as much as that of last year. Prices were about the same as before. He sold almost all the stock laid in. The demand was more for hydrangeas and spiraeas than for any other plants; the cut stock also went very fast.

Wm. H. Wyatt, 236 North Thirteenth street, did a larger trade than in any year previous and at very fair prices. Mr. Wyatt has a very nice place, has been in the same store for 27 years and has held the same trade for that length of time.

Ferguson & Son, 1210 Spring Garden street, were entirely sold out of bulbous stock and nearly so in all other plants, which was more than they expected to do this season. This firm has now been in its present quarters for about eight months and is getting lots of good business.

The Philadelphia Floral Store had just one azalea left at closing time and as Mr. Dunn was debating as to whether he should take it home or not, a messenger arrived with a telegram from Bangor, Me., with an order to send one large azalea to an uptown address. This was the means of cleaning his store of Easter stock. He says business is good.

R. Stahl, Eleventh above Chestnut street, is another florist who believes in sending out an announcement to his trade just before each holiday and this has always resulted in splendid business for him. All his stock went fast and at some prices as in former years. Azaleas were the best sellers, with spiraeas a close second.

George Craig, 211 South Eleventh street, says he was satisfied with his Easter trade and the result was somewhat better than he had expected, although it did not come up to the trade of last season. His leaders were azaleas and lilies. This firm had a number of designs to make and some very fine ones were turned out during the week.

H. Bayersdorfer & Company had a very busy time last week and were called upon for an unusual number of plant baskets and colored plant mats, of which they have a splendid assortment. They also show a fine lot of immortelles in all colors and made-up wreaths of magnolia leaves.

Frank I. Polites, 1418 Chestnut street, says he is pleased with the way stock went during Easter week. The leader here was azaleas, of which he had an extra good lot.

The seed store of Johnson Company at 217 Market street has been exceedingly busy this season. They are showing a healthy lot of cold storage bulbs, and expect to close them out in short time.

The Leo Niessen Company, 1209 Arch street, is showing some fine sweet peas. They report Easter trade as much better than expected, although prices were not as good as they would have wished.

S. S. Pennock-Meehan Company kept their entire force very busy all Easter week and the results were satisfactory to them. This firm is showing some fine tulips; the coloring is rich. Outside lilac is also very good and the demand brisk. Sweet peas are among the good sellers as are their special American Beauty.

The Philadelphia Cut Flower Company, 1517 Sansom street, had a nice exhibit and reports a lot of good trade last week.

Pennock Brothers, 1514 Chestnut street, did a fine business and the results are very gratifying, as their stock all went and at good prices. Their leaders were azaleas and lilies, of which they had an unusually fine assortment.

The general opinion among the trade is that they experienced a much better business than expected, and that in the majority of cases the prices were equal to those of last year. Azaleas seemed to be the leading stock, with lilies and spiraeas coming in an equal second on the list. Lilies did not sell nearly as well as expected and seem to be the only stock of which any large quantity remains. All large plants appeared to have the preference whenever shown and they were among the first sold, especially in azaleas.

The wholesalers did not get as good prices as they would have wished and stock went rather slow until the last of the week when the people commenced to buy at the prices prevailing the first of the week. Several commission houses now have a lot of lilies and other cut stock which go very slow and cheap.

P. M. R.

Baltimore.

The Easter Business.

Easter trade was very gratifying; the potted plant business was good, but the prices obtained for cut flowers were much below the average. The great quantities of stock on hand precluded the disposition to advance prices. There was plenty for everybody at reasonable figures. Our local florists made fine showings, the store windows being arranged most artistically.

Several Baltimore florists visited Washington on Saturday, April 18, on the new electric road. They struck Washington after a heavy rain, which letting up at 4.30 p. m., brought such a rush of buyers to the stores as to make the Baltimoreans imagine they were in a department store on an exceptional bargain day.

Mr. Freeman again proved himself a royal entertainer as busy as he was. He showed the visitors his new Tungsten electric lamps which are exceptionally bright and brilliant; also a number of novelties not usually seen, such as red, white, and pink flowering dogwood plants in pots of various sizes, crab apple in different varieties in full bloom. His *Glycine magnifica* and *multijuga* were especially fine; among other novelties he had *Staphylea colchica* and *narcissus* Mrs. Langtry.

In both Washington and Baltimore the displays of lilies, azaleas, and roses, and the large specimens of lilac 5-6 feet tall and 4 feet diameter were better than have ever been seen at any previous Easter. The lilies of Gude Brothers and their rhododendrons could not be surpassed.

F. H. Kramer has received his silver medal for Queen Beatrice rose from the Maryland Horticultural Society.

C. L. S.

Pittsburg.

News Notes.

The South View Floral Company, whose greenhouses are located in Carrick, Pa., have opened an office and store-room at 1726 Carson street, South Side, and are doing a general florist business, wholesale and retail.

E. C. Ludwig, the North Side market florist, has rented another building close to his store-room for workshop and storage purposes.

E. C. R.

Los Angeles, Cal.

The spirit of plant and flower shows is in the air in this part of the State. The Woman's Club of Hollywood, Mrs. Dr. Davidson, president, will hold one in Wilcox auditorium, April 30 and May 1. The catalogue of this exhibition shows that exhibitors are divided into three classes—professional, amateur, and juvenile growers of plants. It is a good idea to have the interest of boys and girls enlisted in the cultivation of plant life. Certainly in this land of perpetual Summer, without the debilitating influences of a tropical climate, the individual who would have a fine place must have, whether inherent or acquired, a great deal of tenacity of purpose, since gardening work may be successfully carried on every day of the year. To care for a garden through a rainless Summer and, as is the case this season, but two months of rain during the wet season, with a rainfall of less than eleven inches, patience and persistence are necessary to success, and it is well to cultivate these virtues in the children.

Hollywood is a beautiful residential town of several thousand inhabitants, located midway between Los Angeles and the sea, close up to the base of a low range of mountains, which protects it from the north winds, and gives it a climate where peas, beans, and all that class of vegetables are grown during the Winter season with which to supply our city markets.

The El Reah greenhouses are located at this place. It is on these grounds that are seen a clean, healthy coffee tree, *Coffea arabica*, and a shrub of *Nephrolepis longanum* furnished with foliage from the ground to their tops, both of which fruit freely. It would nevertheless be an error to suppose that coffee growing could be made a commercial success in Southern California because this one specimen is successfully grown in the open without protection.

A new house, 45x200 feet, is being added to the glass range already here for the growing of carnations and roses. Henry Turner, the superintendent, is a first-class rose grower, and a carnation enthusiast. He has 6,000 seedlings in several colors ready for the new house. In his opinion they are "world beaters." We shall see when put upon the market next season. He grows his carnations in 4-inch pots or flats, and benches them in June, with excellent results. To overcome the evil effects of the alkali in the water, referred to previously in these notes, he uses gypsum, and his roses show clean, healthy foliage, with flowers of fine form and good color. All his stock for the coming season is on own roots, except 600 each of Mrs. Jardine, and Rhea Reid grafted on manetti.

The increase in population and wealth, and the consequent demand for fine roses and carnations will lead growers into the construction of houses for that purpose, for it is a fact that climatic conditions are variable here as elsewhere, and good stock cannot be produced in the open at all times. There is an opportunity right here and now for some one with means and the ability to grow roses, carnations and chrysanthemums under glass, heated by steam or hot water, and that, too, at a handsome profit, because the supply is not equal to the demand.

P. D. BARNHART.

St. Louis.

News of the Week.

Harry Balsley, Detroit, spent the past week among the growers here with good results. His flower pots are well liked here.

Frank M. Ellis, formerly in the wholesale business here, now residing in Panama, was an Easter visitor to his family, who still reside here. He says he is doing well with his banana plantation.

Fred W. Pape has opened a new store at the corner of Park and Grand avenues. For a beginner in this location he did a good Easter business.

D. J. Bushnell, one of our leading seedsmen, departed the past week for Norway, Sweden and Paris for research in archaeological matters. The tour will last four months.

This week should be a good one for business, as a number of large weddings are to take place at which a great deal of first-class stock will be used.

St. PATRICK.

LEBANON, IND.—Fire in the greenhouse plant of Paul O. Tauer, on April 9, created damage to the extent of \$2,500.

Worcester, Mass.

Easter trade was well divided among the several florists, each one getting his share. Lilies were in abundance, averaging rather short in their growth, but of good quality otherwise. The churches used up a great many, and as Worcester is the City of Churches there are not many lilies in evidence this week. However, there will be more or less of them maturing later on. Other potted plants were not in such great variety as heretofore. Rambler roses were in profusion, but much of the bulbous stock had gone by.

Now that the Easter cut is out of the way room will be made for the bedding stock, which has been somewhat cramped, owing to the lateness of Easter. A recent visit among the growers revealed an immense number of bedding plants maturing for the fast approaching Spring sales. There seems to be a tendency toward specialties in the bedding line this season. At the greenhouses of C. D. Thayer geraniums are seen in countless numbers, the principle variety being S. A. Nutt and the old single General Grant. This latter variety is regaining its place in popularity in this section and is well deserving of it, with its gorgeous hue and its ability to stand the battling of wind and rain. Mr. Thayer finds the demand for these varieties greater than his houses are capable of holding and has leased the Neale greenhouses on Lincoln street for geraniums exclusively. He is also fitting up another range of unoccupied houses for miscellaneous stock, which under the management of his foreman, Wm. H. Johnson, is looking remarkably fine.

At Lange's greenhouses a note was made of the high grade geraniums of the new and choice varieties. At the Book greenhouses the specialties appeared to be hydrangeas and ferns of the Boston and Piersou type, two houses being devoted to ferns and one to hydrangeas. At W. J. Wood's greenhouses were seen a general line of bedding plants in fine condition in addition to his stock of violets of which he makes a specialty during the Winter months. At Sargent's greenhouses a specialty is made of chrysanthemums, violets and pansies, with, at this season of the year, a line of vegetable plants, which look very promising. At Snyder Brothers, along with their general line of bedding plants was seen a large batch of *Feverfew Little Gem*, which they use for cut flowers altogether.

At the greenhouses of F. B. Madous a large assortment of plants for urns, vases, window boxes, etc., were seen. Mr. Madous is noted for filling vases in a graceful and pleasing way, so that the plants look well and grow well.

At the Worcester Conservatories of which L. C. Midgley is proprietor, there is no attempt made with bedding plants, but in roses and carnations they rank in the first row. It would well repay a trip of a hundred miles to look upon the crop before they commence cutting. Mr. Midgley has produced some fine seedling carnations and is still at it to bring out something more wonderful than heretofore, although it would seem that carnations had reached the height of perfection already. Mr. Midgley has another range of houses devoted to violets.

At Littlefield's a general assortment of plants was seen; notable among them were a fine lot of fuchsias and coleus.

At F. E. Keyes' place the stock looked well. Mr. Keyes' specialties are pansies and tomato plants, and his frames are full of them.

M. A. Bartlett has just completed a house which he intends to plant with carnations the coming season. Mr. Bartlett is contemplating erecting another house for violets.

PORT HURON, MICH.—Asman, florist, at 323 Huron avenue, had an attractive Easter window display. In the front was a water scene and in the background "The Rock of Ages." The cross was fully eight feet high, and made of roses, lilies and other flowers, and a large number of smaly electric lights. A life sized figure of a woman knelt at the foot of the cross and an open Bible was noticed at the left. The store has been newly decorated with woodland, water, mountain and island scenery, and the large number of electric lights helps to make the establishment one of the most attractive in Port Huron.

New York. The Week's News.

White there has evidently been quite a number of weddings taking place this week, they do not seem to have created much of a demand for cut flowers or elaborate decorations; for aside from a little call for bouquets of lily of the valley trade has been extremely quiet among the retailers since Sunday.

Among plant novelties seen this Easter, the new single roses sent here by M. H. Walsh of Woods Hole, Mass., are deserving of mention. The colors represented in these single roses were red, dark pink and light pink. The plants were of immense size, and were certainly grand specimens of cultural skill.

We notice that a Chicago trade paper quoted American Beauty roses at 50c. each in this market on April 14. This misleading information is just about as near the truth as the statement made by the same writer some time ago, when he said that 7,000 orchids had been used at a certain wedding.

One of the more ambitious florists of Brooklyn monopolized too much of the sidewalk with his boxes and other paraphernalia on Saturday last and was called up by the authorities and instructed to be a bit more careful with the displaying of his stock.

The Fruitman's Guide of Saturday, April 18, contained a very complimentary notice of the daily auction sales of plants by the Fruit Auction Company. It is stated that on Good Friday the entire floor was given up to the display of Easter flowers, palms and potted plants, there being well over \$5,000 worth of goods on exhibition as samples and lots.

John Birnie, the well-known florist and literarian, spent Saturday night last in the wholesale district. Whether he was seeking pointers on the wholesale prices of cut flowers, getting inspiration for his literary work, or trying to find out where Job lives, we do not know, but he certainly seemed to be having a good time.

J. Foley, manager of the Lecakes cut flower establishment, felt particularly happy this Easter; his wife presented him a little girl on Good Friday morning.

George Saltford, who for many years has been located at 46 West Twenty-ninth street, has leased the store at 43 West Twenty-eighth street, now occupied by Alex. J. Gutman, and expects to move there about June 1. Mr. Saltford since beginning in the wholesale business has made a steady increase in the number of his consignors, and has for some time been seeking larger and more central quarters.

Dr. N. L. Britton, director of the New York Botanical Garden, has returned from Jamaica with 3,500 botanical specimens, including three varieties of orchids and two palms, which he believes have hitherto been unknown to botanists. A number of the rarer plants will be exhibited at the Botanical Garden in Bronx Park.

Frank Dominicus, a gardener sixty-two years of age, who disappeared from his home at Alpine on the Palisades a year ago and whose mind was a blank until he woke up in a hotel in San Francisco, was found dead in the woods near his home on Monday morning last. An inquest was held, and it was believed that Dominicus shot himself with the revolver that was found near his side.

On Thursday, April 23, there took place at the home of the bride, 400 West One Hundred and Fifty-third street, a very pretty wedding, the contracting parties being Miss Robertha Meiklejohn, sister of James Meiklejohn, manager of the florist department of the Hotel Knickerbocker, and John Forest Mc-

Cowan of this city. The decorations, consisting of palms, Easter lilies, etc., were very artistically arranged. Owing to the fact of the bride being a lineal descendant of a Scottish thane, a very appropriate bouquet design of Scotch heather and white roses was carried by her. Mr. and Mrs. McCowan sail on the Anchor Line steamer California on Saturday for a six weeks' trip abroad.

New Orleans.

The firm of M. Cook's Sons has been dissolved, R. Cook having withdrawn from same. The business will be carried on at the old stand by Henry Cook.

At the April meeting of the Horticultural Society an invitation was issued from A. Alost for the association to meet at his place on Gentilly avenue on May 3 for a dinner, which Mr. Alost tenders the society annually.

James Newsham, who is in Central America orchid collecting, has already shipped one large consignment, which reached New Orleans in first-class condition. There was to be seen at his place a bed of Lilium candidum in flower at Easter.

It seemed an unusual occurrence that there was a scarcity of lilies at Easter in a city where they were to be seen in abundance in private gardens. Very few of the florists were able to retard pot-grown lilies on account of the unusually warm Spring. The stores, one and all, put up fine window displays—large specimen bougainvilleas, hydrangeas, lilies, cattleyas (Mossiae), standard Baby Rambler roses, etc. There apparently was no lack of material for buyers to select from.

Herman Woescher of Gentilly road has been very successful with cucumbers; his houses are a credit to the grower. He also has one house of ferns that would be hard to beat.

CRESCENT CITY.

DETROIT.—Mr. Cox, successor to Leadley, is moving to Broadway and John R. street. This short, broad avenue, with the two oldest floral establishments, i. e., John Breitmeyer's Sons and B. Schroeter, and the principal wholesale house, The Michigan Cut Flower Exchange, is only one short block from the principal shopping district, and will soon be known as the center of the local flower trade.

GERANIUMS S. A. Nutt, Beate Poitevine, Alphonse Ricard, La Favorite, Francis Perkins, John Doyle, Jean Vland, Marquis de Castellane, 3 1/2 in. pots, \$5.00 per 100. HELIOTROPE, Chiffon and Queen of Violets, 3 1/2 in. pots, \$5.00 per 100. CANNAS, Chas. Henderson, Florence Vaughan, Duke and Queen Charlotte, 4 in. pots, \$5.00 per 100. PELARGONIUM Vaght, 2 1/2 in. pots, \$7.00 per 100. VINCA Variegata, 3 in. pots, \$3.00 per 100. SINGLE PETUNIAS, large flowering, 3 in. pots, \$2.50 per 100. VERBENAS, 3 in. pots, \$2.50 per 100. VINCA Variegata, 2 1/2 in. pots, \$2.00 per 100. AGERATUM, Dwarf Blue, 2 1/2 in. pots, \$2.00 per 100. GERANIUMS, S. A. Nutt, John Doyle, La Favorite, Jean Vland, Francis Perkins, 2 1/2 in. pots, \$2.00 per 100. HELIOTROPE, Chiffon and Queen of Violets, 2 1/2 in. pots, \$2.00 per 100. Cash with order.

W. J. CHINNICK, Trenton, N. J.

GERANIUMS Rooted cuttings, TREGO, CASTELLANE, VIAUD, CHARLOTTE, DOYLE, RICARD, POITEVINE, \$1.50 per 100; \$12.00 per 1000. BYCHNER, MONTMORT, PERKINS, \$1.25 per 100; \$10.00 per 1000. S. A. NUTT, \$10.00 per 1000. Cash with order. PETER BROWN, Lancaster, Pa.

GERANIUMS 2 in. S. A. Nutt, \$20.00 per 1000; \$2.25 per 100; rooted cuttings, \$12.00 per 1000; \$1.25 per 100. VARIEGATED VINCA, rooted cuttings, \$10.00 per 1000. Cash with order.

S. N. PENTECOST 1790-1810 East 101st St., CLEVELAND, O.

GERANIUMS GRANT, HETERANTHE NUTT, strong plants, 2 1/2 in., \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings of same, \$1.50 per 100; \$12.00 per 1000. HILL, POITEVINE, 2 1/2 in., \$2.75 per 100; \$24.00 per 1000. Rooted Cuttings of same, \$1.75 per 100; \$15.00 per 1000. Cash Please. JAMES AMBACHER, WEST END, N. J.

HARDY PERENNIALS

As we wish to close out the following list of Perennials, we will accept a very low offer for the entire list.

Table listing various perennials such as Iris, Veronica, Funkia, Myosotis, Sedum, Pyrethrum, Verbena, etc., with prices per 100 and per 1000.

GRAFTED ROSES \$10.00 per 100; \$100 per 1000. Brides, Bridesmaids, Richmond and Killarney.

Edward J. Taylor, Greens Farms, Conn.

GERANIUMS

S. A. Nutt, John Doyle, A. Ricard, Buchner, Castellane, Jean Vland, Beate Poitevine, 2 in. pots, \$2.00 per 100; 3 in. pots, \$3.00 per 100; 4 in. pots, \$5.00 per 100. COLEUS Golden Bedder, Crimson Verschaffeltii and 15 other varieties, R. C., 60c. per 100; \$5.00 per 1000; 2 in. pots, \$1.50 per 100. AGERATUM, Gurney \$0.50 \$1.50 SALVIA, Bonfire .75 2.00 SWEET ALYSSEUM .200 HELIOTROPES .75 2.00 \$3.00 FUCHSIAS, 10 varieties, 2.00 3.00 PANSY PLANTS, \$5.00 and \$8.00 per 1000. ERNEST HARRIS, Delanson, N. Y.

FELTHOUSE'S GERANIUMS

None better, if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$18.00 per 1000. Beate Poitevine, S. A. Nutt, La Favorite, John Doyle, Richard Brett, Ricard, Bruanti, General Grant, M. Canovas, Jean Vland, Pasteuran, Lundy and several others. FUCHSIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100. HELIOTROPE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100. COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000. AGERATUM, Stella Gurney, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100. PERIWINKLE, 2 in., \$2.00; fine 4 in., \$6.00 per 100. LOBELIA, 2 in. ALYSSEUM, Carpet of Snow and others, 2 in., \$2.00 per 100. ENGLISH IVY, R. C. strong, \$2.00 per 100. FEVERFEW, 2 in. strong, \$2.00 per 100. Cash with order. J. E. FELTHOUSE Schenectady, N. Y.

GERANIUMS

Strong, pot-grown, Nutt, Doyle, Bruanti, \$1.25 per 100. Poitevine and Ricard, \$1.40. Extra strong 2 in. \$1.80 per 100. Big-branched plants from soil cheap. Sample free. Large, strong rooted, clean, Verschaffeltii and G. Bedder, \$5.00. Fancy, very brightest, \$4.50 per 100. Gluts, most brilliant of all, \$5.00 per 100. Bushy *Bride, Red and Yellow, \$c. Fancy, 70c. Quant. \$1.00 per 100. Fine plants, Alternanthera, Red and Yellow, and Pansies, extra choice in bloom, 75c. per 100. Gladioli, blooming size \$2.50 per 1000. Cash. DANIEL K. HERR, Lancaster, Pa.

GERANIUMS

In bloom for Easter. 4 in. pots, \$1.00 per doz., \$6.00 per 100. Cash please. Henry Eichholz, Waynesboro, Pa.

THE AMERICAN CARNATION

PRICE \$3.50. Send for Sample Pages A. T. DE LA MARE PTG. & PUB. Co. Ltd., 2 to 8 Duane Street, New York

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents. Display advertisements, in these columns, 15 cents per line, count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.] Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—By a young lady in an up-to-date retail florist store. Address, O. O. care The Florists' Exchange.

SITUATION WANTED—Young man, German, wishes to learn the florist trade. Has some experience. Address, John Johnson, 505 West 48th street, New York City.

SITUATION WANTED—German gardener, single, aged 36, wants permanent position as foreman on large private estate. First-class references. Address 30 E. R., care The Florists' Exchange.

SITUATION WANTED—As foreman in any Southern State. Good, all-around grower long experience, sober, good manager, married. State particulars. Address, South, care The Florists' Exchange.

SITUATION WANTED—A German-American boy, 16 years of age, wishes to learn the florist business. New York or New Jersey preferred. Address, A. Otto, 1141 Tinton avenue, Bronx, New York City.

SITUATION WANTED—By American, 35 years of age, married, sober, reliable, competent and willing. Good designer; 18 years' experience with roses, carnations and general stock. Good references. Address, N. Y., care The Florists' Exchange.

SITUATION WANTED—By young man, Swede, four years' experience in general greenhouse work, eight months in this country. Good worker. Private or commercial place near New York preferred. Address, E. K., care The Florists' Exchange.

SITUATION WANTED—Expert greenhouse constructor wishes position; days' work or contract. Can take entire charge of iron or wood-frame construction; private or commercial. J. Golz, 525 Central avenue, Brooklyn, N. Y.

WANTED—Situation in store or retail department of a greenhouse by experienced worker in sales and making-up department. First-class references. Foreman position preferred. C. S., care R. & J. Faragher & Co., 6 and 7 South Market street, Boston.

SITUATION WANTED—By a good grower of roses, carnations, chrysanthemums and general greenhouse stock; also good maker-up and landscape artist. Will take charge. German, 29, single, wages \$15.00 weekly. Address, A. P., care The Florists' Exchange.

SITUATION WANTED—German, aged 28, wants position on private or commercial place near New York as foreman or to take charge. Thoroughly experienced in all branches, specialties, fruit, flowers and plants under glass. Address, C. Forster, 1125 Hudson street, Hoboken, N. J.

SITUATION WANTED—By young man, 24 years of age, sober and honest; has eight years' experience in commercial places. Wishes to get in a large rose and carnation business, to take charge of section, in the vicinity of New York City. Address, M. R. S., care The Florists' Exchange.

SITUATION WANTED—By young man, aged 31, 19 years' experience in florist business. Also a good mechanic, both carpenter and steam-fitter. Will explain to any correspondent my reasons for advertising. Address, A. E. A., care The Florists' Exchange.

SITUATION WANTED—Gardener, single, 32 years of age, life experience, as working foreman or first assistant. Has had charge before (three years last position). References as to ability, conduct and character. Address, G. E., care G. Petrie, Lawrence street, Flushing, L. I., N. Y.

SITUATION WANTED—By competent, all-around man as foreman of first-class place. A No. 1 grower of chrysanthemums, carnations, roses, etc. plants for high-class trade. Long experience in handling men to best advantage. Hustler, no drinker. Permanent position; state wages. Address, Rose Grower Fairfield, Conn.

SITUATION WANTED—As foreman of all-around place. Twenty years' experience with roses, carnations, chrysanthemums, pot plants, housey stock. A No. 1 at landscape work. Good worker, sober. Permanent position. Will take care or buy good place later. State wages. Address, Horticulturist, Fairfield, Conn.

HELP WANTED

WANTED—Lady florist for small store. Apply with references at 63 Orient avenue, Brooklyn, N. Y.

WANTED—Two good men for general greenhouse work. Apply at once, A. L. Miller, Jamaica avenue opposite Schenck avenue, Brooklyn, N. Y.

WANTED—A good rose grower, single man. State experience and wages expected; good reference required. W. W. Hannell, Watervliet, N. Y.

WANTED—At once, a single or married man, with experience in growing carnations. State wages in first letter, J. Chevalier, Blue Point, L. I., N. Y.

WANTED—Several energetic young men with at least a common school education, to take up work with a forestry company. Address, Box 151, White Plains, N. Y.

WANTED—At once, good, experienced man, as assistant on private place; inside and outside work. French preferred. Box 51, Hempstead, L. I., N. Y.

WANTED—Foreman, first-class grower of carnations, chrysanthemums, Easter stock and all bedding plants. Must be first-class at making up funeral work. Address, D. Y., care The Florists' Exchange.

WANTED—Manager, foreman, to take entire charge of our plant, must be strictly sober, reliable and capable of conducting a large place successfully and be indorsed by former business associates. Also, must be able to take up about \$5,000 worth of stock to have a working interest in the firm. L. F. Barnell, Treasurer, The J. M. Gasser Company, 1035 Prospect avenue, Cleveland, O.

MISCELLANEOUS WANTS

WANTED—About 5000 Imperial Violet cuttings, sand-rooted. Send sample and price. Address, P. O. Box 194, West Hartford, Conn.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Disassembled and removed at once. Terms cash. Address, F. A., care The Florists' Exchange.

WANTED

To purchase a greenhouse plant, from five to ten thousand feet of glass, in a growing village or town within fifty miles of New York or Philadelphia, where a local market can be found for stock grown. Possession wanted about June 1. Full particulars with lowest cash price. Address, D. D., care The Florists' Exchange.

FOR SALE OR RENT

FOR SALE—Florist store, good paying business, good location for landscape gardening. Inquire, Florist, 1480 Flatbush avenue, Brooklyn, N. Y.

FOR SALE OR LEASE—With privilege of purchase, four greenhouses, located near a flourishing town, 2 1/2 miles from New York, with two acres of fine land. Full stock of pot and bedding plants. Good trade in cut flowers and plants at the door. Inspection invited. Address, F. J., Box 93, Summit, N. J.

FOR SALE—Three greenhouses, heated by Hittings boilers, six-roomed house, barn and three-quarter acre of land, near the Oranges, N. J. Good opportunity for retail and landscape work. For particulars, address J. A. Manda, 191 Valley road, West Orange, N. J.

TO LEASE—For five years, five greenhouses, heated by hot water, house with seven rooms, in good condition. The place is situated in Greater New York; 15 minutes from Thirty-fourth Street Ferry. No stock to buy. Apply to Beaulieu, Agent, Woodhaven, N. Y.

FOR SALE—Chance of a lifetime. On account of my husband's death, I desire to sell the business and property which consists of eight hot-houses filled with different plants as the market here requires. Also cottage with eight rooms and barn, five acres of land in good condition, besides beds and two hot-water boilers in good condition. If interested, please address, Mrs. Hugo Book, 10 College Street, Worcester, Mass.

FOR SALE—Five greenhouses, about 20,000 feet of glass, well stocked; four acres best kind of soil, five-roomed and attic house, good well and windmill, barn, horse, wagon, tools and stock; everything goes with the plant. Good trade; can sell all the stock you can grow. Located near city of about 400,000 inhabitants; accessible to steam and electric lines. Address, Wisconsin National Loan and Building Association, 22 Mitchell Building, East Water and Michigan streets, Milwaukee, Wis.

FOR SALE OR RENT

FOR SALE NEAR PHILADELPHIA

Nursery and florist business, convenient railroad facilities, very desirable location, greenhouses 8,000 feet of glass, nine-roomed house with all modern conveniences; stable and all outbuildings new and complete. 30 acres of land, 6 planted to ornamental shrubbery, etc.; the greenhouses are stocked with roses and other stock. Price, \$12,500. A rare chance for the right party. Write for an appointment. Trifler need not apply. Address

NURSERY R F. D. No. 5, Box 64, Norristown, Pa.

STOCK FOR SALE

ASTER PLANTS, Vick's branching Hobenzollern. TOMATO, Earliana, 40c. per 100; \$3.50 per 1000, delivered. Edw. Wallis, Ateso, N. J.

ROSES, Brides and Bridesmaids, 2 1/2 in. pots, \$2.50 per 100; fine, healthy plants. Cash with order. Villa Lorraine Roseries, Madison, N. J.

SALVIA ZURICH, 2 in., \$3.00 per 100; \$25.00 per 1000; R. C., \$1.75 per 100; \$15.00 per 1000. New Road. The Kreuger Brothers Company, Toledo, O.

DAHLIA BULBS, twenty-five choice named varieties, one-third cactus, for \$1.00; twenty choice named varieties, all cactus, for \$1.00. Catalogue free. C. Peirce, Dighton, Mass.

JAPAN IRIS (Iris Kaempferi), divided roots, 2-5 shoots, mixed, \$4.00 per 100; divided roots, 2-5 shoots, white, \$5.00 per 100. Large clumps, 10c. each. Wm. F. Halsey, Southampton, N. Y.

NEW DOUBLE LOBELIA "KATHLEEN MAILLARD"—2 1/2 in. in bud, while they last, \$4.00 per 100. ENGLISH IVY, 4 in., 1 1/2 cts. each. Cash please. Chas. R. Butcher, Upper Montclair, N. J.

SEVERAL THOUSAND GERANIUMS, 2 1/2 in. pots, ready to shift, good bedding varieties, single and double, \$3.00 per 100, Lebanon Greenhouses, 620 Cumberland street, Lebanon, Pa.

CARNATIONS, field-grown, 15,000 Echantress and Winsor, ready for delivery July 1. Orders filled in strict rotation. Order now and be first. Prices on application. We guarantee satisfaction; we lead in superb field-grown stock. Wa-No-Ka Greenhouses, Barneveld, N. Y.

SEEDS—SEEDS—SEEDS

Buckbe's Famous "Full of Life" pedigreed strains of the newest and best varieties vegetable and flower seeds, etc. If you have failed to receive a copy of Spring Trade List—write for it to-day. H. W. Buckbe, Rockford, Illinois. Rockford Seed Farms—Forest City Greenhouses.

300 SPIRÆA Anthony Waterer, 18-24 in., \$10.00 per 100. 200 Spiræa Van Houttei, 3-4 ft., \$10.00 per 100. 100 Indian Currant, 3-4 ft., \$10.00 per 100; 2-3 ft., \$8.00 per 100. 200 Berberis Thunbergii, 2-2 1/2 ft., XX, \$10.00 per 100. 500 Dorothy Perkins rose, 2 years, \$10.00 per 100. 2000 California Privet, 2-3 ft., \$35.00 per 1000; 18-24 in., \$25.00 per 1000. Dighton Nursery Company, Dighton, Mass.

FOR SALE

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Barselsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Releb, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE—Five greenhouses, 20x125, heated by seventeen Hittings boilers, 4000 feet of 4-in. cast-iron pipe, 12,000 feet 10x14 double thick glass. All the material is in first-class condition. Will sell them all complete or in single lots. Material can be inspected at any time this month at Great Neck, L. I. (known as Fischer Greenhouses), or address, X. X. X., care The Florists' Exchange.

Rooted cuttings of all soft-wooded plants are in demand at this time by florists who do not propagate their own stock. Growers making a specialty of the rooted cutting business will find an advertisement placed in THE FLORISTS' EXCHANGE a very profitable investment.

FOR SALE

PIPE Good serviceable second hand with good threads and a coupling with each length, no junk—1 in. 3c.; 1 1/2 in. 4 1/2c.; 2 in. 6c.; 2 1/2 in. 6 1/2c.; 3 in. at 14c. and 4 in. at 19c. New 2 in. standard black, 10 1/2c. All kinds of fittings for 4 in. cast iron. All sizes wrought iron pipe carried in stock.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, new, round boiler, heating 900 sq. ft. of glass, \$40.00. We have other sizes and makes in stock. Write for prices.

ICE BOX 3 ft. wide, 8 ft. high and 2 ft. 6 in. deep, full glass front, white enameled, in good condition with 8 wire bottom drawers. Price, \$20.00.

WALL CASE upper part 6 ft., fancy glass doors. Lower part 3 ft., six drawers, 20 in. deep. In good condition. Price, \$6.00.

NEW THREE PLY ROOFING guaranteed water or acid. Very strong. 216 sq. ft. roll, \$2.00.

SAFE about 3 ft. all around, \$25.00.

GARDEN HOSE In lengths up to 600 ft., lengths carried in stock. 3/4 in., 3 ply, guaranteed 100 lbs. pressure. 8 1/2 c. 4 ply guaranteed 250 lbs. pressure, 12 1/2 c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 6 in. \$6c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS 8x10 single at \$1.69 per box; 10x12 and 12x12 B, double, \$2.00 per box; 12x14 to 12x20, 14x14 to 14x20, 16x16 and 16x18, B, double, at \$2.15 per box; and 16x24, 18x24 and 12x24, B, double, \$2.26 per box. Discount given in large quantities.

PECKY GYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business With Europe should send for the

"HORTICULTURAL ADVERTISER"

This is The British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

Editors of the "H. A." Chillwell Nurseries, Lowdham, Notts.

European Agents for THE AMERICAN CARNATION

Cultural Directions

Are leaflets written by practical men especially for the use of amateur customers.

If you have a counter trade, either in plants, seeds, flowers or bulbs, you should have a supply of these leaflets on hand to present to your customers when they seek cultural information about their purchases.

(The leaflets embrace over forty subjects.) We can supply them at \$2.50 per 1000, or 500 for \$1.50, and can make a reduction of those prices on large quantities.

At a small extra cost we can put your imprint on each leaflet.

Try a thousand and see what a help they are in selling goods.

A. T. DE LA MARE PTG. & PUB. CO., Ltd. P. O. Box 1697 NEW YORK

VIOLET CULTURE

Price, \$1.60 Postpaid

A. T. DeLa Mare Ptg. & Pub. Co. Ltd., New York

Chicago.

News of the Week.

It seems to be the consensus of opinion in retail circles that the volume of Easter business done was little, if any, short of the business for the same season in 1907. The great abundance of stock, obtainable at unusually low prices, enabled everyone to make a big display, and this helped materially to stimulate trade, particularly in those stores depending largely on transient trade. Plants figured rather more than heretofore in the offerings, and there were extensive collections in many of the stores. Very few reports are heard of large left-over stocks, and a clean-up appears to have been the rule rather than the exception. Made-up baskets and hampers were not given a great deal of attention, although in some of the downtown stores, some particularly fine specimens were to be noticed on Saturday. Harry Rowe had quite a number on view, some quite colossal in size. At Fleischman's, also, a good showing was made, the baskets there mostly being circular in shape with long arched handles. Small baskets did not figure to any extent, their place being filled by specimen plants and groups of bulbous stock, with crepe paper or raffia coverings enlivened with a piece of ribbon. Hart's handy handle was a popular auxiliary for these simple effects.

At Hanswirth's a number of very fine specimen plants of gardenias were shown.

Some fine plant specimens were noticed at Eaton's Flower shop, among them a prodigious hydrangea, exceptionally well flowered.

Friedman made an attractive showing of flowering plants, among which were several fine ceries in different varieties. In the store windows on Michigan avenue were two wire cages, containing live chicks and ducklings, amid a well-arranged display of flowering and foliage plants.

H. R. Hughes had a very handsome window and store display. A construction representing an old French chateau occupied the end of the store. In front was a well laid out garden with an ornamental pond, having a fountain in the center. Ducklings were to be seen swimming in the pond. Walks of convenient area ran through this garden and the Easter stock laid out in the beds was available for easy inspection by customers and was as easily replaced when sold. A rustic bridge of cork bark led from one portion of the garden, over the pond, to scenic gates overlooking a painted park scene, before which the live deer kept on the premises passed at will, adding to the general effect. At night the whole was beautifully illuminated.

Frank Oechslein had a grand collection of Easter stock at his range on West Adams street. Roses, hybrid and Rambler, were his best selling specialty. In the opinion of the visitors to his establishment Rambler roses as fine in color were never seen in Chicago before.

Ernst Wienhoefer handled two carloads of lilies during Easter week.

There were many visitors on Sunday at the immense new conservatories in Garfield Park, one section of which was completely filled with flowering plants, presenting a display rarely to be seen.

At E. H. Hunt's a good holiday business is reported. The demand for the Hart handy handles was so great that a large stock was cleaned out entirely.

It is understood that N. C. Moore & Company of Morton Grove will go heavily into the culture of plants in the near future.

The E. F. Winterson Company had in stock for the Easter trade 70,000 fronds of *Adiantum cuneatum*, A. *Croweanum* and A. *Farleyense* and an immense stock of flowering and foliage plants.

The store of W. J. Smyth, Michigan boulevard and 31st street was run into by an automobile last Thursday evening, the collision almost completely demolishing the store window.

J. A. Budlong is receiving daily shipments of single and double stocks of very fine quality.

Trailing arbutus arrived in large quantities on Tuesday and figured on the counters of several wholesalers.

J. H. PEPPER.

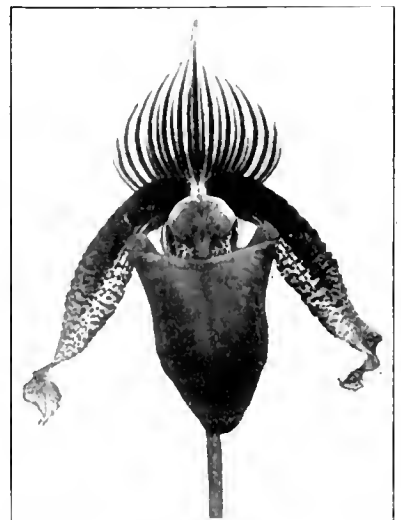
Boston.

News of the Week.

The Easter plant and general retail trade this year has on the whole been quite satisfactory and considerably more business resulted than had been expected. The volume of the business was done on Saturday, there being little rush on Friday. Lily plants sold well, and although many of the department stores charged low figures, the prevailing values were realized in the florist stores. Dorothy Perkins and Lady Gay roses in medium or small-sized plants were good sellers. Hydrangeas went well as did azaleas, which are always Easter favorites. There was no great call for spiraeas.

There was not such a variety of plants this season as has been seen in this city at other Easters, and business was perhaps not up to that of last year; but considering the prices that have been realized all through the past Winter every one seems satisfied with the amount of business done.

Frank Edgar of the W. W. Edgar Company has been on the sick list for the past few days, but we are glad to note he is again able to be about.



Cypripedium Curtisi Nobilio
Grower, Wm. Kleinheinz, Elkins Park, Pa.

M. J. Barrett of McMulkin's was in New Rochelle last week attending the funeral of his mother, who died at the ripe age of 92 years.

Welch Brothers report an excellent Easter trade. While prices were not as good, they handled more stock than ever before and could not have done the volume of business except for the ample room and facilities of their new store.

Club Meeting.

The Gardeners and Florists' Club had a good attendance at its regular meeting on Tuesday evening to hear William Sim talk on the growing of sweet peas under glass. Mr. Sim's paper was a thorough exposition of his method of growing. Quite a discussion on some of the varieties took place, after the reading of the paper, which, by the way, Mr. Sim wound up in a poetical manner, giving a new version in rhyme of the best varieties to grow.

The club continues to increase in membership, five new members having been elected at this meeting.

On the exhibition tables were many fine exhibits, chief among which was a lot of seedling lilies, crosses of *L. philippinense* and *L. longiflorum*, from R. & J. Farquhar & Company. James Farquhar in describing his crosses told that he would have a better race of lilies in the near future.

A fine plant of hybrid *calcicolaria* from George Stewart was awarded a report of superior merit; this plant is a decided improvement over the old types of shrubby *calcicolarias*. Other exhibits included a collection of sweet peas from William Sim; *Lilium candidum* and *larkspur* from W. N. Craig; mushrooms and *Gerbera Jamesoni* from Thomas Coles and roses from George Page.

After some discussion it was voted to donate \$50 to the general fund for the Chelsea fire sufferers.

It was announced that at the next meeting F. E. Palmer would read a paper, the title of which would be "A Few Thoughts on the Art of Selling."

J. W. DUNCAN.

Pennsylvania Horticultural Society.

The regular monthly meeting of the Pennsylvania Horticultural Society was held on Tuesday evening in Horticultural Hall. Henry T. Michell occupied the chair.

Professor Stewardson Brown delivered a very interesting lecture on "Weeds and their Dissemination" which was illustrated with lantern slides. Professor Brown in opening stated that weeds were generally understood to be plants out of place, but they had their uses, and they were very important adjuncts in Nature's grand plan. Weeds are sent not as a curse on the face of Nature as some people would have us believe they were, but a blessing instead. Weeds were sent so that the husbandman would hoe his crops to get rid of the weeds and in that way cultivate the earth and make it more fruitful.

Many weeds of our acquaintance were thrown on the screen, as dandelions, plantain, the Scotch and the American thistles, the white daisy; in fact, all the weeds known to us and some that were not so well known. Professor Brown stated that the recognized weeds of European origin and which had been introduced here were more noxious and troublesome than the native article.

A vote of thanks was tendered the professor for his able and interesting lecture.

There were two very fine orchids on the exhibition table that attracted a good deal of attention and favorable comment.

A *Cypripedium Curtisi nobilio* was shown by William Kleinheinz, gardener for P. A. B. Widener, Esq., Elkins Park. This differs from the original *Curtisi* in having a longer scape and the foliage, which resembles that of *C. Lawrenceanum* in being mottled, being narrower, so agreed Charles Bond, orchid expert for Mrs. J. B. Wilson, and Alphonse Pericat, who has an establishment of his own which is devoted to the growing of orchids commercially. The pouch is unusually large, but it is for the most part a beautiful port wine color. If the dorsal was as large as that of the *C. Lawrenceanum* the flower would appear to be better balanced. The markings of the dorsal sepal reminded us of those of *C. Lawrenceanum*. The petals are very gracefully disposed and the crimson coloring is suffused throughout the whole flower. The coloring, I am assured by Mr. Kleinheinz, was much brighter under the daylight than under the artificial and somewhat subdued electric light, which I can readily believe. Mr. Bond says this variety of *Curtisi* is known in some collections as *exquisitum*. Both the species, it is said, and its variety were discovered in Sumatra.

The other exhibit was from Alphonse Pericat, and it was the most "taking" to the general observer, because it was a cuttleya, *C. Schröderae*, with rose pink flowers, and very fragrant. It looked at first glance, very much like *C. Trianae*; indeed some authorities declare it is a geographical variety of that well-known species. It had three flowers on the one scape.

The committee on awards recommended a certificate of merit to each.

EDWIN LONSDALE.

Newport, R. I.

Society Meeting.

A regular business meeting of the Newport Horticultural Society was held Tuesday evening, the 14th. President John T. Allan presiding. The premium list for the Fall show was taken up and acted upon; it is quite extensive and embraces some 76 classes, the dahlia as usual being the leading flower. Among the changes in the rules was one debaring florists' assistants from taking part in competition in floral design work, the latter being considered amateurs in this class of work. Another rule makes it compulsory upon competitors to label exhibits in all classes of plants or flowers which call for a given number of distinct named varieties.

The premium list for the rose and strawberry show has been issued and may be had by addressing the secretary, Daniel J. Coughlin, Bellevue avenue, A. McL.

EASTER TRADE REPORTS

DETROIT. Another Easter here passed into history, and we are all trying to get our own equipment, which the business for the first few days was completely made up. The amount of stock of the various dealers was very good, and a much larger amount was seen than in former years. The *Hydrangea* and *Labrador* were the most popular, and the *Labrador* was especially so, after the other roses were given the black spots. Lilies in pots and out were not only in chief demand but the really enormous number on the market were sold out. The supply of plants was far below the demand. One firm having an supply of 48,000 was sold out by 4 p. m. Saturday, and the wholesale houses with 125,000 were cleaned out before that time. All potted plants were in great demand, particularly the *Baby Rambler* in bush form as well as standard. *Hydrangeas* and *azaleas* also were great favorites. *Enkays* sold well with the exception of large ones at and above \$20.

The wholesale houses cleaned up well. Lilies were sold out by Saturday noon. Azaleas followed next, and roses as a close third. Of carnations there were just enough to go round, bringing from \$2 to \$4 per 100. The call for roses of medium grade was away ahead of that of former years. *Snapdragons*, although of excellent quality, could not find many buyers.

FRANK DANZER.

LOCKPORT, N. Y. Thomas Mansfield and Charles Dole each had stores on Main street the three days before Easter; they both found lilies to be the best sellers, getting tid of every one, and even selling some that did not have an open flower. Mr. Mansfield who had a store on the street last year, says his sales were 25 per cent. less than last year's, while Mr. Dole reports trade as good as last year or better.

Fred G. Lewis found sales at least 25 per cent. less than last year's; this was partly owing to the weather. It rained from 10 a. m. Saturday until noon on Sunday and this kept a great many of the people from getting out.

Monday morning there was about four inches of snow; it did not last long for the sun came out. The way the land looks to-day it will be the first of May before we can begin to plant carnations out.

For the past two years there has been more call for *Enchantress* carnations than all the rest put together; but lately buyers are getting tired of this variety and are calling for the *Rose Pink Enchantress*.

LOCKPORT.

OTTAWA, CAN. Fairly good weather and good business have put all the florists in good humor. It looked rather disagreeable once or twice through the week; on the 16th at 7 a. m. there was 16 degrees of frost, but after the sun came out it was all right. The stock was the finest and largest we have ever had in Ottawa, in fact, the supply was so large that considerable wholesaling was done still having plenty. There was but little green material on exhibition, as there was not room for it, and it was not needed. Roses, especially *Baby Rambler* and *American Beauty*, sold quickly. Good *rhododendrons* and *lilies* at \$2 were in demand. Small *hydrangeas* at \$1 were the first to sell out; *azaleas* at \$1.50 were cleaned up. Among lilies the black-stemmed *giganteum* were the favorites; they had lots of flowers and were of medium height. This is with us decidedly the most profitable of the lilies. All small plants of lily of the valley, bulbs etc. were cleaned out. The popular prices were \$1 and \$1.50 for any kind of plant.

The demand for cut flowers was up to that of former years, sweet peas being especially called for. Roses were in fair supply, *Richmond* and *Killarney* being the favorites. Carnations, as usual filled up all the gaps. There was a very large cut of *Enchantress*, the best bringing \$1 per dozen. There was also a large cut of tulips and daffodils which sold out on Saturday night. Much to the delight of the Lord's Day Alliance, we did not have to desecrate the Sabbath by the delivery of plants and flowers, as every thing was out by 12 Sunday night.

I think all of us will say it was the best Easter we ever had in Ottawa, and we feel somewhat recompensed for the long, coal-consuming Winter.

The Ottawa Horticultural Society has started in with a record-breaking membership—\$25—the largest in Canada and every promise of having the most successful year in its history.

Continued on page 591.

PHILADELPHIA. COL. G. Fletcher has just finished spending about \$17,000 on improvements, building addition and installing modern heating and ventilating systems at his greenhouse establishment here.

NEW CRIMSON CARNATION
HARVARD

New Carnation FAUST (Brilliant Scarlet) This novelty very fine for Christmas cuttings all that can be desired. Price \$5.00 per 100, \$50.00 per 1000. Usual discount on large orders.

Mr. J. D. COCKROFT, Northport, N. Y.
NEW YORK, January 16th, 1908.

Dear Sir—We desire to congratulate you on the two varieties of Carnations, GEORGIA, and HARVARD, which you have been sending us. Georgia we consider to be the best white carnation that comes to New York, and can easily sell from 50 per cent. to 100 per cent. more than regular white. Harvard we think to be the best dark red coming here, under to sell at double the price of any other dark red. With kindest regards, we remain,
Yours truly,

TRAENDLY & SCHENCK, Wholesale Florists
Remember we Guarantee Satisfaction
Address: JAMES D. COCKROFT, Northport, L. I., N. Y.

The color is a very rich crimson. The habit is free and continuous, every shoot producing a flower. Blooms borne on long, stiff stems from 24 to 30 inches and over. Price \$12.00 per 100, \$100.00 per 1000. Usual discount on large quantities.

STANDARD VARIETIES

Strong, Healthy, Rooted Cuttings	100	1000
Winsor.....	\$5.00	\$50.00
Rose Pink	3.00	25.00
Enchantress	2.50	20.00
Lawson.....	2.50	15.00
Queen.....	2.00	12.50
Victory.....	2.50	20.00
Queen Louise	2.00	15.00
Red Sport	2.50	20.00
Pink Patten	3.00	25.00

THE WEEK'S WORK

Timme's Timely Teachings.

Pompon Chrysanthemums.

There are almost as many ways in which chrysanthemums of the small-flowered hardy kinds may be grown and to which they willingly yield, as there are varieties. This and their claim to kindly regard everywhere places them pretty well up to the front among plants of importance commercially. Except in sections far up North, they are sufficiently hardy to be sold and recommended as the most profuse of Autumn-flowering garden perennials. Florists so located as to be in doubt on this point will do well by lifting their own stock in pompon chrysanthemums in late Fall and storing it for the Winter in frames or any other cool, safe place, and advising their customers to do likewise. The clumps mind the lifting from the field no more than do cannas or campanulas. Their propagation by cuttings or division in early Spring presents no difficulty. A rather old way, but worthy of being resorted to, if very dwarf, bushy, blossom-bedecked plants in pots for the earliest Autumn sales are wanted, is the

layering of well-advanced branches all around old plants in August. But without this it is possible to stock up in excellently formed, dwarf potted plants by making a selection from varieties of compact, low growth as now offered. These may be grown in the open during the Summer, either under continuous pot culture or in the free ground, to be dug up and potted in early September. But to be really fine it is best to let them come into bloom under glass. The taller varieties, also, when planted at once in benches and grown continuously in light, well ventilated houses, produce a much finer material for cutting than under field and indoor culture combined. The cut sprays of pompon chrysanthemums—white, yellow and bronze especially—so grown, are a more desirable, faster selling article than any of the large flowering kinds grown to sprays and offered in that form.

Sweet Peas.

It is quite safe to make another, with us the last, planting of sweet peas in ground previously well put in shape for the purpose. In recent years sweet peas sown out of doors much later than the first week in May amounted to little hereabouts, unless growers were especially favored by Providence. The late started rows lacked the vigor necessary for the production of good marketable peas, became thus unable to resist the everlasting attacks of insects of various species, one in particular, evidently an aphid, but of a larger size and more robust constitution than any seen anywhere but on outdoor sweet peas, the most formidable of pests and most difficult to combat. Success with sweet peas under open air conditions depends not so much on the selection of easiest grown and best selling varieties—though this in a measure has to do with it—as on the selection of a freely exposed position of the plot set aside for this culture, on very early planting into soil as generously enriched and worked up as any intended for free land roses, and on having the hose handy and using it freely in dry weather after the vines have taken energetic hold of the stringing or netting.

Indoor Sweet Peas.

From Autumn until now—with some rich pickings still ahead—indoor grown sweet peas were among the best paying of cut flower crops. Growers are fast learning to overcome obstacles in their way to complete success with sweet peas under glass. The Winter's niggardliness in supplying daylight and sunshine is the one drawback to this as well as other cultures, which so far it has not been possible to get the better of to the full extent of its being no longer regarded a retarding factor in the growing of even the most satisfactory of Winter-flowering varieties. But the advent of these varieties is a tremendous gain, interlinking end and beginning of the once well defined sweet pea season into one continuous circuit of remunerative production. Abundant crops for early and late Spring can be figured upon with probably the greatest degree of absolute certainty. Seeds of the medium early and best standard varieties, sown into the freshened up soil of cleared chrysanthemum benches from about December until February, as advised, are never seriously influenced by lack of sunlight in starting, unless driven too hard by fire heat. The headway in growth, slow at first but always of the sturdiest, should keep pace with the gradual gain in natural warmth, until at this season the sun has finally gained on them to the extent of becoming a too ardent suitor, likely to do harm by occasional outbursts of excessive fierceness. A light, adjustable shading over sweet peas flowering now or coming into bearing, put up during the brightest hours on sunshiny days, is a means of preventing discoloration of blooms, the premature giving out or running to seeds and short-stemmed buds of the early varieties and the shortening of the period of profitable production in general. All blooms, even unsalable nobbs, must daily be picked off, and as regards watering, this may have to be attended to twice daily at times from now on, while liquid feeding at regular intervals during the week helps to lengthen the picking season markedly, guano being the best in this case, five pounds to a barrel of water the proportion and the clear liquid, after a few days of diligent stirring and final sinking of the sediment to the bottom, the only part to be used. Insects at this season should not

Rooted Carnation Cuttings

CUTTINGS are rooted in cool houses without shade. As we have close to 45,000 plants in excellent condition to select from, we can assure you good stock.

WHITE:	100	1000
WHITE PERFECTION	\$3.00	\$25.00
WHITE LAWSON	2.00	18.00
QUEEN LOUISE	2.00	18.00

PINK:	5.00	50.00
WINSOR	6.00	60.00
ARISTOCRAT	3.50	30.00
ROSE PINK ENCHANTRESS	2.50	20.00
ENCHANTRESS	2.00	18.00
LAWSON	2.00	18.00

RED:	5.00	50.00
BEACON	3.00	25.00
VICTORY	2.50	20.00

VARIEGATED:
MRS. PATTEN 2.50 20.00
Add \$1.00 per 100, \$10.00 per 1000, to above prices for 2-in. pot plants.

RECENT INTRODUCTIONS

AFTERGLOW (\$12.00 per 100
LLOYD (from 2-in. pots, \$40.00
"SPLENDOR" (Stevenson Bros.), a very promising variety, \$10.00 per 100; \$75.00 per 1000. Prompt delivery.

S. J. REUTER & SON, Inc., Westerly, R. I.

ROOTED Carnation Cuttings

WINSOR, PINK IMPERIAL	\$40.00
ENCHANTRESS	15.00
BEACON, WHITE ENCHANTRESS	50.00
VICTORY, WHITE PERFECTION	25.00

FERNS

Scottii and Whitmani, 5 in., \$2.50 per doz.; 6 in., \$4.00 per doz.; 8 in., 75c. each.
SPIREA, Pink and White, \$4.00 per doz.

LARCHMONT NURSERIES
LARCHMONT, N. Y.

AFTERGLOW

Strong Rooted Cuttings now ready
\$12.00 per 100; \$100 per 1000.

R. WITTERSTAETTER
(Originator)

Station F. - - CINCINNATI, O.

CARNATIONS ROOTED CUTTINGS

Queen	\$1.50
Harlowarden	1.50
Lady Bountiful	2.50
Enchantress	2.50
Rose Pink Enchantress	3.50
Pink Imperial	6.00

S. G. BENJAMIN, FISHKILL, N. Y.

CARNATIONS

White Enchantress, Beacon, Winsor
Now Ready. Strong rooted cuttings. \$6.00 per 100, \$50.00 per 1000

S. S. SKIDELSKY
1741 No. 18th St., PHILADELPHIA

CARNATIONS

Large stock on hand. Strictly first-class and healthy. Satisfaction guaranteed. Samples free.

Perfection, Victory	100	1000
Bountiful	\$2.75	\$25.00
W. Lawson, Enchantress	2.50	20.00
P. Lawson	2.00	18.00
Queen, Boston Market, Harlowarden	1.80	15.00
	1.50	15.00

Add 50c. per 100, to the per 100 price for April and May delivery from 2 in. pots.

A. A. GANNETT
GENEVA, N. Y.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.
White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000.
Queen, Boston Market, Pink Lawson, H. Guddard, \$1.50 per 100; \$15.00 per 1000.
Victory, \$3.00 per 100; \$25.00 per 1000.
Craig, \$2.50 per 100; \$20.00 per 1000.
Cardinal, \$2.00 per 100; \$17.50 per 1000.
Harlowarden, \$1.50 per 100; \$15.00 per 1000.
Enchantress, \$2.00 per 100; \$18.00 per 1000.
White Perfection, \$2.50 per 100; \$22.50 per 1000.
Cash with order or satisfactory references.
SMITH & GANNETT, Geneva, N. Y.

LOOK HERE

CARNATION CUTTINGS out of soil.

Lady Bountiful	100	1000
Enchantress	\$2.50	\$20.00
Queen Louise	2.50	20.00
Harlowarden	2.00	15.00
Fair Maid	2.00	15.00
Lawson	2.00	15.00

250 at 1000 rate.

POINSETTIA, stock plants for sale, all sizes.
Brides and Maids, own roots, 2 1/2 and 3 in., \$5.00 and \$6.00 per 100.
Grafted Brides, Maids, Killarney, Richmond, 2 1/2 in., \$10.00 per 100.
JAMES E. BEACH, 2019 Park Ave., Bridgeport, Conn.

CARNATIONS

From sand April 1st.

500 Queen	Net per 100	\$1.75
250 Harlowarden	1.75	
1200 Genevieve Lord	1.75	
From 2 1/2-inch pots early in April.		
1800 Genevieve Lord	2.00	
(800 ready now)		
400 Aristocrat	6.00	
3000 The Queen	2.00	
500 Harlowarden	2.00	
900 Prosperity	2.00	

THE H. WEBER & SONS CO., Oakland, Md.

CARNATIONS

3000 Victoria, out of soil	Per 100	Per 1000
2000 Enchantress, out of soil	\$8.00	\$75.00
300 Victory, out of soil	2.00	15.00
100 Robert Craig, out of soil	1.50	
150 Aristocrat, out of soil	3.00	
1000 Rose Enchantress, out of soil, from sand	2.00	15.00

QUIDNICK GREENHOUSES, Quidnick, R. I.
Anthony P. O., J. H. Cushing, Prop.

CARNATIONS

WINONA. The true pink. \$12.00 per 100; \$100.00 per 1000.

Red Chief	100	1000
Aristocrat	\$5.00	\$40.00
Winsor	6.00	50.00
Beacon	6.00	50.00
White Perfection	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Enchantress	3.00	25.00
Lady Bountiful	3.00	25.00

F. DORNER & SONS CO.
LAFAYETTE, IND.

CARNATIONS

ROOTED CUTTINGS—HEALTHY STOCK

WHITE LAWSON	100	1000
PINK LAWSON	\$3.00	\$20.00
BOSTON MARKET	2.00	18.00
QUEEN	2.00	15.00
ENCHANTRESS	3.00	20.00

500 White Lawson, 500 Boston Market, 1000 Enchantress, 1000 Pink Lawson, 1000 Queen, 2 and 2 1/2 in. pots. The lot for \$100.00.

625 fine 2 1/2 in. KAISERIN ROSES for \$18.00

J. E. SAMBROOK & CO.
Berlin, Rens. Co., N. Y.

JOHN E. HAINES
BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908:
John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000
Place orders early for December delivery.

CARNATION CUTTINGS AND PLANTS

ONLY THE BEST VARIETIES
SEND FOR OUR LIST
Chicago Carnation Co.
A. T. PYFER, Mgr. JOLIET, ILL.

Jensen & Dekema
CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO

be present on sweet peas under glass unless carried along from the days of hard firing and injudicious ventilation, proving that through some oversight or neglect the grower had been greatly remiss in letting it be so easy for the enemy to gain so firm a hold. Ventilation, often the immediate cause of greenfly appearing in the dead of Winter, is now, with the sashes opened wide all day and during the night, too, now and then, the safest of remedies for the evil, preferable to fumigation in this case.

The Geranium Disease.

The disease peculiar to geraniums has again been heard from this Spring. It comes with the beginning of warmer days, is evidently a fungoid trouble, quite formidable on some varieties and not easily held in check by any of the well-known fungicides. The first sign of its being present is often mistaken for what may happen to any geranium watered either too often or not enough at this time of year; the lower leaves wither and die off. But there is a marked difference. When neglect causes an aged geranium leaf to die off before its time it turns from green to somewhat of a bright yellow, falls off finally or is easily knocked off by the least effort. Not so if the disease is at work. The leaf does not fade into a uniformly smooth yellow surface; it starts with a shriveling at the outer rim, eats in farther, assumes a grayish dirty and later on the easily recognized brown or black hue of dry rot at its finish. And the leaves, gradually all of them more or less affected, never drop, but must be picked or cut off, though their removal does not help matters greatly, as it seemed to me, when seven years ago I tried to fight a case of the disease on my own place, which came as a surprise, indeed, where the firm belief in the absolute immunity of the zonal geranium from disease or insects so far had never been shaken. We have never been bothered with the disease since, but in answer to growers who have written me for advice, I will say that I distinctly remember that the diseased geraniums at that time, double Gen. Grant and one other light red sort, were planted in soil, too rich and containing an altogether too heavy admixture of Canada hardwood ashes from a barrel just received and bursted in unloading. The geraniums after being planted out lost all traces of the disease, and we had lost all confidence in the geraniums as the least resentful of maltreated plants. FRED. W. TIMME.

FRINGED Double Petunias

- Fine plants, in bud and bloom, 4 in., \$5.00 per 100.
SINGLE PETUNIAS, 3 in. \$3.00
VINCA variegated, R. C. \$1.00
GAZANIA Splendens, 2 in. \$2.50
ASPARAGUS, Sprenger, 3 in. very strong \$5.00
SALVIA, tall and dwarf, 2 in. \$2.00
GERANIUMS, Mme. Sallerol, 2 in. \$2.50
MOON VINE, 2 1/2 in. pots \$3.00
DRACAENA Indivisa, 4, 6 and 7 in. \$10.00, \$15.00 and 20.00
SINGLE HOLLYHOCKS, fine strain, strong \$2.00
DAHLIAS, 4 best, for cut flowers, A. D. Livoni, pluk; Arabella, light; Lyndhurst, vermilion; Queen Victoria, yellow; field clumps \$5.00

Cash with order, please
GEO. J. HUGHES, Berlin, N. J.

PANSIES

Brown's Extra Select Prize PANSIES, large, transplanted, field-grown plants, in bud, \$1.50 per 100; \$12.00 per 1000. Cash with order.

PETER BROWN, 124 Ruby Street, Lancaster, Pa.

A RECORD TO BE PROUD OF

The Florists' Hall Association has paid 1,040 losses amounting to \$102,000.00 For particulars address JOHN G. ESLER Saddle River N. J.

A FEW GOOD THINGS YOU WANT

- Cash with Order.
Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$6.00 per 100.
Asparagus Sprenger, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.
ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.
Dracaena Indivisa, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.
FERNs, Scott, 5 in., 30c. each.
GERANIUMS, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., \$1.25 per 100; Pot plants, 2 in., \$2.00; 3 in., \$4.00 per 100.
Tregu, Castellane, Vland, Jaulin, Poitevine, R. C., \$1.50 per 100; Pot plants 2 in., \$2.50; 3 in., \$5.00 per 100.
Mme. Sallerol, 2 in., \$3.00 per 100.
VINCA VAR., 2 in. \$2.00 per 100.
Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.
GLADIOLUS BULBS, mostly light colors, \$1.00 per 100.
REN BEGONIAS, 2 in., \$5.00 per 100.
COLEUS: ALTERNANTHERA, red and yellow; CIGAR PLANT; YERBENA; HELIOTROPE; SCARLET SAGE, Bonfire; 2 in. pots, \$2.00 per 100.

GEO. H. EHMANS, NEWTON, N. J.

PLANTS FOR 2cts.

- Asparagus Sprenger, 2 in., 2c. Swainsona alba, 2 in., 2c. Feverfew, Heliotrope, Cuphea, Coleus, White Ageratum, 2 in., 2c.
FEVERFEW, double white, nice young plants, 75c. per 100.
SINGLE HOLLYHOCKS, field, 2 1/2 c.
ASTERS, Lavender, 40c. per 100.
Vinca var.; Alternanthera, red and yellow; Stock Princess Alice, 2 in. 2c.
Forget-me-nots, Double Daisies, \$2.50 per 100.
Wallflowers, Digitals, Campanula, field 1c.
Rooted Cuttings below prepaid
Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 3 kinds, \$1.00; Vinca Variegata, 9c.; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Alexandra, \$1.25.
Flowering Begonias, \$1.25.
Coleus, 10 kinds, 50c.; Ageratum, Inimitable, white, 60c.; Alternanthera, 2 kinds, 50c.; Salvia, Bonfire, 90c.; Feverfew, Gem, \$1.00; Parlor Ivy, 75c.

Cash or C. O. D.
BYER BROS., CHAMBERSBURG, PA.

STOCK YOU NEED

- SALVIA, I have raised these from seed and twice transplanted them, making strong, clean, healthy stock. Bonfire, St. Louis and Splendens, 90c. per 100; \$8.00 per 1000.
PANSIES, large transplanted stock, coming in bud, of Dreer's Exhibition strain, 75c. per 100; \$6.00 per 1000.
FUCHSIAS, Little Beauty, large plants, in 2 1/2 in. pots, ready for 3 in., \$3.00 per 100.
FEVERFEW, double white, large plants, out of 2 1/2 in., \$2.00 per 100.
LOBELIAS, Crystal Palace compacta, large clumps, in 2 1/2 in. pots, \$2.00 per 100.
ALYSSUM, double alyssum, strong R. C., 60c. per 100.
PETUNIAS, Ruffled Giant (single), 2 1/2 in., large plants, \$2.00 per 100.
MME. SALLEROL, large 2 1/2 in. plants, \$2.50 per 100.
YERBENAS, large transplanted stock in separate colors, pink, blue, white, scarlet, rose and purple, 75c. per 100; \$6 per 1000.
AGERATIUMS, transplanted seedlings, large plants from soil, 75c. per 100.
S. A. PINKSTONE, 26-32 Philip St., FITZIOA, N. Y.

CYCLAMEN

Splendens Giganteum Hybrids.
Finest strain in the world, perfect flowers of Giant type in five true colors, twice transplanted from flats, \$3.00 per 100, \$25.00 per 1000; plants from 2 1/2 in. pots, \$5.00 per 100, \$45.00 per 1000.

CANNAS

Alphonse Bonvier, Florence Vaughan, Chas. Henderson, Chicago, Papa, Egan-dale, J. D. Chas, Queen Charlotte from 3 in. pots, \$4.50 per 100, \$40.00 per 1000.

GERANIUMS

S. A. Nutt, John Doyle, Castellane, Beaute Poitevine, E. G. Hill, Mme. Landrey, Mme. Jaulin, La Favorite, etc., first-class grown stock in bud and bloom, from 4 in. pots, \$6.00 per 100.

SATISFACTION GUARANTEED
PAUL MADER, East Stroudsburg, Pa.

VIOLETS

A good time to get stock for early planting Princess of Wales, the very best single violet to-day, well rooted runners and divisions \$1.00 per 100, \$8.00 per 1000; 2000 for \$15.00. If ordered by mail remit stamps for postage. P. M. DE WITT, Bridgewater, Pa.

GRAFTED ROSES

- NOVELTIES
MRS. JARDINE, RHEA REID, QUEEN BEATRICE.
The above, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.
MY MARYLAND, 50c. each, \$5.00 per doz., \$35.00 per 100.
On own roots, 2 1/2 in. pots, \$25.00 per 100, \$2.00 per 10; 3 in. pots, \$5.00 per doz.
MRS. POTTER PALMER, \$3.00 per doz., \$17.50 per 100, \$125.00 per 1000.
NEW RAMBLER "NEWPORT FAIRY." For delivery Spring, 1908. Well rooted plants in 2 1/2 inch pots \$1.00 each, \$9.00 per dozen, \$50.00 per 100.

STANDARD VARIETIES

Aurora, Betty, Bon Silone, Bride, Bridemaid, Euchariter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Manian Cochet, Marechal Niel, Mme. Abel Chateau, Mme. Hoate, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellestey, White Cochet.

GRAFTED, 2 1/2 inch pots, 20c. each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1000.

AMERICAN BEAUTY

Own root, 2 1/2 inch pots \$8.00 per 100, \$75.00 per 1000, 3 inch pots \$12.00 per 100, \$100.00 per 1000. April, May and June delivery.

OWN ROOT ROSES

From 2 1/2 inch pots, repotted from 2-inch. Kaiserin Augusta Victoria, Killarney, Brides, Bridemaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chateau, Aurora, \$1.00 per doz., \$8.00 per 100, \$50.00 per 1000. From 2 inch pots ready for shipment, \$3.50 per 100, \$30.00 per 1000.

CARNATIONS—Rooted Cuttings.

- Winsor 100 \$0.00 \$50.00
Rose Pink Eucharitress 3.50 30.00
Eucharitress 2.50 20.00
Queen Louise 2.50 20.00
From 2 1/2 inch pots add \$1.00 per 100, \$10.00 per 1000.

MISCELLANEOUS PLANTS

AGERATIUM, Stella Gurney, Princess Pauline, SALVIA Splendens, S. Bonfire, HELIOTROPE.
Rooted cuttings 75c. per 100, \$6.00 per 1000.

A. N. PIERSON, - CROMWELL, CONN.

500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant selfs and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky.

Fall transplanted plants ready to bud and bloom. Prices \$10.00 per 1000. Larger Sizes \$15.00 and \$20 per 1000.

EXPRESS ONLY I. E. COBURN, - 291 Ferry Street, - EVERETT, MASS.

CARNATIONS READY

- White Perfection May 11th Per 1000 \$20.00
Pink Imperial 30.00
Winsor 40.00
Eucharitress and J. Haines 10.00

ASPARAGUS Plumosus, ready for 3 inch now at \$30.00 per 1000
Sprenger and Smilax, ready June 1st, at 15.00

ALBERT M. HERR, = = = Lancaster, Pa.

MOON VINES

2 1-2 in. pots, \$5.00 per 100

Godfrey Aschmann

Importer, Wholesale Grower and Shipper of Pot Plants
1012 Ontario Street, Philadelphia, Pa.

ASPARAGUS Plumosus and Sprenger, strong plants, 2 in. pots, \$2.25 per 100.

STOCKS, double white, in bloom, 5 in., 20c. each.

ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100.

GERANIUMS, double scarlet and red, \$1.75 per 100.

ARAUCARIAS, 20 in., four tiers, \$1.00.

HYDRANGEA Paniculata Grandiflora, 10 in., \$3.00; 2 to 3 feet, \$6.00 per 100.

FERNs, Scott, 4 in., 10c.; 5 in., 15c.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

California Privet, 5 to 6 ft., 5c. each.

J. H. DANN & SON WESTFIELD, N. Y.

COLEUS

Verschaffelti, Golden Queen, Flra Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem, Filices of Rooted Cuttings by express, 60c. per 100, \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate. Golden Bolder, Hero, Money, Pearl of Orange, 75c. per 100, \$6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate. Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c. per 100, \$6.00 per 1000. 250 in assortment, our selection, at the 1000 rate.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS

From flats, \$10.00 per 1000.

CHRYSANTHEMUMS Ready for Shipment.

Virginia Poshmann, Angole Laurent, Golden Dome, Mlle. Jeanne Rosato, Money Maker, From 2 1/2 in. pots \$2.00 per doz., \$10.00 per 100.

Mrs. Clay Frick, Zimmers Yellow, Mary Mann, From 2 1/2 in. pots \$1.00 per doz.; \$6.00 per 100.

Rooted Cuttings, \$7.00 per 100. CHOICE POMPONS, Klondyko, Quinola, CHOICE SINGLE VARIETIES, Kitty Bournon, Mrs. Roberts, Amorita, From 2 1/2 in. pots, \$1.00 per doz.

STANDARD VARIETIES

WHITE—Early: George S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clemantine Tanager, White Show, Mrs. H. Robinson, Beatrice May, Morza, Nivens, Queen, Alice Byron, Eureka, Miss Minnie Wannmaker, Adella, Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas. PINK—Early: Glory of the Pacific, Rosefire, Mid-Season: J. K. Shaw, Adela, A. J. Balfour, William H. Duckham, Dr. Enguehard, Merton F. Plant, Late: Maud Deau, The Harriott, Mayor Weaver, Mrs. James Marshall.

YELLOW—Early: Monrovia, Mid-Season: G. Fitcher, Col. D. Appleton, Late: Major Bonaffon, Golden Wedding, H. W. Reimold, Yellow Eaton.

RED—Cullingfordi, Merstham Red, Matchless, BRONZE YELLOW—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Lala (White), Brijolas (Pink).

From 2 1/2 inch pots; 5c. each, 50c. per dozen, \$3.00 per 100, \$25.00 per 1000.

Rooted Cuttings: \$2.00 per 100, \$15.00 per 1000.

GERANIUMS READY

S. A. Nutt, Poitevine, Ricard, Viaud, Castellane and Perkins at \$10.00 per 1000.

ALTERNANTHERAS

Strong rooted cuttings, red and yellow, 50c. per 100, or \$4.00 per 1000. Brillantissima, 60c. per 100, or \$5.00 per 1000.

DAVIS BROS., Morrison, Ill.

ROOTED CUTTINGS

Prepaid per 100. Heliotrope blue; German Ivy, 75c. Alternanthera best red and yellow, also Paronychiodes Major, 5c., \$4.50 per 1000. Fuchsia, five best kinds, \$1.00, \$9.00 per 1000. Double Alyssum, 85c. Ageratum, Gireay and Pauline, Coleus, best bedders Salvia, Bonfire and Splendens, 85c. Verbena Seedlings Mammoth Mixed, 35c. per 100, \$3.00 per 1000. Cash.

Shippensburg Floral Co., Shippensburg, Pa.

PANSIES

Glant flowering, none better, \$2.50 per 1000. Daisies, Bellis, in bloom, \$1.25 per 100, \$10.00 per 1000. Plants that will bloom soon, \$2.50 per 1000.

Stocks, Verbena, Salvia, Dusty Miller, Alyssum, single and double, fine plants, out of 2 1/2 in. pots, \$2.00 per 100; \$15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

IVY English

2 to 4 ft., 1 to 3 branches, from 100c. \$10.00 to \$15.00 per 100

THOMAS STOCK, 251 Minot St., DORCHESTER, MASS.

Easter Trade in New York.

With the wind-up of Easter business which came on Sunday afternoon, when the dealers, both wholesale and retail, had a chance to look over what remained of the Easter stock, it was generally conceded that the trade, taking it in all its ramifications, had been quite satisfactory; and, considering the condition of business in general that had prevailed since the beginning of the year, many were indeed more than satisfied, for the lack of confidence that has been felt in the trade for some time was removed to quite an extent. Of course, it cannot be said that everything sold out; such a condition as that ever occurring again in New York is entirely out of the question, but we can safely say that there were more plants and flowers sold, even if prices did not average so high on a good many of them, than ever were disposed of before at any holiday. The weather Saturday evening was somewhat threatening; still it did not become so severe a rainstorm as to keep everybody indoors, and in spite of the drizzle, there was a general steady business done. As we said before, the high prices of former years were not reached; the volume of business, however, was greater for the Easter of 1908 than it has been in any previous year.

While immense preparations were made by the retailers to get up as elaborate window displays as possible, it was plainly apparent that speculation in large specimen plants was not so extensive as in previous years, though there was a wonderful showing of medium-sized stock of almost every description. A noticeable feature among the larger stores was the absence, or nearly so, of potted bulbous plants, such as hyacinths, tulips, narcissus and lily of the valley. Whether fewer of these were prepared by the growers this year, or whether an outlet for this class of plants has been found through another channel, we cannot say; but it is just possible that this stock was moved chiefly through the plant market and the auction rooms, and most of it found its way to the final customer through the efforts of the plant peddlers, who were seen and heard in all directions throughout the city on Friday and Saturday mornings.

It is always an inspiring sight to spend a few hours along Fifth Avenue a day or two before Easter, say between Fortieth street and the park. In this district will be seen the most elaborate displays of flowers and plants at Easter time to be found in any avenue or thoroughfare in the United States. The various hotels and club houses, all of which spare no expense to make their surroundings look Spring-like, together with the magnificent displays of the retail stores, make this part of the avenue a veritable garden. In front of some of the residences, for instance, were observed borders planted with hyacinths, pansies and daisies, every plant perfect, and placed so close together that the effect is at once charming and most Spring-like. The hotels and such buildings as have not spaces suitable for planting, are provided with urns and window boxes wherever such can be placed, these are filled with Spring plants in full blossom, all of which must have created a tremendous business for those florists who were fortunate enough to secure this class of work.

The retail windows were, each of them, a picture, and the absence of elaborate and expensive boxes, baskets and other accessories which hitherto seem to have been necessary at such times, was very noticeable. Ribbons, while used to some extent here and there, were not so prominent as has been the rule for some years past. Artificial sprays of flowers were also conspicuous by their absence, all of which would tend to show that the demand is more for natural stock.

Wadley & Smythe, Forty-second street and Fifth Avenue, had probably some of the largest specimen plants in the city. These consisted of some of the new Rambler roses, which had been grown as near perfection. It would seem, as it is possible to get them, Koratse and Hiawatha were among the varieties shown and created considerable favorable comment, with their beautiful clusters of single flowers. Another novelty at this store was climber plants carrying numerous blossoms, around high-handled baskets, the one trailing gracefully over the handle and showing off the blossoms to great advantage.

Thomas Young, Jr. had a beautifully arranged collection of azaleas, rhododendrons and hydrangeas.

Phoschmann seemed to go in for natural plants chiefly this year. For pot covers and a short moss was used, and there is nothing finer for this purpose. Specimen plants of bougainvillea, standard lilacs and rhododendrons were featured.

Thomas, 115 North-fifth street store, made a splendid setting for his windows by having boxes set on the walk,

directly underneath the window, filled with pink hyacinths and ivy trailing over and covering the boxes. One of the windows was filled with lilies in white splint wicker baskets, eight or ten plants to the basket, and a piece of plain white ribbon tied just below the flowers. This solid white effect was to our mind one of the prettiest seen in the city, and far more beautiful than was another window filled with lilies placed in gilt baskets. The white and gold was very effective, but the solid white arrangement was perhaps the more admired.

Alex. McConnell in the Arcade Building had, as usual, a magnificent collection of plants in all the best varieties obtainable. Mr. McConnell had placed forsythias all along the front of the Arcade Building, which, in addition to the display seen in his windows, made the Arcade Building one of the prominent features on the avenue. He also had a beautiful collection of made-up hampers and baskets, and magnificent specimens of bougainvilleas, flowering cherries and Hawthorns.

Jos. Leikens had just moved into a part of the store formerly occupied by the Hodgson Company at Fifty-sixth street in time to catch a portion of the Easter trade.

George M. Stump had as a window attraction a large egg made of half-inch wire mesh, painted white, in the inside of which could be seen live ducklings strutting about and enjoying themselves. As a window attraction this was an undoubted success, as was evidenced by the crowds, five or six deep, standing before it.

Myer, the retail florist at Madison Avenue, made heavy preparations in the way of plants for Easter, and required an additional store to take care of his surplus. Since becoming established here Myer has been eminently successful, and with a force of seventeen to help, it was all they could do to keep up with their orders.

At the Broadway store of J. H. Small & Sons a magnificent collection of flowering plants was assembled, which included specimen rhododendrons, Rambler roses, azaleas, hydrangeas, bononias and ericas in variety.

Young & Nugent, retail dealers, Twenty-eighth street, made a grand showing of plants in all available kinds, specimen-size azaleas being a feature.

In Thorley's Broadway store some very fine plants of cattleyas were a special feature.

While speaking of the retail trade we may mention that advertising is becoming more of a feature with the New York florists. Not only did some of them carry announcements in the daily papers, but the sandwich man was also brought into requisition, all of which is a good sign.

On Sunday morning numerous young men were seen about the city with trays fastened from their shoulders, on which were piled up roses, carnations and bulbous flowers, tied in bunches of two and three together, which they retailed at anywhere from 10c. to 25c. each, and seemed to be doing a thriving business. There were flowers for everybody, and anyone could be supplied, whether he wanted a 10c. bunch of roses or a bunch costing as many dollars.

The plants, as we said before, did not all sell, but, like the cut flowers, there were plenty of them, and to be had at any price. Azaleas could be purchased at from 25c. upward to \$25. There were more plants than ever before, and even if some were left over the plant trade in general was what may be called quite satisfactory.

The wholesale cut flower trade did not differ much from that of other years. There were plenty of flowers of all kinds, and dealers, mindful of the conditions of business, were not at any time too arbitrary and succeeded in obtaining quite good prices for everything sold almost. Some flowers were left over Sunday afternoon, but a great many had been sold, and actual cash returns will no doubt show an increase over those of other years.

One facetious writer in the daily press during the week preceding Easter said this was not going to be a lily Easter, and wherever he had obtained his information, or whether it was a blind prophecy, he certainly hit the nail on the head; for, after the business was all over, thousands of lilies were left in the hands of the dealers.

In the early morning market of the Cut Flower Exchange lilies sold at anywhere from 1c. to 8c. An occasional lot of 10c. was made, but that was an outside figure, and there was a great stock of lilies on hand which cleared out at the cheaper prices. Carnations were numerous, most of them bringing \$2 per 100, and they cleared out. Bulbous stock was plentiful and sold out satisfactorily, but at no advance in prices over those quoted the week before.

On the floor of the New York Cut Flower Company, stock of all kinds came in heavily, and asking prices were: For American Beauty, from 40c. down; Bride and Bridesmaid, 10c. and

12c. for specials, to 2c. for number two; carnations, from 8c. down to 2c.; lilac, 50c. to \$1 per bunch; lily of the valley, \$3 per 100, and by making some concession from these prices, a fairly good clearance was effected.

In the Twenty-eighth street district supplies of everything were heavy, with the possible exception of really first-class American Beauty. It was thought that these were not in any too heavy supply, and an effort was made to get 50c. each. This proved futile, however; 40c. was the top price except in one or two instances, when 50c. was reached. The morning supply of violets cleared out in good order at prices ranging anywhere from 35c. to 75c. per 100, according to quality. In spite of all the talk that one has heard about pickled stock, we can freely say that never before at Easter was there less of this class of stock than this year. Special Bride and Bridesmaid brought anywhere from 8c. to 12c. There are various kinds of specials, all depending on who is the grower; a few of exceptional quality brought 15c., but these were in a class by themselves. Richmond roses were in fair supply, but buyers did not seem willing to give over 15c. for the best grades, and where efforts were made to go beyond this figure to any extent, a clearance could not be effected. A limited supply of moss roses was in, for which 75c. and \$1 per bunch was asked. Daisies were far too plentiful, and could not be cleared out, although no advance in prices was attempted. Lily of the valley went off quite well, the best bringing \$3 per 100. There was quite a supply of mignonette, but buyers could not be induced to take this at any price, and it remained among the left-over goods. Narcissus in variety were not so plentiful as might have been expected; still no advance in prices was attempted and they cleared out fairly well. Cattleyas were in good demand and the supply was exhausted at fairly good figures. Among the carnations the white varieties were the worst to handle, but a satisfactory clearance was made on all kinds, prices running anywhere from \$2 to \$5 per 100 according to quality, with an occasional special lot bringing \$1 or \$2 more. Lilies were in enormous quantities; some very fine stock brought \$10 per 100, but these were an exception; good flowers at any time could be had at \$8, and thousands were sold at from \$4 to \$6 per 100. The afternoon shipments of violets were, in the main, of far better quality than was expected; a few specials brought as high as \$1, and some of the best of the fifties brought 75c. Of course, there were thousands sold at 40c. and 50c. per 100. The total supply of violets was about 700 boxes; these average about 2,500 to a box, so one can easily figure up the quantity of violets that arrived in the city Saturday. There was a fairly good supply of gardenias, and prices ranging anywhere from \$1 to \$5 per dozen were obtained. Callas were in ample supply, and brought from 8c. to 10c. each. Snapdragon was plentiful in some places, and realized from 75c. to \$1 per dozen. Sweet peas were in heavy supply, and no advance in price was attempted, stock clearing out fairly well.

In the middle of the day the cut flower district was very quiet indeed, but toward evening and up to midnight business took on a little spurt. The wholesale men kept open all night, but there was not much doing after 12 o'clock. Sunday morning the street was practically deserted as far as buyers were concerned, and there was still on hand a heavy supply of lilies, quite a few Richmond roses, and special grades of Bride, Bridesmaid and other teas, shorter grades being cleared out. Carnations were cleared out; violets had sold well, none left over; of gardenias, perhaps one or two hundred only were left; cattleyas sold out; lots of green material left, such as asparagus and adiantum. In fact, the latter two greens sold poorly all through Easter. When the stores were closed, however, it was generally conceded that the Easter business has been fairly good after all.

The early morning plant market at Canal and Washington streets was of a very drabgy nature all through Saturday morning, and prices were as a rule quite low. Pot lilies could be bought at anywhere from \$3 to \$5 per dozen plants, and roses at about the same figures. There seem to be fewer hybrid roses grown each year. Many of the purchasers at this early morning market—as many of them as could get room anyway—preceeded with their stock to Union Square and occupied the sidewalk all along the Broadway side to the cross-town side at Seventeenth street, spreading out their plants for display and making a retail market there which lasted until well into Saturday evening.

Wm. Elliott & Sons, the Fruit Auction Company, and Cleary's Horticultural Company all had sales of Easter plants at auction, and disposed of immense quantities of medium-sized stock. It goes without saying that there were

more plants used in this city than ever before, and so far as the general increase in the volume of business, both in cut flowers and plants, is concerned the results show that we are away ahead of any previous years.

NEW YORK.—Since Sunday the demand for cut flowers has been very slim, indeed. Asking prices for everything are about the same as were in force before Easter. There is not a great deal of stock coming in, fortunately; still there is much more than can be disposed of satisfactorily. A great many lilies are on the market, and new arrivals come in every day. Prices are no object with these; dealers are glad to move them at any figure. Fortunately, the weather keeps cool, and the crops of roses and carnations are curtailed to some extent. Smilax, asparagus and adiantum are meeting with very poor demand just now.

PITTSBURG.—Easter trade was rather disappointing to almost all, particularly the plantmen, who were up against it on account of the inclement weather. As it was a late Easter good weather was expected, but Saturday, the day before Easter, was about the worst day at that time in many years. It began to rain in the morning just about as trade was opening up and continued all day and evening until after 9 o'clock. The weather did not hurt the store trade and those who were under cover as much as those who had stands outside with an immense supply of plants, for it was expected that plants would sell better than cut flowers.

The supply of flowers was equal to the demand; some stock was too abundant, mainly lilies and bulbous flowers. Roses and carnations were choice, good fresh stock selling at about usual Easter prices. American Beauty roses were a little lower; good ones brought from \$7.50 per dozen up. Carnations were selling at retail at from \$1 for a dozen upward in the stores, while some of the street stands sold them as low as 35c. Violets were in fair demand, retailing at from \$1 per bunch of 50 and more, but quite a few thousands were left unsold. Lilies were too plentiful, but prices held up pretty well—about \$2.50 to \$3 per dozen retail. The stock was good, but one fault was too many flowers and buds on one stem. Bulbous stock went slowly, tulips being in best demand. Narcissus were a glut, selling at any price, with many left on dealers' hands.

In the plant trade azaleas sold better than was expected, although the supply was heavy. Genistas have apparently lost their hold, fewer of these selling each year. Hydrangeas were fine. Rambler roses went fairly well; Tausendschön was much admired, but not many were in the market. Cinerarias, primulas and geraniums made up variety and Begonia Vernon was also conspicuous. Dutch hyacinths were never before so plentiful; the North Side market was overloaded and in the evening hyacinths were sold as low as 5c. per 4-inch pot plant. Tulips and narcissus in pots and pans also suffered, particularly the latter. It was a hard blow for people who were selling plants outside, for the rain hurt almost everything that was unsold.

Orders for plant decorations in the churches were good, many flowers were used for Easter services. The store men in the city had good displays in their windows and rooms and the principal East End stores, with their large windows and conservatories attached, made magnificent showings and did a good trade. The commission houses did fairly well, as most of their stock was sold or ordered before the bad weather set in. It was also noticeable that people who in good times spent their money rather freely at Easter were not nearly as liberal in their buying and kicked somewhat at prices.

E. C. R.

Easter Announcements.

The Florists' Exchange acknowledges receipt of attractive Easter offering announcements from E. C. Ludwig, Pittsburgh, Pa.; and J. F. Sullivan, Detroit, Mich., the latter profusely and handsomely illustrated.

WHITE PLAINS, N. Y.—Among the sufferers through a fire here on Thursday, April 16, doing \$60,000 damage, was Herman Bowman, florist.

BEVERLY, N. J.—A falling electric light pole crushed into the greenhouse of John A. Cook, destroying Easter plants valued at \$300.

FRANKLIN, MASS.—The Continental Nurseries have received from Holland a large consignment of hardy rhododendrons, azaleas, roses, Japanese maples, etc.

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After Easter Weddings
Pink, White & Lavender SWEET PEAS 75c & \$1.00 per 100
VALLEY, very choice, \$1.00 per 100; \$30.00 per 1000
SPECIAL BEAUTIES
 \$4.00 per doz.; \$25.00 per 100

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 Special rates will be made to the trade who wish to supply their customers.

THE FLORISTS' EXCHANGE
 2 Duane St., New York

THE AMERICAN CARNATION
 Price, \$3.50
 A. T. DE LA MARE PTB. & PUB. CO LTD

BOSTON.—The Easter cut flower trade in this city has not been so satisfactory as was hoped for; sales of flowers did not show the activity that had generally been prevalent in former years. In plants it was different; these sold well and most of the growers were well cleaned out.

In cut flowers prices kept up pretty well during the early part of the week, but on Friday and Saturday a drop was noticed all around and many kinds of cut stock were so plentiful on Saturday as to be a regular drug. There was as much, yes, more material handled than in former years, but prices were lower. Richmond and Killarney were the best sellers among roses. There was little demand for American Beauty, though that is generally the case at Easter. Bride and Bridesmaid were both very plentiful and could hardly be moved at any price. The roses that sold at from \$3 to \$6 were most in demand, and there were exceptionally good grades at these figures. The best grades of roses with the exceptions of fancy Richmond and Killarney realized from \$10 to \$12.

Carnations did not move so well as had been hoped for; the prevailing prices were \$1, \$2 and \$3, while some of the more fancy grades brought \$4. White carnations sold poorly.

Violets went well; there was no surplus of these flowers and 75c and \$1 were easily realized for them although the season was so far gone that the quality of the flowers was not as good as might be wished for. Sweet peas, which now play a prominent part in the flower market, sold rather slowly, yet were pretty well cleaned up; they brought from 50c. to \$1. Lily of the valley moved slowly; much of it sold at \$1, while the best grades brought \$2 and \$3. Lilies sold well; they seemed to hang for a time but were fairly well cleaned out by Saturday night. They brought anywhere from \$8 to \$12, according to quality. Bulbous stock was druggish; there were large quantities of narcissi, both white and yellow, which were hard to move. Some of the more fancy narcissi and tulips sold better.

Gardenias went well at \$2 and \$3 a dozen. Orchids were in good demand, bringing \$6 per dozen. Mignonette did not sell, neither did stocks; and many of the other flowers, like Marguerites and antirrhinums, of which there are only limited quantities grown, had very little demand.

J. W. D.

SYRACUSE, N. Y.—The florists generally are satisfied with the Easter trade. It was not a record-breaking; still under all the adverse circumstances it was better than might have been expected. The weather during all the week was very unsettled, and Saturday and Easter day it rained all the time. Prices were very evenly kept down, which increased the sales greatly, still there was a lot of bulbous stock left over. Primulas, roses, lilies and azaleas sold well. There were no novelties. The decoration of the churches was more general and elaborate than in former years.

Quinlan had a very fine showing at his two stores. Burt and Morris had very attractive windows. L. E. Marquise made a fine display at his greenhouses, having a good stock of lilies, and primulas; his Marchioness carnations were very fine.

Prices for pot plants ranged from 15c. for hyacinths upward; lilies at 25c. per bloom sold well, with the supply equal to the demand. Azaleas brought from 50c. for 4-inch plants up to \$5.

In cut flowers, carnations were in great demand; in fact, they were the favorites, and sold at from 75c. to \$1.50; roses realized \$1.50 to \$4. American Beauty, \$4 to \$10 per dozen. Lily of the valley, tulips, daffodils, \$1 per dozen, violets, \$2.50 to \$3 per 100.

H. Y.

Wholesale Prices of Cut Flowers—Per 100

Boston	Buffalo	Detroit	Cincinnati	Baltimore	Milwaukee	Phil'delphia	Pittsburg	St. Louis
Apr. 19, 1908	Apr. 22, 1908	Apr. 20, 1908	Apr. 22, 1908	April 22, 1908	Apr. 20, 1908	Apr. 21, 1908	Apr. 20, 1908	Apr. 20, 1908
25.00 to 35.00	30.00 to 35.00	20.00 to 25.00	to 30.00	to 30.00	to 25.00	20.00 to 25.00	to 40.00	30.00 to 35.00
10.00 to 25.00	20.00 to 30.00	15.00 to 20.00	to 20.00	to 20.00	15.00 to 18.00	15.00 to 18.00	to 30.00	20.00 to 25.00
4.00 to 10.00	8.00 to 10.00	10.00 to 15.00	to 10.00	to 10.00	10.00 to 12.50	10.00 to 12.00	to 20.00	10.00 to 15.00
1.00 to 4.00	3.00 to 4.00	4.00 to 8.00	3.00 to 4.00	to 4.00	4.00 to 8.00	3.00 to 6.00	to 10.00	4.00 to 8.00
8.00 to 12.00	8.00 to 10.00	6.00 to 8.00	4.00 to 6.00	to 6.00	6.00 to 8.00	6.00 to 8.00	to 10.00	6.00 to 8.00
4.00 to 8.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	to 6.00	4.00 to 6.00	4.00 to 6.00	to 6.00	4.00 to 6.00
2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	to 4.00	2.00 to 4.00	2.00 to 4.00	to 4.00	2.00 to 4.00
1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	to 2.00	1.00 to 2.00	1.00 to 2.00	to 2.00	1.00 to 2.00
to 6.00	to 6.00	to 6.00	to 6.00	to 6.00	to 6.00	to 6.00	to 6.00	to 6.00
to 60.00	60.00 to 75.00	to 50.00	to 50.00	to 50.00	to 60.00	60.00 to 75.00	to 75.00	to 75.00
to 1.50	to 2.00	to 2.00	to 2.00	to 2.00	to 2.00	to 2.00	to 2.00	to 2.00
1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	to 2.00	2.00 to 2.50	1.00 to 1.50	1.50 to 2.00	to 2.00	1.50 to 2.00
1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	to 2.00	2.00 to 2.50	1.00 to 1.50	1.50 to 2.00	to 2.00	1.50 to 2.00
1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	to 2.00	2.00 to 2.50	1.00 to 1.50	1.50 to 2.00	to 2.00	1.50 to 2.00
1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	to 2.00	2.00 to 2.50	1.00 to 1.50	1.50 to 2.00	to 2.00	1.50 to 2.00
2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	to 3.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	to 3.00	2.50 to 3.00
2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	to 3.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	to 3.00	2.50 to 3.00
2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	to 3.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	to 3.00	2.50 to 3.00
2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	to 3.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	to 3.00	2.50 to 3.00
4.00 to 5.00	to 5.00	to 5.00	to 5.00	to 5.00	to 5.00	to 5.00	to 5.00	to 5.00
.75 to 1.00	.50 to 1.50	.75 to 1.50	to 1.00	to 1.00	to 1.00	to 1.00	to 1.25	to 1.00
to 50.00	50.00 to 60.00	35.00 to 50.00	to 35.00	25.00 to 35.00	20.00 to 30.00	40.00 to 50.00	to 30.00	25.00 to 35.00
to 50.00	25.00 to 50.00	30.00 to 40.00	to 35.00	25.00 to 35.00	20.00 to 30.00	40.00 to 50.00	to 30.00	25.00 to 35.00
8.00 to 10.00	8.00 to 10.00	12.50 to 15.00	to 10.00	8.00 to 10.00	to 10.00	10.00 to 12.50	to 10.00	10.00 to 12.50
to 1.00	to 2.00	to 2.00	to 2.00	to 2.00	to 2.00	to 2.00	to 2.00	to 2.00
8.00 to 12.00	8.00 to 10.00	12.50 to 15.00	to 10.00	10.00 to 12.50	8.00 to 12.50	8.00 to 10.00	to 10.00	10.00 to 12.50
to 2.00	2.00 to 4.00	2.00 to 4.00	to 2.00	to 4.00	2.00 to 4.00	2.00 to 4.00	to 2.00	2.00 to 4.00
1.00 to 4.00	2.00 to 4.00	2.00 to 4.00	to 2.00	to 4.00	2.00 to 4.00	2.00 to 4.00	to 2.00	2.00 to 4.00
to 15.00	to 15.00	to 15.00	to 10.00	10.00 to 15.00	to 15.00	20.00 to 25.00	to 12.50	to 15.00
.50 to 1.00	.60 to .75	to 1.00	to 1.00	.50 to .75	.50 to .75	1.00 to 1.50	.35 to .75	to .75
to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00

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CINCINNATI Easter Sunday and trade all over, with a decrease in business of about one-third. Lilies sold poorer than ever before as a rule, and the writer carried over many. Roses and carnations cleaned up, and bulbous stock, such as lily of the valley, tulips, narcissi, Dutch hyacinths, etc., sold out fairly well. Snapdragons, Baby primulas, forget-me-not and wallflowers sold well; prices were only fair. Saturday it rained all day steadily, and only ceased about 6:30 p. m. From that time on the florists in the flower market reaped a harvest; they had a fair business all day in spite of the rain, but the aggregate cannot possibly reach that of former years.
 Mr. Maynard and wife of Detroit were callers on the way home from Asheville. E. G. G.

ESTABLISHED 1894

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WHOLESALE GROWER of CUT FLOWERS
Roses and Carnations A Specialty

Wholesale Prices of Cut Flowers, Chicago, April 22nd, 1908
Prices quoted are by the hundred unless otherwise noted

Table with columns for ROSES (American Beauty, Golden Gate, etc.), CARNATIONS (White, Pink, Red, etc.), and other flower varieties with their respective prices per hundred.

CHICAGO.—The sanguine expectations of the largest growers and wholesalers in this market, that there would be a satisfactory Easter business in spite of the unsettled conditions prevailing in the business world, generally have been entirely fulfilled. The volume of trade was larger than was the case during Easter, 1907, orders being heavier; but this was mainly on account of the large stocks available in every line, and the low prices of the offerings. In point of value the aggregate of returns was considerably less than was the case last year. The weather was extremely favorable to heavy cutting of roses, carnations and the like, being unusually warm for a few days preceding the opening up of the trade, the thermometer on one day reaching the Summer notch of 75 degrees in the shade. This precluded any attempt on the part of the growers to hold back any of their products, and was quite disastrous to the crops of tulips intended for the Easter trade, much of which, particularly painted and potted stock, proved worthless. One drawback, but which affected only local trade, was a dark and rainy Saturday, which condition, however, was late in the afternoon removed by the clouds breaking away and a prospect of a fine Easter Sunday becoming quite glowing. A good deal of what was lost on Saturday materialized on Sunday morning, and buying was kept up until a late hour in such establishments as remained open.

It was apparent to many that the plant business was heavier than during previous years, and the offerings more extensive. Of these roses seemed to be the favorites. Hybrid and Baby Rambler roses were used very generally in all made-up pieces, baskets, hampers, and the like. Azaleas did not seem to be in such abundance as formerly, while rhododendrons and hydrangeas were much more conspicuous. Spiraeas, clematis, daisies, geranias, and primulas were in abundance, some unusually fine stock being noticed. There was no shortage of lilies, but the quality of much of the stock offered was nothing to boast of and such as brought the maximum price quoted for Easter

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ter, and prices nearer quotation marks were obtained.
One of the cut flower surprises was a liberal supply of chrysanthemums, in a dwarf yellow variety. While it was not noticed that individual customers bought many, the opportunity to have something out of the ordinary was seized by those who make a point of securing such things. Among other uncommon offerings for the time of year may be mentioned a variety of lilies, amaryllis, jasmine and a few, but very few, pink peonies. There was a little outdoor lilac here and there, but it was not up to much in quality, and did not move well. Easter passed, the market has settled to a reactionary point, and at the opening of the week the demand was quite light, particularly the local call. Prices in many lines have dropped, especially on roses, due to the full crops now in cut at most establishments. American Beauty with long stems go at anywhere from \$2 to \$3, and prices of long-stemmed stock in other varieties have lowered in proportion. On short stock values are hard to quote, being based largely on the size of the order. Carnations are plentiful, and move very slowly, particularly the white varieties, the supply of which is greatly in excess of the colored. Violets drag and appear to be about done. Sweet peas continue to hold up well, both in quality and price. Lily of the valley is in better demand, and lilies are taken pretty freely for Easter social functions. Bulbous stock is a drag, and much is going to waste. There is plenty of everything to be had, and nothing at present on the business horizon to promise higher prices on anything in the immediate future. J. H. P.

KALAMAZOO, MICH.—Although the weather during Easter week may be regarded as having been exceptionally favorable for both grower and retailer, I am afraid the volume of business will not be more than was expected. Prices were, of course, lower than usual as regards cut flowers. The sales of pot plants are said to be satisfactory. Large quantities of cut flowers of all kinds were on hand; shipping trade was lively for several days, and the shippers express satisfaction at the business done although quotations could not be called at all excessive.

Retail trade started in rather later than usual and in my trips through town I did not observe the bustle and activity that I should have liked to see during the two days previous to Easter. Altogether I do not think Easter trade will average up with last year's, although, considering the condition of business, the local trade appears to be pleased it turned out as well as it did. Van Bochove & Brother, as usual, had an extra store and kept extra delivery wagons going most of the week. Their store displays were attractive in appearance and prices reasonable. H. Fisher's window of azaleas showed up well from the street; and the cut flower display of the Central Nursery Company was of good quality and in abundant supply. Fine weather made deliveries easy and brought out the people to view and admire even if their purchases were not as large as could be wished. The bedding plant trade is next in order and is expected to maintain its average; and as the nurserymen have had very fair business so far there is no reason why bedding stocks should not hold their own. S. B.

INDIANAPOLIS.—A composite of the many reports received as to the Easter business shows that the volume was about equal to last year's. Some of the florists indicate a slight deficit, others a slight increase. More sales were made, but they were invariably smaller than anticipated; "ready money" customers were the exception as all the returns were earned with much effort.

Many reports heretofore have indicated that the holiday was too late and the weather too warm for stock to be in good condition. The result proves the reverse, as the weather was ideal and stock in the finest condition. A large portion of the shrubs, azaleas, rhododendrons and lilacs were but half in bloom. Bulbous stock, too, was in prime shape, both indoors and in the field. It is not exaggerating to state that quality and quantity considered the display has never before been excelled. The several flower stores took on a gorgeous attire of color and were filled to the doors.

Buying began later than customary, so that a great deal was available at low prices on Friday. Violets and orchids were the only flowers not equal to the requirements; the former were all gone before Sunday at \$1.50 per hundred, retail. Carnations, particularly the better grades, found a good market at \$5 to \$6 a hundred. The local supply of roses was not sufficient and much shipped stock was necessary. Richmond, Killbuck and American Beauty led in popularity. Prices for these were proportionately better, too. Automobiles for delivery were used with indifferent success by some of the retailers. I. B.

Henry M. Robinson & Co.

Wholesale Commission Florists

Hardy Cut Evergreens and Florists' Supplies



BRONZE GALAX, best quality \$8.50 case of 10,000.
GREEN GALAX, best quality \$7.50 case of 10,000.
DAGGER and **FANCY FERNS**, \$1.50 per 1,000.

Laurel Festooning, Boxwood, Sphagnum and Green Moss, Southern Wild Smilax Leucothoe Sprays, etc.



15 Province St. and 9 Chapman Place, Boston, Mass.



Special Offer

Fine selected **FERNS, Fancy or Dagger**, \$1.25 per 1000. **Good Ferns**, \$1.09 per 1000. **Bronze Galax**, 10,000 lots, \$5.00. **Green Galax**, \$1.00 per 1000; 10,000 lots, \$7.50. **Wild Smilax**, 50 lb. cases, \$6.00. **Leucothoe Sprays**, Bronze or Green, 40c. per 100. **Ground Pine**, 5c. per lb. or 5c. per yd. **Telegraph Office**, New Salem, Mass. L. D. Phone Connections.

GROWL FERN CO., MILLINGTON, MASS.



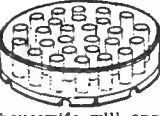
HARDY CUT FERNS

FANCY and DAGGER, Extra fine, \$1.75 per 1000. **BRONZE and GREEN GALAX**, \$1.25 per 1000, \$7.50 per 10,000. **LEUCOTHOE SPRAYS**, \$1.00 per 100; \$7.50 per 1000. **SPHAGNUM MOSS**, extra large bales, per bale, \$1.25. **BOXWOOD**, per bunch, 35c.; 50 lbs., \$7.50. **FANCY and DAGGER FERN** our 'peciality. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
WHOLESALE COMMISSION FLORISTS
38-40 Broadway, DETROIT, MICH
All Phone Connections.

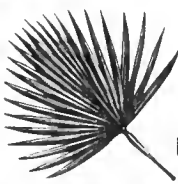
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Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and Decorative Greenery
New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

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A handy article for florists. Sells to the trade on eight. Made of glass in three sizes. The "Anglale" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

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PREPARED PALMS AND PALM LEAVES
In all varieties (Also Moss, Fibra, Needle Pines, Pine Cones, Uva Grasses, etc.)
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Florida Natural Products Co.
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BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS
E. A. BEAVEN, Evergreen, Ala.

WIRED TOOTHPICKS
10,000, \$1.75; 50,000 \$7.50
MANUFACTURED BY
W. J. COWEE, BERLIN, N. Y.
Samples free For sale by dealers

Southern Wild Smilax Now Read
Write, Wire or Telephone the Introducers
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Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Company
762 Mill St., Kendallville, Ind.
Mention the Exchange when you write.

THE BEST WAY to collect an account is to place it with the **National Florists' Board of Trade**

56 Pine St., New York
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.



ST. LOUIS.—Easter trade in St. Louis was good all along the line, but not fully up to the expectations of most of the florists. The weather was beautiful, which made delivery easy for the West Enders, who did a great plant trade and had to work all night Saturday. The floral displays at the large churches were noteworthy, especially those in the West End, where enormous numbers of plants were used, lilies predominating. The plant trade was very large, some say larger than in any previous year. In these, lilies again had the call over others; azaleas came next in favor. Spiraeas and Dutch bulbs in pots and pans also sold well; in their make-up, no new features were presented. A great many fine daisy plants were in the market. The bulk of this class of trade was done in the West End, as in the downtown district very few plants were handled on account of buyers going in heavily for cut flowers, of which grand displays were made, and by noon Sunday everything was cleaned up pretty well. Prices as a rule were not so high as in other years. Burke, Foster, Slegel, Riessen, Beneke and Young report an extra good business in cut stock, while Waldbart, Ayers, Newman, Weber, Kalish, Windt, Sanders and others did a rushing business in the plant line, also in cut flowers.

The four wholesalers each got in large shipments of first-class stock, and I should say plenty of it to fill all their orders on hand for outside and local calls. Considering the number of orders stock cleaned up well at prices not as high as last year, when Easter came a few weeks earlier. Long American Beauty, when fancy, sold well at from \$3 to \$6 per dozen; other grades at from \$2 to \$3, and shorts, 50c. to \$1 per dozen; these were in plenty. Other roses, too, were very plentiful; in fact, the market had an oversupply of these, which ran from \$5 to \$10 per 100 in price. Pink

roses were in great abundance, especially Bridesmaid and Killarney. Lilies were also in plenty, with a great many deformed buds on the stalks. A lot of extra fine carnations came in, with top price at \$5 per 100. Colored stock sold much better than white. Enchantress, Nelson Fisher and Mrs. T. W. Lawson were of fine quality.

An enormous supply of bulbous flowers came in, which varied in price a good deal. These did not clean up so well as other stock; prices were a good deal lower than in other years. The best sweet peas sold at \$1 per 100, and some went as low as 35c. Violets were the only scarcity; a few that came in sold out when good. Very little pickled stock was on this market. From the statements of the different florists, business this year gave general satisfaction.

ST. PATRICK.
CLEVELAND, O.—Trade conditions are brightening, or rather have been for some weeks, with the approach of Easter. The shortening up of the carnation crop has given the market a tendency to rise. While there has been a great sale of potted plants, yet the inclement weather Easter Saturday (it rained all day), reduced the plant sales enormously and increased those of cut flowers. Prices were good. In roses, select Richmond, Bridesmaid and Bride brought \$15 per 100; number one stock, \$12; number two, \$8. Carnations realized \$2, \$3 and \$5 per 100; Harrisi lilies \$12.50 and \$15 per 100. Lily of the valley fetched \$4 per 100; violets, \$1; tulips and daffodils, \$3 and \$4, and sweet peas, 75c. to \$1 per 100.

Violets had a phenomenal run; the Cleveland Cut Flower Company sold 50,000. The J. M. Gasser Company and the Smith & Fetters Company had very beautiful window displays. C. M. Wagner says he did a very nice Easter business in spite of the wet day. C. A. Bramley, Superior street, reports the largest Easter trade of any in his experience.

The Sheriff Street Market Company had its annual Easter display, which was more beautiful than ever before. Three prizes were awarded. Richard Gamble took first; S. N. Pentecost, second; Mrs. F. Berger, third. John Moltenkopf showed a fine lot of lilies in pots. Mrs. A. Schmlidt had a nice assortment of potted plants and reports good business. Westman & Getz report an exceptional trade. They said that baskets of flowers and plants did not sell as well as at Christmas, but their sales of potted plants, particularly the pink Rambler, Dorothy Perkins, exceeded the sale of cut flowers. Peter Nichols says his sales were in excess of those of last year. The Ohio Floral Company reports an entire clean up. R. Walters, Edwards street, says business was very gratifying.

DREER'S Florist Specialties.

	Diam.	Each.	Doz.	100.
A 11 in.	.05	7 15	55 00	
B 12 1/4 "	.75	8 25	65 00	
C 13 1/2 "	.85	9 35	75 00	
D 14 1/2 "	1.00	11 00	90 00	
E 15 1/2 "	1.25	13 75	110 00	
F 16 1/2 "	1.50	16 50	130 00	

Three largest sizes have handles
Special PAIL TUBS.
8 inches .30 3.50 28.00
11 " .30 3.50 28.00
Painted Green.
HENRY A. DREER,
714 Chestnut Street,
PHILADELPHIA, PA.

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.
EDWARD MacMULKIN,
104 ROYLSTON ST., BOSTON, MASS.

SHEEP MANURE

Pulverized. Free from all Adulteration
In Bag, \$18.00 per Ton.
ROBERT SIMPSON,
CLIFTON, N. J.

Cattle Manure In Bags

Shredded or Pulverized
Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
The Pulverized Manure Co.,
34 Union Stock Yards, Chicago

....Send for Particulars....
REGARDING

Tobakine Products

"THEY KILL BUGS"

"Flowers and Profits"

is a profitable and interesting booklet.
E. H. HUNT, General Agent
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Commercial Violet Culture

Price \$1.50
The Florists' Exchange, 2 to 8 Duane St., N. Y.

Tobacco Paper "NICO-FUME" LIQUID

is the STRONGEST, BEST PACKED, EASIEST APPLIED

24 sheets . . . \$0.75	Over 40% Nicotine
144 sheets . . . 3.50	By far the CHEAPEST.
288 sheets . . . 6.50	Just Note Prices!
1728 sheets . . . 35.10	Pint \$1.50

Furnishes the Most Nicotine for the Money!

Mfgd. by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

5 Gallon 47.25

NEWPORT, R. I.—Easter trade here, notwithstanding the cry of hard times, turned out fully up to the average. About the usual amount of decorations in the churches was done, and the sending of plants in flower to the shut-ins of the congregations, and the practice of giving small flowering plants to the members of the Sunday schools continue to grow. For the former purpose lilies and pans of bulbous stock were in demand; and for the schools geraniums, begonias and other miscellaneous stock; in fact, almost anything in flower was picked up for this purpose.

There was, as usual, a great demand for lilies; yet there were just about enough on hand to satisfy the call. Some fine plants of these were handled, also some of what we would call poor quality, only fit for use in grouping with other plants. There is not the uniformity in lilies to-day that there was a few years ago when *Harrisii* was in its heyday; now we see *L. candidum* with five-foot stems and *L. longiflorum* giganteum with stems less than thirty inches.

The Gibson Brothers report the best trade they ever had. Their lilies were just in on time, and were all sold, being a fine lot. Violets were handled by them in immense quantities. They had little of anything left over.

F. L. Ziegler, with his two stores, did a rushing trade, and sold an immense amount of stock both in plants and cut flowers. His Bellevue avenue store was an experiment and proved a great success. The formal opening took place on the 9th, and the store was visited by large numbers who were treated to bunches of flowers as souvenirs. This enterprise has been rewarded by liberal patronage.

At Oscar Schultz's everything in bloom was sold out. On Sunday he had the misfortune to lose one of his horses, valued at \$350, by lockjaw.

Henry J. Hass did about the usual amount of business; he had a little bulbous stock left over which, however, came in handy later for funeral work. A. McL.

PORTLAND, ME.—A. W. Dwyer, 663 Congress street, had as an Easter window attraction a hen with her brood of chickens, with an immense egg as a coop, backed by a fine display of seasonable plants and flowers.

Low Boilers

4 ft. high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet. **FREE HOSE TRIAL, PIPE FITTINGS, VALVES, etc.**

WM. H. KAY, CO., 244 Fulton St. N.Y.

THE JENNINGS IMPROVED IRON GUTTER

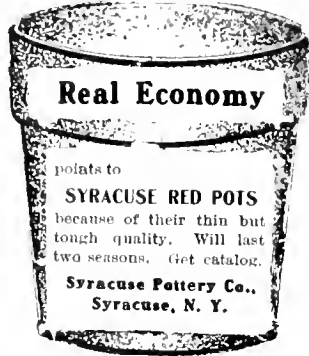
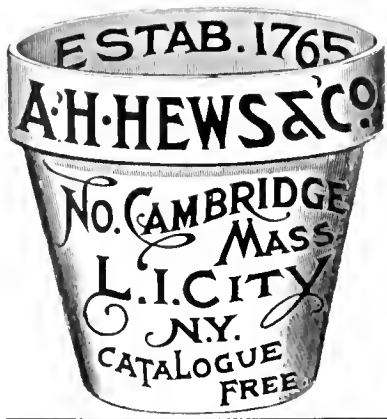
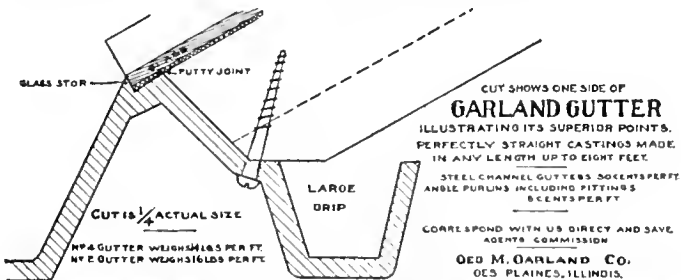
PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS. S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

LOUISIANA RED CYPRESS

is best for all kinds of Tanks, Vats, and all kinds of Greenhouse work. It excels in durability. Ask your dealer for our stock, and, if he hasn't got it, get him to write us, or write us yourself.

Louisiana Red Cypress Co. of New Orleans
Hibernia Building, NEW ORLEANS, U. S. A.



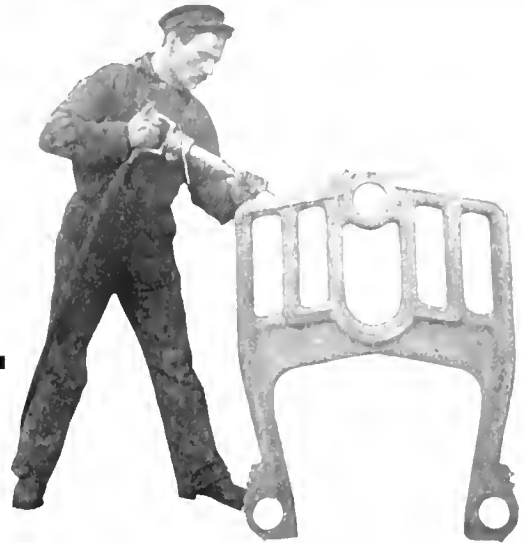
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Packed in small crates easy to handle.		Price per crate.	
1500 2 1/2 in. pots in crate, \$4.88	1200 7 in. pots in crate, \$4.20	600 8 in. pots in crate, \$3.00	HAND MADE
1500 2 1/4 " " " 5.25	600 8 " " " 3.00	48 9 in. pots in crate, \$3.60	
1000 3 " " " 5.00	48 10 " " " 4.80	24 11 " " " 3.50	
800 3 1/2 " " " 5.80	24 12 " " " 4.80	12 14 " " " 4.80	
600 4 " " " 4.50	12 16 " " " 4.50		
820 5 " " " 4.61			
144 6 " " " 3.16			

Seed pans, same price as pots. Send for price list of cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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THE PAINS WE TAKE IN MAKING THE BURNHAM

This man is smoothing off, with the pneumatic chipper, any rough places on a "Burnham" section. It is only one of the little attentions that go into the making of a Burnham. But it is the little things, after all, that count in making boilers as well as in growing flowers.

Take the question of setting up the boiler, for instance: If the castings are not accurate, and all burrs and casting ridges carefully smoothed off, then when the boiler is set up, it won't go together as accurately and perfectly as the "Burnham" vigilance man demands before he will pass the boiler for shipment, and chalk on his O. K. His O. K. means a perfect boiler for you, one perfect in every way. It is this looking after the little things that make the "Burnham" the big boiler it is—big in every way, but biggest in the coal it saves.

Hot water or steam. Burn hard or soft coal. Send for the new boiler catalog.

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Best Tool in Use for Glazing and Repairing

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JOHN A. SCOLLAY

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Hot Water Greenhouse Circulation?

Do you have trouble with your... THE HOLLY STANDARD ELECTRIC CIRCULATOR will cure it instantly, perfectly and economically. Try it and prove it. Send for catalog to THE HOLLY STEAM ENGINEERING CO., 135 E. 15th St., NEW YORK CITY



THE WHILLDIN POTTERY COMPANY THE LARGEST MANUFACTURERS OF STANDARD FLOWER POTS

PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

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GEORGE PEARCE



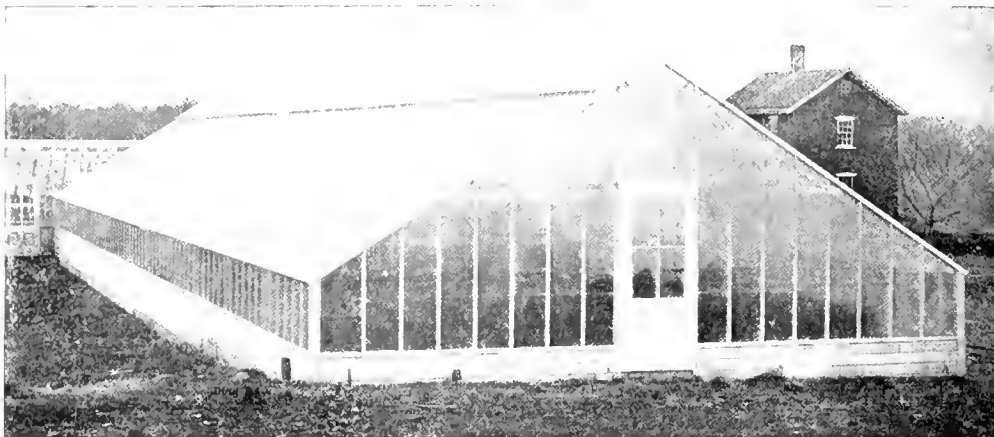
The well-known Greenhouse builder at Orange, N. J. Before giving out your contract get figures from me. I can save you money. Iron or Wood construction. Hot and Cold. Telephone 6621, Orange.



OUR HALF
IRON FRAME
GREENHOUSES

A great improvement on the all wood houses and less costly than the ALL IRON FRAME

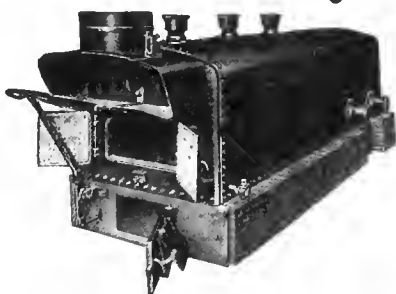
HITCHINGS & Co.
1170 Broadway, New York



THE KROESCELL BOILER

IS THE ONLY PERFECT
HOT WATER BOILER

No. 1 FOR SMALL GREENHOUSES
No. 15 FOR A RANGE OF 50,000 SQ. FT.
GLASS HEATED TO 60 AT
15 BELOW ZERO.



Prices and Catalogue on application
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THE FOLEY MFG. CO.
CHICAGO

COMPLETELY EQUIPPED WITH UP-TO-DATE MACHINERY FOR
THE MAKING OF MATERIAL FOR
**GREENHOUSE
CONSTRUCTION**

FROM A FULL SUPPLY OF THOROUGHLY SEASONED LUMBER
Send your sketches to our draughtsmen for completion and suggestion.
Permit us to figure your proposed work—large or small.
We guarantee our prices will save you money.

FOLEY VENTILATING APPARATUS IS THE BEST
IS SIMPLE IN ERECTING. IS EASIEST OF OPERATION.
IT WILL LAST A LIFETIME. ITS PRICE IS THE LOWEST.
Will ventilate any size house. Prices and circulars on application.

Our 1908 Catalogue "GREENHOUSE MATERIAL" sent postpaid on request.
THE FOLEY MFG. CO. WESTERN AVE. CHICAGO
25th & 26th Sts.

WASHINGTON, D. C.—The Easter rush is over and florists are resting from their labors. The continued cool weather was ideal for all inside stock, and quantity and quality of both cut flowers and plants were somewhat extraordinary. There was great similarity on the whole between this and other Easter seasons, with the exception that in spite of the usual rush and rapid selling there was ample stock. The chief demand was for cheap potted plants ranging from 50c. to \$1 each. All greenhouse stock seemed to change hands, while that from the outside such as spiraea, apple blossom, which is very fine this year, sold badly. Lilac, owing to cool nights, was held back and did not get into competition except in limited quantities where the plants were well protected; there is a splendid lot coming on. The demand seeming to increase each year for the cheap pot plant made retailers more cautious, and while, of course, many fine specimen plants could be seen the number was not as large as upon former similar occasions. Saturday morning opened fair and continued so until the early afternoon when high wind with rain interfered, especially with the delivery of plants, many of which were sent in wagons not well adapted to such weather conditions. It was nearly midnight when the stores closed on Saturday. Sunday the sun shone warm and bright, but by 11 a. m., a very high wind came on and the unfinished work of delivery was conducted under difficulties.

Typical March weather prevails, but thus far the prospects for a good yield of fruit seem good.

JAS. L. CAREBERY.

PROVIDENCE, R. I.—An interesting address on the subject of "Dahlias" was delivered to the members of the Rhode Island Horticultural Society April 15 by Alexander McLellan of Newport. Preceding the address, a business meeting was held, at which Marcus M. Burdick was elected to fill a vacancy on the board of trustees and Augustus R. Pierce was appointed on the audit committee. Resolutions on the death of Edward I. Nickerson were passed. It was voted that the president, E. H. Burlingame, appoint a committee to make arrangements for an outing, which will probably be held in June. The committee is composed of Messrs. Bowen, Hope and Burton.

SECOND HAND PIPE AND BOILER TUBES

From 1 in. up to 12 in., for sale at low rates.
We can supply you with any amount from 100 feet and up.
As we are large dealers in pipes, and do our own threading, we can sell same cheaper than any other dealer.
Our price card will be sent anywhere upon request, send for one.
EAGLE METAL & SUPPLY CO.,
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For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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SUMMER IN WINTER

BY USING
Standard Greenhouse Boilers
One cent gets our catalog.
GIBLIN & CO., Utica, N. Y.

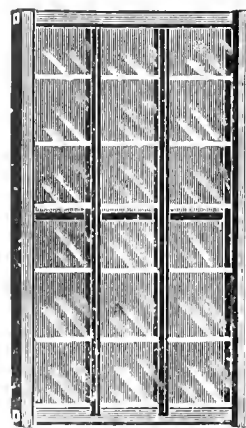
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See the Point at
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Glazing Points are the best.
No rubs or lifts. Box of 1,000 points 75 cts. postpaid.
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Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.
Write for catalogue and prices before placing your orders elsewhere.
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VIOLET CULTURE
Price, \$1 50 Postpaid
A. T. De La Mare Ptg. & Co. Ltd., New York.

GREENHOUSE GLASS AT WHOLESALE

We Manufacture
**GREENHOUSE
MATERIAL**
HOT-BED SASH
HOT-BED FRAMES
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We are Jobbers in
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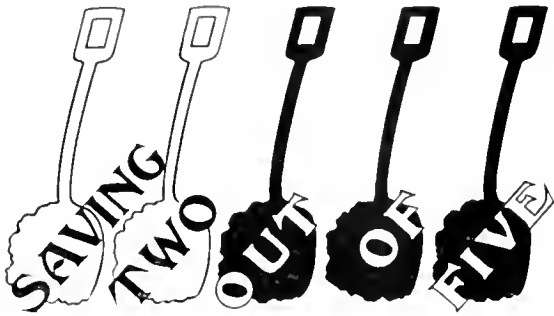
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We always carry on hand a complete stock of everything necessary for the complete erection of Horticultural Buildings.

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Greenhouse Material **Hot Bed Sash**

of Louisiana Cypress and Washington Red Cedar
Greenhouse Hardware and Patented V and U Gutters.
OUR GRADE INVARIABLY THE BEST, OUR PRICES RIGHT.
Write for Catalogue and Estimate when figuring on your new houses.
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Spencer Water-Jacketed Magazine Feed Boiler

Not only the greatest coal saver, but the least firing. Runs 24 hours in moderate weather or 12 hours in severest weather with drafts on. Burns Pea or No. 1 Buckwheat coal.

WEATHERED COMPANY, Sole Agents

Don't forget our catalogue—the houses of greatest sunlight—Iron Frame, Semi-Iron Frame or all wood, erected or materials only

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 Summer Ave. and Erie R.R. Newark, N.J.
 Write for prices
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 ALL SIZES
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Our new catalog will be sent anywhere on request. Ask for one.

JOHN G. MONINGER CO.
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115 E Blackhawk Street

Commercial Violet Culture
 PRICE, \$1.50
 The FLORISTS EXCHANGE, 2-8 Duane St. New York

WILLIAM H. LUTTON

HORTICULTURAL ARCHITECT AND BUILDER

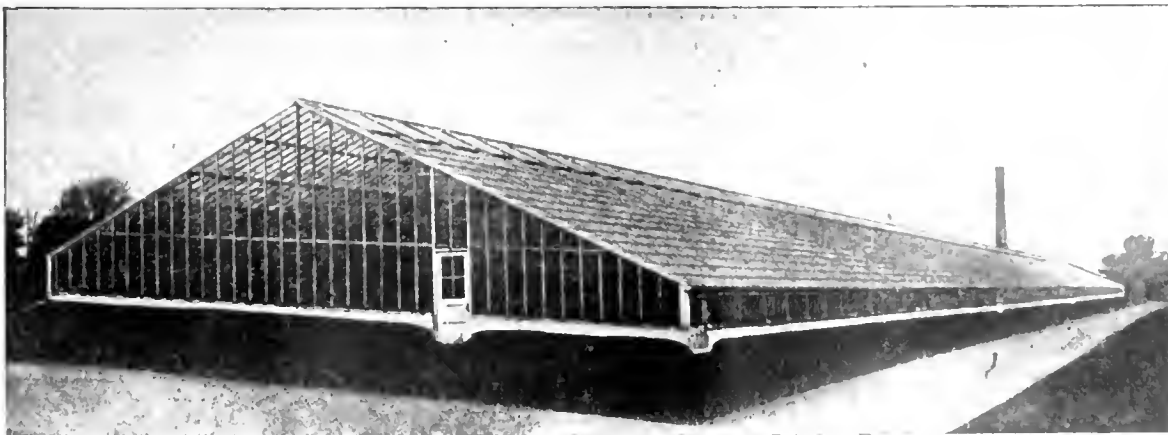
WEST SIDE AVENUE STATION (C. R. R. OF N. J.)
 JERSEY CITY, N. J.

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Carnations, strong, bushy plants kept in cold frames, Enchantress, Robert Craig, Elbon, Gov. Wolcott, Boston Market, Flora Hill. Joost. Rooted cuttings of these varieties from soil, \$2.00 per 100.

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Honeysuckle, Haloana and Red Trumpet, 4 in. pots, \$1.50 per doz.; \$10.00 per 100.

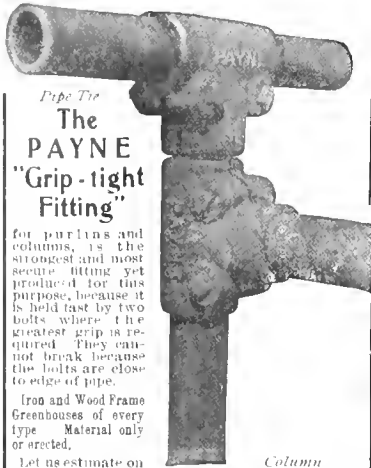
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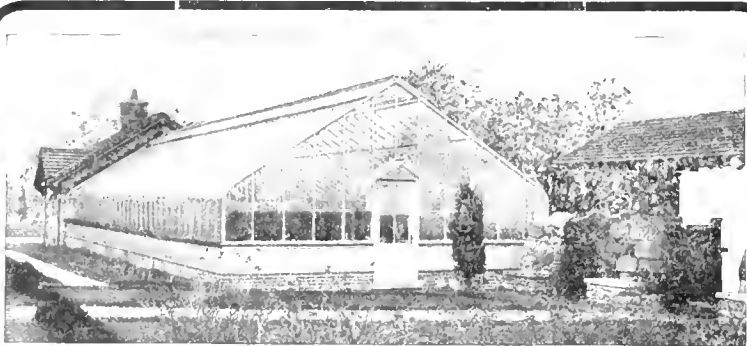
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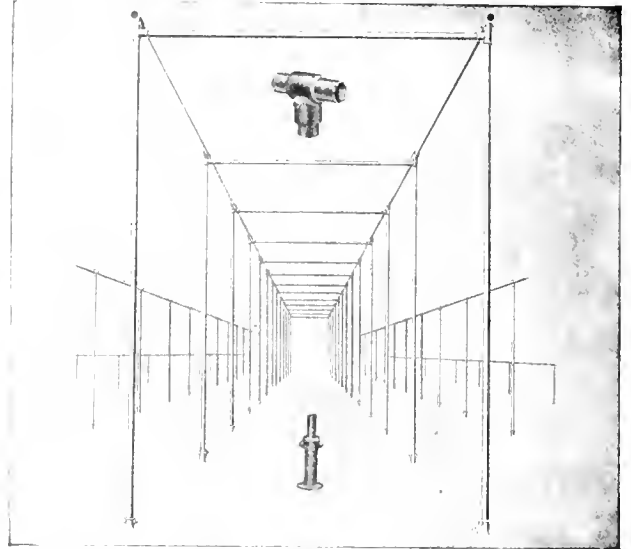
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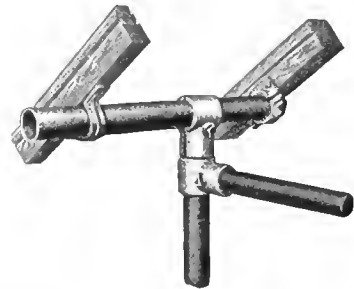
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VOL. XXV. NO. 18

NEW YORK AND CHICAGO, MAY 2, 1908

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FOR THE GARDEN

Strong Field Grown Plants

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Northern Greenhouse-Grown Seed. Per 100 seeds, 60c.; 250 seeds \$1.25; 1000 seeds, \$4.00; 5000 seeds \$19.50; 10,000 seeds, \$37.50. Price for larger lots on application.

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Single white, yellow, pink and scarlet 35c. per doz., \$2.50 per 100; single mixed 30c. per doz., \$2.25 per 100; double white, yellow, pink and scarlet 60c. per doz., \$4.50 per 100; double mixed 50c. per doz., \$4.00 per 100.

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Sound bulbs. Live center shoots. Ten per cent. advance if shipped from our Chicago store.

Circumference	100	1000
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9-12 inch	5.50	50.00
12 inch and up	12.00	



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Good strong stock from 2-in. pots.

Centaur, Double General Grant, El Cid, Miss Kendall, S. A. Nutt, Granville, Jaquerie, Mrs. E. G. Hill, etc., \$2.00 per 100; \$18.50 per 1000.

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Eugene Sue, Mrs. Lawrence, Paul Crampel, Mistral, Jean Oberle, Col. Thomas, etc., \$6.00 per 100; \$50.00 per 1000.

Rose, Nutmeg, Oak Leaved, and Balm, \$2.00 per 100

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We have about 10,000 extra good strong plants, little lots of a kind, the accumulation of the season's odds and ends, single and double, which we offer as long as they last, at \$15.00 per 1000, 85.00 per 500; not less than 500 at this price. These would make good stock for Decoration Day.

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In good variety, 2-inch pots, \$1.50 per doz.; \$6.00 per 100.

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Whole field clumps at \$5.00 per 100 and up. Send for list of 75 varieties.

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A splendid collection of the very best 75 varieties, small flowered or button, \$2.00 per 100, large flowered or Aster type, \$3.00 per 100.

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R. VINCENT, Jr. & SONS CO. WHITE MARSH MARYLAND



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IF you want good **PRIMROSES** by Xmas, you must sow them now.

RAWSON'S GOLD MEDAL PRIMULAS

Are the Finest in the World.

We offer the following desirable colors: Pure White, Brilliant Pink, Deep Blue, Crimson, Salmon, Xmas Red, White with Red Eye

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100 Seeds 50c., 1000 Seeds \$4.00

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Chicago produces the best **ONION SETS** in the country and our this year is not only full but of the very highest quality. Write us for prices.

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SPECIAL MIXTURE SEED FOR GOLF GROUNDS

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JAPANESE, tough and strong, 6 ft. long per 1000 \$5.50; per 2000 \$10.00; per 10 000 \$42.50

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All the leading varieties

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4x6 1.00 9.00
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To Arrive this Week from Australia

OTHER PALM SEEDS

Arriving and in Stock for Immediate Delivery

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ASPARAGUS PLUMOSUS NANUS, true greenhouse grown seed. 100 sds 60c.; 250 sds. \$1.20; 1000 sds. \$4.00; 5000 sds. \$18.00; 10,000 sds. \$35.00.

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 True Greenhouse Grown of High Germination
PLUMOSUS NANUS (true): Per 100 seeds 50c.; 1000 \$3.50; 5000 \$15.00. **SPRENGER!** Per 250 seeds 25c.; 1000 75c.; 5000 \$3.00.

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 CRIMSON RAMBLER, 2 in. pots, \$2.00 per 1000
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 50,000 plants grown in cool greenhouses
 All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000.
 Large plants in bud and bloom, \$1.00 per 100. **Giant Snow**, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500.
PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.
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Gladiolus "America"

FOR FORCING
 Strong bulbs, \$60.00 per 1000.
Florists' white and light, mixed, \$12.00 per 1000.
Iris Kaempferi, named, \$50.00 per 1000.
Iris Kaempferi, mixed, \$30.00 per 1000.
Phoenix Roebelenii, 2 inch pots, \$7.00 per 100.
Phoenix Roebeleni seedlings, \$4.00 per 100.
Liliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.
JOHN LEWIS CHILDS, Floral Park, N.Y.

GLADIOLUS BULBS

100,000 from 1 1/2 inches up at \$4.00 per 1000.
 100,000 from 1 to 1 1/2 inches at \$2.00 per 1000. Cash with order. Description given on request.
 Nice stock of **CALIFORNIA PRIVET**, \$10.00 per 1000 and up as to quality, write for particulars.
 Nice lot of **AMERICAN CHESTNUT TREES** at a bargain. 35 large **SUGAR TREES**, most of them sample trees.
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W. & D.'S SPECIALTIES FOR 1908
 Tomato, "The Don," best for forcing
 Cauliflower, First and Best. Onion, Ailsa Craig. Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spawn, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready.
 Free on application.
WEEBER & DON, SEED MERCHANTS and GROWERS
 114 Chambers St., NEW YORK

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
 George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

KENNETT SQUARE, PA.- A company has been formed here for the manufacture of mushroom spawn, to be known as the Anglo-American Spawn Company, making spawn under entirely different methods from those used by other spawn makers. Several buildings have been erected for this purpose and others are under way. The company states it has discovered a way of "germinating the spores of fully developed, productive specimens, and every brick of spawn is made direct from the spores of selected mushrooms." Test beds from the spawn have, it is said, given entire satisfaction.

PITTSBURG, PA. Thousands of idle men are seeking work on farms and the indications are that the largest crops in the history of the United States will be raised this year. The fact that farm labor is more plentiful than it has been for years has created an unprecedented demand for seeds, especially corn, and seed dealers never were so busy as they are at present. The fact, too, that so many men have been out of employment has caused a rush in the seed markets. Men living in the suburbs who have garden space about their homes are putting in gardens and as a result thousands are busy with the spade, hoe and rake.

THE MANN PURE SEED BILL.- This matter will be dealt with fully by President Green in his annual address before the American Seed Trade Association at Detroit next June. It seems reasonably certain that some federal law will be enacted, and it is necessary, in the interests of the seed trade, that such legislation shall be just and practical. Firms represented at the hearing before the committee on interstate and foreign commerce other than those mentioned in last week's issue, were: Holmes Seed Company, Harrisburg, Pa., and J. M. Lupton, Mattineck, I. I.

It is impossible at this time to say just what further action may be necessary to safeguard the trade against hasty legislation, or to aid in securing wise and helpful regulation, but this subject will receive consideration.

The proceedings at the public hearing will be printed as a public document within a few weeks, and it is hoped to secure a sufficient number of copies to send one to each member of the American Seed Trade Association, and to others who have manifested interest in the matter.

IMPORTS OF SEEDS, ETC. April 21, - Rooney & Spence, 17 cases, grass; A. Roller & Sons, three hundred plants, seven packages, plants; William Elliott & Sons, eight cases, plants. April 22, - Henry Nungesser & Company, 6000 packages, seed; E. A. Havemeyer, one package, plants; F. B. Vandergift & Company, five packages, plants; American & Patterson, 11 packages, plants; M. Hutchison & Company, 25 cases, plants. 117 tubular trees. J. L. Roberts Company, 43 cases, plants. 21 tubular trees; Rooney & Spence, grass seeds, plants; Perry, Ryer & Company, 16 cases, plants; H. H. Berger & Company, two cases, plants; Philip Hirschman, 11 cases, plants, 8 tubular trees. Philip Hirschman & Company, two cases, plants. Smith & Boynton, one case, plant. 51 tubular trees. Malin & Wray, 21 packages, plants, tubular trees. J. & C. Company, two cases, plants. April 23, - Walsh & Sons, one case, plants. April 25, and 26, - W. Thorpe & Company, three cases, tubular garden seed, four cases, plants.

Lilium Harrisii

The best grown. Absolutely pure stock.
 Free from disease. Apply at once to
George W. West, Shelly Bay, Bermuda

GLADIOLI BULBS

GROFF'S HYBRIDS and other stock both Foreign and Domestic, of the highest quality, Florists' Light Mixture and other Mixtures to color. Named varieties of exceptional merit. Write for illustrated catalog.
ARTHUR COWEE, Gladiolus Specialist, MEADOWVALE FARM BERLIN, N. Y.

A HALF MILLION CALLA BULBS FOR SALE

CALLA ETHIOPICA BULBS, 7 to 8 inch circumference.....\$65.00 per 1000
 5 to 7 " " " " " " " " " " " " " " 40.00 " " " " " " " " " " " " " " 25.00 "
 250 at 1000 Rates. Freight Prepaid when Cash is sent with Order. Orders booked now for July shipments.
A. MITTING, 17 to 23 Kennan St., Santa Cruz, Cal.

Asparagus Plumosus Nanus Seed

New Crop, Highest Germination, \$2.50 per 1000, Cash.

Drake Point Greenhouses, - YALAHA, FLORIDA

C. C. Morse & Co.
SEED GROWERS, San Francisco, Cal.
 Address all communications to our permanent address, 48 to 58 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
 Warehouses, Santa Clara. Farms and Farm Headquarters, Carnadero, near Gilroy.

MUSHROOM SPAWN
 made "Direct from Spores" of Selected Mushrooms
 Nature's only way of producing Spawn.
 If your Seedsman cannot supply you write direct to us for pamphlet.
ANGLO-AMERICAN SPAWN CO.
 Kennett Sq., Pa.

FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN**, the best Mushroom Spawn in the market, is sold by all leading seedsman. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. in postage stamps. Address American Spawn Company, St. Paul, Minn

XXX STOCK

Strong, 2 in. Ready for 3-inch pots.
NAVITURTIUM, finest dwarf, \$2.00 per 100.
LOBELIA Crystal Palace. Extra fine dwarf; \$2.00 per 100.
HELIOTROPE, dark, \$2.00 per 100; strong 3-inch, in bud, \$4.00 per 100.
PELARGONIUMS, Fancy Mixed, 3 in., \$6.00 per 100.
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PETUNIAS, New Star, very fine, \$2.00 per 100.
PHLOX, finest dwarf, mixed, \$2.00 per 100.
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GIANT PANSIES, in bloom, \$1.50 per 100.

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CHINESE PRIMROSE, Finest grown, varieties mixed; 500 seeds, \$1; half pkt, 50c.
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GIANT PANSY, Best large-flowering, mixed, critically selected, 5000 seeds, \$1.00, half pkt., 50c.
 Cash. Liberal extra count of seeds in all packets.

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 - 8 bu. beans, Wardwell's Kidney Wax 2.50
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- GLADIOLUS BULBS, large No. 1, fine mixture, \$4.00 per 1000.
- CAULIFLOWER PLANTS, Early Dwarf Erfurt, nice stock hardened, ready for planting, \$4.00 per 1000.
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- STRAWBERRY PLANTS, quality collection 500 plants in five varieties early to late for \$2.00.
- All above quick cash offer. Mention this paper.
- W. F. ALLEN, 102 Market St., Salisbury, Md.

Seed Trade Notes.

As I foreshadowed in my last notes, the past week marked very clearly the "beginning of the end" of the splendid seed selling season of 1908. This does not mean that there is not still business aplenty, but the stampeding rush, which for the past six weeks has kept our seedsmen working to the utmost limits of human endurance, is over, and from now on it remains to clean up the season's orders, and give every possible attention to the very lucrative retail over-the-counter trade that for another month or so will help wonderfully to round out one of the best seed selling years we have for a long time experienced.

As regards the mail trade of the season now ending, there would seem in the as yet absence of absolute figures to be a general opinion among the larger houses that final figures will show a general increase of from five to ten per cent, over the average of the past ten year totals. Counter business has so far been quite a little above the normal, but it will depend largely on the sales of this month (May) to round out a satisfactory retail total. Wholesale orders are now naturally beginning to get small; simply the few odds and ends needed to fill out the last shortages.

I have mentioned that the over-the-counter retail cash trade of the next few weeks will wonderfully help out the season's profits; and there are many reasons for our seedsmen giving every attention to this May business, chief of which may perhaps be mentioned the readiness and willingness, in most cases, of the customers to take whatever is left of the depleted seed stocks. This gives the needed outlet for those yearly surpluses which the longest experience and most careful buying cannot wholly guard against. Every possible painstaking care should be devoted to this retail business of the month of May, as no other branch of our whole seed business can develop larger lucrative possibilities.

Much satisfaction is being expressed by every member of the seed trade, that the consideration of the proposed legislation as regards pure seeds, as embodied in the Mann Pure Seed Bill, will go over until another year. Such a conservative settlement of the matter at this time, until all concerned may have had ample chance and opportunity to express their views on the subject, reflects the greatest credit upon Mr. Mann and all sponsors of the measure. That such a satisfactory present outcome has been reached, the whole seed trade is heartily indebted to those seedsmen who, notwithstanding the inconvenience and money loss entailed by leaving their own businesses at this the busiest time of the whole year, went to Washington the week before last and so clearly placed the importance of the most conservative action in this matter before Mr. Mann and the Foreign and Interstate Commerce Committee. There is no difference of

opinion among seedsmen, that conservative and proper restrictive laws along this line, looking toward the ideal purity of seeds, would result in great and lasting good to the whole seed business. Mr. Mann also fully shares the conservative views of the seed trade, and it is therefore not too much to hope for a most satisfactory settlement of this important subject next year.

The past week has witnessed the opening of the vegetable and plant selling season with seedsmen. Each succeeding year those firms who push these goods are experiencing an increase of orders; and not only is a good profit secured, but of still more importance the selling season for seeds is much lengthened out by these plant offerings, as they greatly tend toward keeping the customers coming until the very end of May, and even well into June.

Our Holland friends are beginning to arrive daily for their annual bulb orders. We cannot much longer put off the important question of what quantities of hyacinths, tulips, narcissus, etc., we can sell another Autumn. But the conservative opinion of the trade would seem to be that about an average Fall bulb season is in sight. V.

CATALOGUES RECEIVED.

HAMMOND'S SLUG SHOT WORKS, Fishkill-on-Hudson, N. Y. — Illustrated Catalogue of Trip Juice, that kills Scale, also one on Slug Shot, that effective remedy for many ills to which plant life is heir, containing as well an interesting story on the development of a School Garden in New York State.

VAN HEININGEN BROTHERS & COMPANY, Boskoop, Holland (New York office, J. C. Van Heiningen, care of Maltus & Ware, 14 Stone street). General Catalogue of Nursery Stock. It is announced that this firm has secured the collection of rare and hardy Rhododendrons, formerly owned by the Kissona Nurseries of Parsons & Sons Company, Flushing, N. Y., which were never placed in commerce. These are now listed for the first time.

THE FOLEY MANUFACTURING COMPANY, CHICAGO. — Catalogue of Materials for all kinds of Greenhouse Construction. Beautifully illustrated with views of houses erected by the Foley firm in all sections of the country—a good guide to the popularity of the concern's materials—also illustrations and descriptions of all appliances necessary in greenhouse building. Attention is directed to the value of Orr & Lockett's Florists' Refrigerators, of which the Foley house is the selling agent.

HARDY PERENNIALS

- 5000 DELPHINIUM HYBRID, field grown.
- 10000 ANEMONE JAPONICA, field grown.
- (Varieties: Queen Charlotte, Whirlwind, Alba and Rubra.)
- 1000 SHASTA DAISIES, field grown.
- 1000 HEUCHERA SANGUINEA, 3 1/2 in. pots.
- 5000 PHLOX SUBULATA, in variety, 2 1/2 in. pots.
- 3000 ORIENTAL POPPY, 3 in. pots.
- 5000 PRIMULA JAPONICA, field grown, \$5.00 per 100, or \$10 per 1000.
- 2000 VERONICA LONGIFOLIA SUBSESSILIS, \$5.00 per 100; \$50.00 per 1000.

Cash with order.

J. B. KELLER SONS, Rochester, N. Y.
Growers of Hardy Perennials

- HYDRANGEA From 4 in. pots.
- OTAKA MONSTROSA \$6.00 per 100; 5 in. \$2.00 per dozen, \$15.00 per 100; 6 in. \$20.00 per 100. A limited number of large plants, 10 in. pots, \$1.00 each; all pot grown.
- CYCLAMEN P. Giganteum, Rukoka, etc., from 2 1/2 in. pots, \$3.00 per 100.
- DAISIES, Queen Alexandra, 2 1/2 in. pots, \$2.00 per 100, 4 in. \$6.00 per 100; 5 in. \$1.25 per dozen; all in bud, fine stock for Decoration Day.
- PANSIES, good, transplanted stock, \$2.00 per 1000, Cash.

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CABBAGE PLANTS

Jersey Wakefield, ready for field, \$1.25 per 1000. Tomato, all kinds, \$1.50 per 1000.
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| Begonia, Tuberous | Geranium | Primula |
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| Chrysanthemum | Lettuce in the Open and under Glass | Tomatoes, Outdoors |
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NEW CANNAS 1908

ROSEA GIGANTEA
This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2 1/2 inches across; color, a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. (A great favorite with visitors to our trial grounds.) Strong plants, \$2.00 each, prepaid; \$18.00 per doz. by express, not prepaid.

each other, thus giving a very attractive appearance to the flowers. Color is crimson, changing to carmine rose with an uneven edge of gold to each petal. Height, 3 1/2 feet. Price, strong plants, \$2.00 each, prepaid; \$18.00 per doz., by express, not prepaid.

GLADIO-FLORA
Remarkable for the unusual shape of the flowers, which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap

CANNA METEOR
Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich; each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all Summer through. Price, plants or dormant roots, 75c. each, postpaid; \$6.00 per doz., by express, not prepaid.

NEW CANNAS OF SPECIAL MERIT

WILLIAM SAUNDERS
(1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze.

Height, 3 1/2 to 4 feet. We believe that Wm. Saunders is decidedly the most perfect canna of this type that has been introduced. Those who tried Wm. Saunders in 1907 say it cannot be excelled. We offer plants only; 60c. each, postpaid; \$5.00 per doz., \$35.00 per 100, by express, not prepaid.

60 other Varieties. Send for list and prices

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Strong young plants, well packed, 500 of one variety only, at 1000 rates, the following at 50c. per 100; \$2.50 per 1000: **Michels' Early**, **Moun's Early**, **Success**, **Virginia**, **Morning Star**, **Tennessee**, **Dunlap**. The above all early. **Downing**, **Haverland**, **Bebach**, **Auto**, **Glen Mary**, **Marshall**, **Saunders**, **Nick Ohmer**, **Sample**, **Parson's Beauty** and **Robbie**, Midwestern varieties. **Gandy**, **Steven's Late**, **Aroma**, **New Home**, **Commonwealth**, **Brandywine**, and **Crimson Cluster**, **Late Varieties**. The following at 75c. per 100; \$3.00 per 1000: **President** and **Cardinal**, **Chesapeake**, \$1.00 per 100.

VEGETABLE PLANTS

CABBAGE, Wakefield, L. J. Second Early, Early Flat Dutch, Early Summer, Winnigstadt, and other later varieties, \$1.00 per 1000; \$8.50 per 10,000.
BEEFS, Eclipse, Crosby and Egyptian, 25c. per 100; \$1.25 per 1000.
LETTUCE, Boston Market, Tennis Ball, Big Boston and Grand Rapids, 20c. per 100; \$1.00 per 1000.
CELERY, White Plume and G. S. Blanching, 20c. per 100; \$1.00 per 1000.
Cash with order.

CHAS. BLACK, Hightstown, N. J. **R. VINCENT, Jr. & SONS CO., White Marsh Md.**

How to Fight the Rose Chafer.

BY H. A. GOSSARD.

The rose chafer beetle issues from the ground in June and within two or three weeks lays its eggs in the earth from one to four inches beneath the surface, usually in waste land, particularly if it be of light sandy character. The grubs, which much resemble the well-known white grubs of soil land, except for their smaller size, feed on the roots of grasses and various plants. They descend below the reach of frost on the approach of Winter and in May ascend nearer to the surface and pupate. Where practicable, badly infested soil may be plowed in late May, thereby destroying many of the pupae by breaking their cells, thus preventing the emergence of the same number of beetles. After the beetles appear, there is no reliable remedy, except fencing them away from valuable plants and hand-picking. Sometimes they will not attack plants sprayed with Bordeaux mixture; again they pay no heed to any kind of spray. While they are killed by strong arsenicals, so many recruits are always ready to take the places of the destroyed beetles that the results of poisonous sprays are almost imperceptible. Specially valuable plants, such as grapevines, small fruit trees, etc., may be enclosed in mosquito netting for two or three weeks during the period of swarming of the beetles, but this method of protection is obviously impracticable on a large scale. Newly set clusters of grapes may be made safe by enclosing them in paper sacks. The most practical device for use on a fair sized scale is an umbrella-shaped collector made of cloth, having a hole in the bottom. Beneath the opening in the umbrella or funnel should be placed a pail containing water with kerosene floating on top. If the beetles above the collector are sharply disturbed by jarring, they quickly loosen their hold and are precipitated into the kerosene. It may be necessary to jar three times per day through a period of ten days or two weeks to get a crop of grapes. With a sufficiently large collector one should be able to jar a rod of heavy grape row in less than five minutes. Some prefer a collector made by tacking cloth strips to long rectangular frames which are laid on the ground beneath the grape rows. When ready for use, the cloth is painted with kerosene or coal tar and jarring is performed by beating or shaking the vines.



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Hybrid Perpetual, Moss and other Hardy Roses. Strong two-year-old Plants, nearly all in 6-inch pots.

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Alfred K. Williams	25.00
American Beauty	25.00
Blanche Moreau	25.00
Baroness Rothschild	25.00
Baron de Bonstettin	25.00
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Common Provence	25.00
Clio	25.00
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A type of Rose which is becoming very popular for bedding purposes. They form shapely, compact, bushy specimens about 18 inches high, producing great profusion from early in the season until severe frost immense trusses of small flowers.

Crimson Baby Rambler (Mme. Norbert Lavasseur). An extra fine lot of strong two-year-old plants, \$2.50 per dozen; \$20.00 per 100.

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STRONG TWO-YEAR-OLD PLANTS in 5 and 6-inch pots, specially prepared for outdoor planting.

The Roses which we here offer are field-grown stock, either American grown or plants that have been imported from England and Ireland. We handle no Holland grown Roses.

These plants are all potted up during December and January, and were stored in cold houses; they are now growing freely and are in prime condition to sell to your retail trade; all are in 5 and 6-inch pots, according to variety.

	Per 100
Bessie Brown	\$30.00
Belle Lyonnaise	25.00
Caroline Testout	25.00
Catherine Mermet	25.00
Celia (new)	50.00
Comtesse Riza du Parc	20.00
Corallina	30.00
Countess Cairns	30.00
Earl of Warwick	25.00
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Marshall P. Wilder	Common Sweet Briar
Mrs. John Lulog	Mme. G. Brunet
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Splendid Stock

- HYDRANGEA Otaksa, In bud and bloom, 4 to 8 in. pots
- ASPARAGUS Plumosus, 3 and 4 in.
- ASPARAGUS Sprengeri, 3 and 4 in.
- ROSES, Brides, Maids, Gates and Uncle John, out of 2 1/2 and 3 in.
- DRACAENAS, 5 and 6 in. pots.
- VINCAS, 3 and 4 in. pots.

Write for prices.
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AMSTERDAM, N. Y.

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THORN HEDGE GREENHOUSES,
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OWN ROOTS, 2 1/2 inch pots
2000 BRIDES, 100, \$3.50; 1000, \$30.00
2000 MAIDS, 100, \$3.50; 1000, \$30.00

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1000 2-year-old plants in fine condition \$8.00 per 100.

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WE GROW A GENERAL ASSORTMENT OF
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SURPLUS LIST OF SHRUBS

for immediate effect. Shrubs must be sold this Spring on account of cleaning ground, and they are also too large to hold over. They are in excellent condition, clean, healthy and have good fibrous roots, strong and bushy.

Height Feet	Whole-sale prices	Height Feet	Whole-sale prices
100 Deutzia creuata	2-3 25c.	50 Forsythia viridissima	3-4 25c.
300 " "	3-4 30c.	475 " "	4-5 30c.
235 " "	4-5 35c.	400 Ligustrum Iota	3-4 35c.
260 " "	5-6 40c.	30 " "	4-5 40c.
45 Deutzia gracilis	1-1 1/2 15c.	10 " "	6-7 50c.
147 " "	1 1/2-2 20c.	200 Lonicera Morrowii	3-4 35c.
208 " "	2-2 1/2 25c.	175 Philadelphus coronarius	4-5 40c.
210 " "	2 1/2-3 30c.	25 " grandiflorus	4-5 40c.
30 Diervilla (Weigelia) rosea	3-4 30c.	137 Spirea opulifolia	5-6 35c.
95 " "	4-5 35c.	288 " "	6-7 40c.
355 " "	5-6 40c.	327 " aurea	6-7 35c.
100 Forsythia Fortunei	4-5 30c.	177 " "	6-7 40c.
150 " "	5-6 35c.	200 Symphoricarpos Vulgaris	3-4 30c.
94 " "	6-7 40c.		

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Any size you want up to 7 feet. Come and see the blocks.
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Bride, Bridesmaid, Kaiserin, Killarney, Richmond, Wellesley
\$12.00 per 100, \$100.00 per 1000

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We do not object to the space writer supplying the syndicate that furnishes a series of daily newspapers, among them the Indianapolis News, notes on horticultural subjects, using Mr. Meehan's material; but it is a mean thing to do so without giving credit either to the original writer of the matter or the paper from which it was culled.

Evergreen Seedlings.

UNITED STATES v. OUWERKERK.

U. S. Circuit Court of Appeals, Second Circuit, April 14, 1908. No. 128 (suit 4136).

EVERGREEN SEEDLINGS—LAURELS—RHODODENDRONS—NURSERY STOCK. Species of the laurel (*Aucuba japonica* and *Kalmia latifolia*) and of the rhododendron (*Rhododendron ponticum*), which retain their verdure throughout the year, are "evergreens" within the meaning of paragraph 252, tariff act of 1897; and under said paragraph seedlings of those plants are dutiable as "evergreen seedlings" rather than as "nursery stock."

APPEAL from the circuit court of the United States for the southern district of New York.

[Decision adverse to the Government.]

For decision below see 153 Federal Reporter, 916 (T. D. 28183), in which the circuit court affirmed a decision by the Board of United States General Appraisers, G. A. 6169 (T. D. 26772), which had sustained protests by P. Ouwerkerk against the assessment of duty by the collector of customs at the port of New York.

The merchandise in dispute consisted of three varieties of plants, designated as *Aucuba japonica* or Japanese laurel, *Rhododendron ponticum*, and *Kalmia latifolia* or American laurel. The Board held these plants to be dutiable under paragraph 252, tariff act of 1897, as "evergreen seedlings." The Government contended that they had been properly classified under the provision in the same paragraph for "nursery stock."

The theory of the Government's contention is that the term "evergreen" is restricted to such evergreen plants as the conifers and box. The Board of General Appraisers held, however—and its decision was affirmed by the circuit court without opinion—that the term is not so restricted, but applies to seedlings of all plants which retain their greenness throughout the year, and that it is sufficient if a plant fall within the general class of evergreens, irrespective of whether it is hardy in a particular locality or under different climatic conditions. The plants in question, being shown to be "evergreen" in this sense, were held to be "evergreen seedlings," as above set forth.

The Two Judas Trees.

In American collections there are two Judas trees, the *Cercis canadensis* and *C. japonica*. In Europe they have a third, *C. siliquastrum*, but the latter does not succeed with us. Of the two that do *C. canadensis* is the larger grower, but *C. japonica* is the handsomer. Both have pink flowers, but those of *C. japonica* are of a much darker pink and altogether is to be preferred to the other. The Japanese one is really a bush, and a slow growing one at that, while *C. canadensis* is a small tree. Both are much planted, the Japanese the oftener, as it fits into so many situations the taller one would not suit. As is well known, the flowering is in the early days of Spring, and the Judas trees are greatly valued then as so few other shrubs, throwing flowers of the same color, bloom at the same time. An interesting feature of the flowering of the Judas bushes is the appearing of the flowers on the hard shoots of the past seasons. It is not alone the shoots of the year passed that have flowers, the limbs of many years past produce them too, and often a few will appear on the trunk itself of old trees or bushes.

In many catalogues these two species are listed under trees. This is proper of *C. canadensis*, but *C. japonica* is never a tree, and should always be enumerated among the shrubs.

Mr. Teas, the nurseryman of Centerville, Ind., has put in circulation a white flowered form of *C. canadensis*, an interesting variety for planting with the others.

Of all the species and varieties nurserymen find the best sales for the Japanese, *C. japonica*; and it is easily raised from seeds.

Watering at Planting.

It is generally believed that with late Spring plantings of trees a watering at the time is beneficial, as it certainly is. But in the writer's opinion there is no time when planted when watering is not a help to the tree. The soil is required to be damp and fitting closely to the roots of a tree when planted, and nothing does this so well as a pail of water emptied in the hole when it is half filled with soil. When water is not used the soil may or may not embrace the roots closely. A careful planter tries his best to get it in its proper place, and now that sand is being used for the filling in immediately about the roots, it is better accomplished than was possible before, but water insures it.

With trees and shrubs that have strong roots it is easily seen whether soil is well compacted or not, but not so with evergreens that carry a ball of fibrous roots. It is not easy to get soil under and around a mass of fibrous roots, such as hemlocks, say, carry. Sand gets there the best, and if helped by pouring water in the hole when half filled, it is almost certain to make a success of the transplanting.

So far as adding moisture to the soil is concerned, this is but secondary to the solidifying of the earth about the roots. Still it does no harm to provide the additional water.

As a rule, the month of May is a hot and dry one,

On elevated sites near the vicinity of water they generally flourish well, the moist air being just to their liking.

Wistarias in Pots.

The great beauty of the wistaria when in flower can be seen by many to seek the nurseryman or florist nearest to hand to obtain a plant of it, and how often they are disappointed, because of there being none in pot, and it being too late to dig one from the ground! A great deal more business could be done were those who deal in plants to remember the advertising of stock which nature does for us. It illustrates the trees and shrubs of all kinds, showing how they grow, the shape they assume and the flowers they bear, better than any writing or photographs could do. These natural advertisements act the same as those in magazines. They quicken into action those who see them and who wish to secure some of the same plants. In many establishments these calls are anticipated and prepared for, a supply of plants being potted ready.

Among vines the wistaria is always in demand. It makes such a magnificent display when vines are strong and large. Many houses have the wistaria covering their fronts to the uppermost window, and such vines usually flower so abundantly that nothing but a sheet of blossoms can be seen.



Photo by Peter Blisset

Kalmia latifolia.

and oftener than not there is a lack of moisture before the planted stock has got good root-hold, making it quite sure to say there will not be more moisture than the roots can take care of.

Planting Kalmias.

This is the season that sees many plantations of kalmias formed. When beds are made for them, being dug to a depth of several feet and then filled in with rough material at the bottom and turfy loam at the top, there is moisture at the roots all the time, and plants usually thrive in them, even when they get but little shade. But the right place for these plants is where the soil is deep and moist and light, and where the sun does not strike them in the heat of the day, such a place, in fact, as they are found in in a wild state.

Imported plants are given the best of care and reach here appearing superior to our own, the foliage being larger and of a brighter green. When these plants are set out here they are often placed in positions not as good as they previously occupied, hence at the end of the season they do not look as well as when they came, and, too, the transplanting has checked them. What to expect of kalmias is not that they will carry along the vivid green of the foliage they were landed with; this our climate will not allow. But to look for them to well represent the best of those found in their wild state is quite possible, given the proper attention, as suggested.

Among the several kinds of wistarias in cultivation none is the equal of the old Chinese, *Wistaria chinensis*, with its purplish-lilac blossoms. There is a white variety of it for those who like it. The Japanese one, *W. multijuga*, has racemes of greater length, but the flowers are farther apart, hence not as striking as those of the Chinese. The American, *W. frutescens*, has much smaller racemes, and blooms a week or two later than the others, and, altogether, is not as useful for the purposes for which the Chinese is employed.

These wistarias have large roots and need large pots to hold them. But if potted a year in advance, as they should be, the roots may be cut back a great deal as well as the tops, to correspond, rendering possible the use of smaller pots.

Much of what is said here applies to all popular vines. There will be calls for them when it is too late to dig them, as there will be, too, for many handsome shrubs; so be prepared by potting a supply now.

JOSEPH MEEHAN.

DALIA ETHEL VICK. Fred. S. Peterson, of James Vick's Sons, Rochester, N. Y., writes to the April, 1908, *Dahlia News* as follows: "The Ethel" is a dahlia originated in Le Roy, N. Y., and was placed on the market the same year as A. D. Lyoni, with which it is synonymous.

Jottings for Florists.

An American Beauty rose with a stem fifteen feet long was an attraction in the window of Robert Kift a short time ago. It came from Eugene Bernheimer, and was grown at North Wales in the large greenhouse belonging to the Florex Gardens, in which Mr. Bernheimer is interested. It is well to know where American Beauty with stems that long may be obtained when needed, but a rose house so constructed that it will insure the stems to set buds when not more than three and a half to four feet long would be more profitable to the grower. That is the way it looks from here!

At Pennock Brothers' store I saw cut growers of *Arctotis grandis*, which is an annual from Southwest Africa. It is the first time I had noticed it used as a cut flower in winter. It belongs to the composite family, from a botanist's viewpoint, consequently it is a daisy-like flower, and to the people in general it is a daisy.

When I grew it a few years ago outdoors in summer, if I recollect correctly, the flowers had a tendency to close toward evening. It is quite distinct from other daisies in so far as the underside of the petals is a lavender shade of coloring, though the upper surface is white all right. The fact that this annual may be forced into bloom for winter goes to prove that there may be many other annuals not yet tried, which might be made use of for that purpose to advantage, by sowing the seeds in August or September.

How did the hardy native *Phlox divaricata* come by the name of "wild Sweet William"? They are somewhat distantly removed from each other botanically. Neither the shape of the flowers nor the color thereof in any way suggests *Dianthus barbatus*.

Sweet Williams so far as I have seen them have not produced lavender-colored flowers, such as this native *phlox* possesses, nor at the same season of the year. The *phlox* is now in bloom here; so also is the yellow hardy *Alyssum saxatile*. Those two associated together in Spring bedding make a harmonious color combination which is very pleasing.

Is there a white form of *P. divaricata* in cultivation? It runs in my mind I had seen it, noticed either in a catalogue or in some journal devoted to horticulture at some time, but I have hunted high and low without the desired effect. A white form would be valuable.

The late Albert Woltemate used to force the old lavender-blue variety for Easter. EDWIN LONSDALE.

POT ROSES

H. P. and H. T. in 4, 5 and 6 in. pots. CRIMSON RAMBLER, extra fine, 2 in. pots, \$25.00 per 1000. ANNY MULLER, 2 in. pots, \$35.00 per 1000. WHITE BABY RAMBLER, 2 in. pots, \$20.00 per 1000.

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Roses and Vincas

See column adv. page 576, April 25 400 best sorts 2 1/2 and 4 in.

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Baby Rambler, 6 in., in bud and bloom, \$25.00 per 100. Rooted Cuttings of CHRYS-ANTHEMUMS, Nonin, Mardock, and Enguehard, \$9.00 per 1000. Cash only.

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LARGE PLANTS, 4 in. pots, 2 yrs. old, of the true old-fashioned sweet LAVENDER, 10c. each; \$1.00 per doz.

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Strong 4-in. Roses in the Following Kinds:

Pink Cochet, Mme. Welche, Mme. de Vatre, Saffrano, Marie van Houtte, Maria Guillot, Bessie Brown, Etoile de France, Climbing Meteor, Pernet Pere, Souv. de an Ami, Souv. de Pierre Notting, Bridesmaid, Mlle. Helene Gambler, Clothilde Souper, White Cochet, Grass an Tepiltz, Souv. de la Malmaison—the above at \$5.00 per 100; \$75.00 per 1000.

Crimson Baby Rambler—Fine plants from cold frames; will come into bloom quick—\$10.00 per 100; \$80.00 per 1000; 260 at thousand rate.

We also have a fine list of 2 1/4-in. and 2 1/2-in. pot young Roses. Send us your list of wants for special prices.

Coleus, assorted kinds, 2-in.	Per 100	\$2.00
Rooted cuttings, assorted, \$5 per 1000		.60
Begonias, assorted, our choice 2-in.		2.50
Geranium, Mme. Sallerol, 2-in.		2.00
Heliotropes, in variety, 2-in.		2.00
Ageratum, in variety, 2-in.		2.00
Dwarf Lantanas, in variety, 2-in.		3.00
Paris Daisies, named kinds, 2-in.		2.00
Abutilons, three kinds, 2-in.		2.00
Salvia Splendens, 2-in.		2.00
Strobilanthes, "Royal Purple," 2-in.		2.50
Jasmines, four kinds, 2-in.		3.00
Bougainvillea, 2-in.		3.50
Vinea Variegata, 2-in.		2.00
Hibiscus, 2-in.		2.50
Chrysanthemums, rooted cuttings, in variety; our choice		1.00
Cannas, in variety, dormant two to three eyes; our choice		2.00
Ferns—Boston, 4-in.	\$8.00 and 10.00	
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2 1/4-in., strong	4.00	
Scottii, 3-in., strong	6.00	
Rubber Plants, 4-in. Per doz.	\$3.00 and 4.00	

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ROSES OWN ROOTS

2 1/2 in. pots, Summer propagated, 600 Plants at 1000 rate.		
100, \$3; 1000, \$25.	\$3.00 per 100;	\$27.50 per 1000
Baby Rambler	Maman Cochet	White Cochet
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Mme. Cecile Berthod	Bessie Brown	Climbing Kaiserin
Saffraao	Snowflake	Climbing Meteor
Mosella	Isabella Spraut	Malmaison
Coq. De Lyon	Marie Van Houtte	Meteor
The Bride	Papa Gontier	White Bougere
Bon Silene	The Bride	Grass an Tepiltz
Chatenay	Hermosa	Lady Gay
D. of Brabant	Lady Gay	Sunrise, 100, \$3.50
Queen's Scarlet	Crimson Rambler	Etoile de France,
Crimson Rambler	100, \$3.50; 1000,	100, \$3.50.
\$30.00	Joe Hill, 100, \$4.00	Helea Good, 100,
Kaiserin	\$5.00.	Baby Rambler, in
Perle des Jardins	Magnifano	bud and bloom,
Magnifano	Paul Neyron	4 in. pots, 100,
Paul Neyron	Striped K. M.	\$8.00.
Striped K. M.	Henrietta	\$8.00.
Henrietta	HYDRANGEA, Arborescens Grandiflora	alba, 2 1/2 in. pots, \$6.00 per 100; \$50.00 per 1000.

JOHN A. DOYLE, Springfield, Ohio

ROSES

BRIDES MAIDS RICHMOND KILLARNEY } OWN ROOTS Per 100 Per 1000 2 1/2 in., \$5.00 \$40.00 GRAFTED 2 1/2 in., \$15.00 \$120.00 (Grafted Richmonds all sold.)

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45 Veronica Incana	.07	160 Platycodon Grandiflora	.07
2 Funkia Alba	.08	595 Gaillardia Gran. Comp	.06
500 Myosotis Pal. Semper	.04	230 Lythrum Roseum Super	.06
50 Sedum Acre	.06	466 Campanula Rapunculoides	.06
60 Pyrethrum Gran.	.15	245 Campanula Grosseckii	.07
30 Panstemon Digitalis	.07	145 Clematis Davidiana	.06
75 Helianthus Maximus	.06	205 Digitalis grandiflora	.06
155 Bocconia Cordata	.06	315 Hibiscus Crimson Eye	.06
180 Phloxstegia Virginica	.06	90 Pardonthus Sinensis	.06
185 Boltonia Asteroides	.06	15 Lychnis Chal. Alba	.06
1000 Golden Glow	.06	15 Lychnis Chal. fl. pl.	.15
85 Phlox Rosea	.06	100 Lychnis Chalcedonica	.06
280 Hydrangea	.10	30 Chelone Lyoni	.08
45 Boltonia Latifolia	.06	125 Iris Kempferi	.08
35 Helianthus Maximus	.06	20 Polemonium Ceruleum	.07
155 Agrostema Coronaria	.06	25 Polemonium Reptans	.07
300 Lavandula Vera	.06	20 Iris Mrs. Neubronner	.06
275 Iberis Sempervirens	.07	100 Campanula Grosseckii	.07
34 Iberis Corceifolia	.10	230 Arabis Alpina fl. pl.	.05
60 Campanula Rapunculoides	.06	40 Dianthus Homer	.06
15 Spiraea Aruncus	.07	45 Hibiscus	.06
35 Spiraea Chinesis	.08	474 Heliopsis	.06
25 Spiraea Giganta	.08	365 Rudbeckia	.07
90 Pyrethrum Uliginosum	.06	200 Eupatorium	.06
100 Liatris Pycnostachya	.06	70 Artemisia	.06
75 Artemisia Abrotamum	.06	5 Scabiosa Caucasia	.08
20 Eupatorium Ageratoides	.06	40 Polemonium Reptans	.07
35 Aster A. Bessarabicus	.07	126 Palmaria Maculata	.08
65 Aster F. W. Raynor	.07	200 Iris Spectabilis	.06
120 Aster Snowflake	.07	30 Iris Florentina Alba	.06
600 Coreopsis Rosea	.06	30 Iris Penelope	.06
5 Paeoniarum Saecula Maculata	.08	55 Funkia Cerulea	.05
60 Auricula Mixed	.06	100 Sedum spec., white	.06
95 Gaillardia Splendens	.06	25 Papaver Iceland	.06
330 Solidago Canadensis	.05	95 Delphiniums Chinesis	.06
270 Gaillardia gran. comp.	.06	265 Phlox Queen	.06
235 Eupatorium Ageratoides	.06	115 Phlox Premier Ministre	.06
95 Eupatorium Fraseri	.06	180 Phlox Pink Beauty	.06
30 Delphinium Formosum	.06	180 Phlox Mad. P. Langier	.06
150 Papaver Orientale	.06	20 Phlox Mollere	.06
560 Gypsophila Paniculata	.07	15 Phlox Matados	.06
225 Heliopsis Scaber Major	.06	20 Phlox L'Esperance	.06
15 Helium Grandl. Std.	.07	15 Phlox Carand Ache	.06
50 Pyrethrum Uliginosum	.06	60 Monarda Didyma Rosea	.06
45 Coreopsis Lan.	.05	70 Salvia A. Grandiflora	.07
25 Lobelia Cardinalis	.06	5 Coreopsis Lan. Gran.	.07
180 Phlox Pre. Minstre	.06	100 Liatris Pycnostachya	.06
225 Phlox Queen	.06	50 Rudbeckia Purpurea	.07
85 Phlox Dr. Hornby	.06	40 Platycodon Grandiflora	.06
75 Phlox Andrew Keer	.05	90 Cerastium Tomentosum	.06
165 Phlox Queen	.06	35 Tanica Atroragulinum	.07
104 Aquilegia Chrysantha Alba	.06	90 Oenothera Fraseri	.08
135 Aquilegia Chrysantha	.06	45 Oenothera Speciosa	.08
146 Aquilegia Canadensis	.06	35 Oenothera Pilgrimii	.08
105 Chrysanthemum Shasta Daisy	.06	40 Alyseum Compactum	.08
345 Chrysanthemum Triumph	.04	65 Baptisia Australis	.06
35 Sweet William mixed	.06	15 Veronica Virginica	.07
39 Sweet William double mixed	.06	35 Clematis Davidiana	.06
100 Salvia A. Grandiflora	.07	100 Phlox Mad. P. Langier	.06
50 Phlox Carand Ache	.06	20 Phlox Pink Beauty	.06
275 Veronica Spicata	.07	15 Phlox L'Esperance	.06
115 Achillea The Pearl	.06		

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Chrysanthemum Stock 2 1/4 in. pots

PINK	Per 100	YELLOW	Per 100	WHITE	Per 100
A. J. Balfour	\$2.50	Col. D. Appleton	\$2.50	Ivory	\$2.25
Paulie	2.25	Gold Mine	4.00	Alice Byron	2.25
Maude Dean	2.50	Monrovia	4.00	Mrs. Heary Robinson	2.50
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Pink Ivory	2.25	October Sunshine	2.50	Timothy Eaton	2.25
CRIMSON	Per 100	Yellow Eaton	3.50	White Deau	3.50
Black Hawk	\$2.25			Anoma	3.00
John Shrimpton	2.25			Jeanne Nonin	3.00
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Edward J. Taylor, Greens Farms, Conn.

60,000 GRAFTED ROSES

Chatenay, Killarney, Richmond, Liberty, La France, in rose pots, \$15.00 per 100; 3 1/2 inch pots, \$18.00 per 100. Bride, Bridesmaid, Golden Gate, Kaiserin, in rose pots, \$10.00 per 100; 3 1/2 inch pots, \$15.00 per 100. OWN ROOT ROSES 3 inch pots, \$9.00 and \$7.00 per 100.

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PLANT CULTURE PRICE \$1.00 THE BEST BOOK FOR THE PLANT GROWER. A. T. DE LA MARE PTG. 2 PUB. CO. LTD., 2-8 DUANE STREET, NEW YORK

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Finest plants ever arrived in this country. In order to move them quickly we offer cases of about 40 fine plants with over 450 bulbs for \$55.00 per case.

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ONCIDIUM VARICOSUM ROGERSII, fine stock, \$18.00 per dozen.

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SUMMIT, N. J.

NEPHROLEPIS AMERPOHLI

PHILADELPHIA LACE FERN

\$12.00 per 100, \$100.00 per 1000. 5% off cash with order.

These are good strong plants that were potted November and December last.

We need the room and must move them.

Also a fine lot of 6½ inch pots at 75 cents each, 25 or more at 70 cents each.

This is the most talked about fern of the lot and has been awarded a great many honors, including a medal by the Royal Horticultural Society of London and the "Kitt Cup" by the Pennsylvania Horticultural Society for the most meritorious new plant introduced in 1907.

Equally as good as green for cut flowers or pot culture.

The stock here offered is in superb condition.

WILLIAM P. CRAIG, 1305 Filbert Street, Philadelphia, Pa.

FINE FERNS FOR JARDINIERS

Very bushy and in best varieties. Liberal count on all orders. 2¼ in. pots, \$3.00 per 100, \$25.00 per 1000. Asparagus Plumosus Natus, 2¼ in. pots, \$3.50 per 100, \$30.00 per 1000.

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NEPHROLEPIS

WHITMANI, 2¼ in. \$5.00 per 100; 3½ in. \$25.00 per 100. FERNS, Boston, 2¼ in. \$3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

FERNS

Boston, Scottii, 4 in. 15c.; 6 in. 40c. Some extra heavy Scottii at 50c. each. All pot grown.

Asparagus Plumosus, 2¼ in., \$3.50 per 100. KENTIA Belmoreana, 4 in., \$25.00 per 100. Ferns for Jardinieres, in nice assortment, 2¼ in., \$3.00 per 100.

H. WESTON, Hempstead, N. Y.

Nephrolepis Scottii

In the following sizes, extra good value: 25c., 50c., 75c. and \$1.00. GRAND SPECIMEN PLANTS at \$3.00, \$4.00, \$5.00 and \$6.00.

JOHN SCOTT
Rutland Rd. and E. 45th St., Brooklyn, N. Y.

THE AMERICAN CARNATION

Price \$3.50. Send for Sample Pages

A. T. DE LA MARE PT8. & PUB. CO., Ltd. 2-8 DUANE STREET, NEW YORK

Prices Advertised in these Columns are for

FERNS

MY SPECIALTY

I have an immense stock of assorted ferns for Jardinieres, healthy and bushy, none better; in 15 of the best market varieties, including Cyrtomium Falcatum, Aspidium Taussemense, Pteris Wilmottii and Mayll, in good proportion, from 2¼ in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.

CENTER PLANTS (Exact Size)

Kentia Belmoreana, 2¼ in., \$1.30 per doz., \$10.00 per 100.
Assorted Ferns, 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Cuneatum, fine stock, 2¼ in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.
Adiantum Farleyense, 5 in., \$8.50 per doz., \$55.00 per 100.
Nephrolepis Scottii, 8 in., \$15.00 per doz., worth the double.
Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per dozen.

J. F. ANDERSON, SHORT HILLS, N. J.

FERNS

For Jardinieres, strong healthy plants, 2¼ in. pots, \$5.00 per 100, \$25.00 per 1000, 500 at 1000 rates; 3 in., \$6.00 per 100, 4 in., \$12.00 per 100.

CIBOTIUM SCHEDEL, 6 in., \$1.00 each.
NEPHROLEPIS SCOTTII, 9 in., \$1.50; 7 in., \$1.00 each.

BOSTON FERNS, 9 in., \$1.50; 8 in., \$1.25. 7 in., \$1.00; 6 in., 50c. each, worth double.

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Main St., MADISON, N. J.

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IN BUD FROM

STANLEY & CO., Southgate, England
who always do the thing well.

CATTELEYA MOSSIAE
in sheath to flower this April, May, at \$60.00 per 100. Order immediately.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

Sander, St. Albans, England
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Fine Importation of CATTELEYA Schroederiae, DENDROBIUM Formosum and DENDROBIUM Wardianum just received.

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Imported ORCHIDS Just to Hand

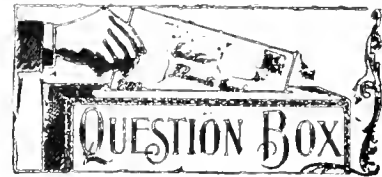
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JULIUS ROEHRS CO.

The Orchid Nurseries, RUTHERFORD, N. J.



1657 Buckingham Place,
CHICAGO, ILL.



(76) **What Constitutes a Bunch of Sweet Peas.**—In advertising twelve bunches of peas for a certain sum, how many stems constitute a bunch?
New York. J. C.

—It is understood in the trade that twelve stems or stalks of sweet peas constitute a bunch, though some growers make their bunches larger.

(77) **Winter-Flowering Sweet Pea Seed.**—Where can I obtain the sweet pea seed for Winter blooming, such as is used by William Sim?
New York. J. C.

—Write Anton C. Zvolanek, Bound Brook, N. J., for seed of sweet peas for Winter forcing.

(78) **Stocks for Winter Bloom.**—When should stocks be planted in order to have Winter blooms in the greenhouse, and what soil do they require?
New York. J. C.

—Sow stocks in August for winter flowering. The best soil obtainable is desirable for stocks, as they are great feeders. Four-fifths loam and one-fifth thoroughly decomposed stable manure will do well for them. When flowering commences a watering once a week with liquid manure is also beneficial.

(79) **A Remedy for Black Snails.**—Kindly let me know what is a good remedy for black snails.
New Jersey. J. S. B.

—The questioner does not mention the kind of plants upon which the snails are feeding, but, taking it for granted that it is ordinary greenhouse stock, we would recommend the following method to get rid of the snails: Toward evening water with lime water, and then immediately dust over the surface of the soil with dry lime; in five or six days afterward dust over the soil with common salt.

(80) **Sun Scald of Geraniums.**—I send you sample of several leaves of geranium plants, and would like to know what makes them turn the way they do and what I can do to remedy same.
New Jersey. R. G.

—The leaves have no disease so far as we can discover. The spots on them have evidently been caused by sun scald, brought about by watering the plants overhead during full sunshine, or, in other words, allowing water to settle

Kentia Forsteriana

Made Up Plants
Fine, Clean All Stock

8 in. pots, 3-4 ft. high...\$2.00 each
10 " 4-5 " ... 4.00 "
10 " 5-6 " ... 6.00 "
12 " 5-7 " ... 8.00 "

HEISS—FLORIST
112 S. Main St., Dayton, O.

DRACAENA INDIVISA

Extra nice plants, 6 in., \$2.50 per dozen.

GERANIUMS

S. A. Nutt, Grant, Perkins, La Favorite, in bud and bloom, 3 in., \$4.00 per 100; 4 in., \$6.00 per 100. Cash with order.

GEORGE H. BENEDICK, YORKVILLE, N. Y.

ROBERT CRAIG & CO. ROSES, PALMS, CROTONS

CARNATIONS and Novelties
in DECORATIVE PLANTS

Market and 49th Sts. PHILADELPHIA, PA.

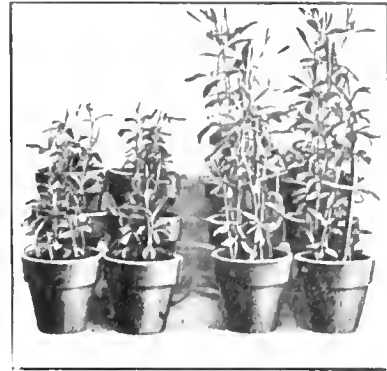
THE TRADE ONLY— When Writing Please Mention THE FLORISTS' EXCHANGE.

PALMS

Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana, Kentia Forsteriana.

Home Grown. Write for Prices.

JOSEPH HEACOCK COMPANY, Wyncote, Pa.



MANY LEADING FLORISTS

have found (and say) that plants may be made to grow rapidly, healthily and luxuriantly by the use of



They say its effects are wonderful. It forces very early blooming, when desired, and at the same time greatly benefits the general condition of the plant.

The illustration shows what this fertilizer did for the plants on the right - at a cost of less than one cent.

PLANT-BLOOD is an invention of chemical science; a combination of the best fertilizing elements in granular form so that their virtue is released to the plant roots only as needed.

You will find PLANT-BLOOD a practical aid in making your business pay. Send direct to us or to your jobber for a trial 12-lb. bag for 75c. (dealer's price).

A little book,

"HOW TO MAKE THINGS GROW"

is now in the press. It tells all about PLANT-BLOOD. We shall be glad to send it free to you on request, together with a

SPECIAL OFFER TO FLORISTS

ELLIS-CHALMERS CO., 100 William St., New York

ASPARAGUS, BOSTONS, AZALEAS

Plumose Nanus, 2 1/2 in., \$3.50 per 100, \$30.00 per 1000; 3 in., 6c.; 3 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. **Comorensis**, 2 in., 2c.; 2 1/2 in., 3c.; 3 1/2 in., 6c. **Sprengeri**, 2 1/2 in., 3c.; 3 1/2 in., 8c.; 4 in., 10c.

Bostons, 2 1/2 in., 4c.; 3 in., 8c.; 6 in., 40c.; 7 in., 65c.; 8 in., \$1.00 to \$1.50; 10 in., \$1.50 to \$2.00.

Azaleas. We are now booking orders for delivery. Our stock is the best in the West.

Phones: Bell, Forest 1453. Kioloeh, Delmar 474 L.

Greenhouses at Clayton, Mo. **J. W. DUNFORD**, Kings Highway and Page Bldg., St. Louis, Mo.

on the leaves at a time when the roots were quite dry. Pick off the affected leaves and keep the foliage dry; the plants will soon be furnished again.

(81) **Diseased Geraniums**.—I send you two diseased geranium plants. Kindly explain the cause, nature and remedy for same. The colored-leaved plants I bought last Fall. They looked healthy then, but now all have gone to the bad. C. H. P.

Pennsylvania.
—F. W. Timme in the issue of The Florists' Exchange for April 25, page 591, gave some interesting notes about disease on geraniums, to which we would refer the inquirer in the present case. The leaves sent for examination had wilted perceptibly in transit, so it was difficult to determine the diseased part of the leaf from that which had begun to show signs of natural decay.

(82) **Plants to Produce Winter Flowers**.—What plants would you recommend to grow for Winter-flowering for cut blooms? I have one house partly full of Bridesmaid and Bride roses. I have one spare bench in this house, one spare bench in my carnation house, also some room in a house I run at 50 degrees night temperature. The carnation house I run at 54 degrees, and the rose house at 60 degrees night temperature. Mass. O. N. E.

—As we do not believe it profitable to grow mixed crops in one house, we would fill the spare bench in the rose house with some other variety of rose—Richmond or Killarney, preferably. We would also fill up the carnation house with other carnations, and for the space vacant in the house where the temperature at night is 50 degrees, we would plant for Winter-flowering either snapdragon or sweet peas.

(83) **Treatment of Nephrolepis Todeaoides and Whitmani**.—Kindly give treatment of Nephrolepis todeaoides and Whitmani ferns. Will they do suspended from the roof, two feet from the glass, in a lean-to house heated by hot water? Also give treatment as to potting soil and the heat required. I am not doing them as well as I wish. Penn. T. M.

—To grow the ferns mentioned we would not advise suspending them from the rafters of a lean-to house. The ventilation in such a house would not be conducive to making perfect specimens. Pot the plants in a good, rich soil; one, though, in which the manure used is thoroughly decomposed; a soil such as is given roses, with sand enough added to make it drain a little quicker. Run a night temperature of 56 degrees; give air at 65 degrees in the daytime, and keep the atmosphere of the house moist, as a rule.

(84) **Temperature for Carnations—Stevia**.—I would like to know the night and day temperature for the following carnations: Enchantress, Rose Pink Enchantress, White Perfection, Winsor, Robert Craig, Afterglow, Beacon and Lady Bountiful. I also have a small house I would like to devote to stevia. Could I plant my stevia out of 2 1/2-inch pots into the house and grow them on with success? How far apart should I plant them? New Jersey. A SUBSCRIBER.

Run the night temperature at 50 or 52 degrees for the carnations, allowing a 10 or 12 degree raise in the daytime, according to the state of the weather.

We would not devote any house entirely to stevia, as the plants can be grown outdoors through the Summer, placed in the house just before frost, and the crop of flowers marketed before January 1, if necessary.

(85) **Ficus pandurata**.—What is the native country of Ficus pandurata? When was the plant first introduced and by whom? Illinois. T. J. C.

—Through the kindness of Robert Craig of Philadelphia, Pa., we are enabled to give the following particulars regarding the introduction of Ficus pandurata to commerce: This plant was sent to the Botanical Gardens of Brussels, Belgium, from the French Congo region of Africa about ten years ago by one of the collectors for that institution. Mr. Sander, the head of the firm of Sander & Sons, St. Albans, England, saw the plant at Brussels, and procuring some stock, introduced it to commerce about the year 1900. The plant did not create any very favorable impression, however, and a year later, when Robert Craig saw it, and realizing that here was a good thing but unappreciated as yet, he purchased the bulk of the stock and brought it to this country. Up to this period the propagation of this ficus had been done from eye cuttings only, and really first-class specimens were unknown. Mr. Craig adopted the method of mossing and rooting strong leads, which naturally resulted in making magnificent specimen plants, furnished from the top clear down to the pot, and thus was this splendid plant introduced to the American trade; and, of course, its success was assured, as there is no decorative plant more noble in its appearance, more tropical in its effect than Ficus pandurata.

The sales of this plant throughout the United States have been enormous. Only last season one large firm of wholesale dealers and growers bought several thousand dollars' worth in one order. Mr. Harrison, an English gentleman, who represents one of the largest, if not the largest, greenhouse establishments in England, was here last Fall and purchased a stock for re-impotation to England, and, having completed his purchase, remarked that Ficus pandurata was one of the good things the European growers had overlooked, and that the plant had never been so well done over there as it has been in Philadelphia.

Speaking about the general character of the plant, Mr. Craig says: "When thoroughly established and root-bound it will stand any amount of hardship, which makes it a most desirable subject for the decorator. Recently shifted or repotted plants will under adverse circumstances sometimes lose some of their leaves, but, of course, all plantmen will easily understand this and will, when repotting this ficus, see that proper conditions for establishing the newly potted plants are provided. Experience has proved that a night temperature of 60 degrees is just right for growing, but when established and kept rather on the dry side, it will stand a temperature of 10 degrees lower without injurious effects."

500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant selfs and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky.

Fall transplanted plants ready to bud and bloom. Prices \$10.00 per 1000. Larger Sizes \$15.00 and \$20 per 1000. EXPRESS ONLY CASH WITH ORDER

I. E. COBURN, - 291 Ferry Street, - EVERETT, MASS.

CARNATIONS READY May 11th

White Perfection Per 100 \$20.00
Pink Imperial " 30.00
Winsor " 40.00
Enchantress and J. Haines " 10.00

GERANIUMS READY May 4th

S. A. Nuff, Poitevine, Ricard, Viaud, Castellane and Perkins at \$10.00 per 1000.

ASPARAGUS Plumosus, ready for 3 inch oov at \$30.00 per 1000
Sprengeri and Smilax, ready June 1st, at 15.00

ALBERT M. HERR, = = = Lancaster, Pa.

ROSES Dracaena Indivisa

Roses from 2 1/2 inch pots, clean healthy stock, \$22.50 per 1000. Cath. Mermet, D. de Hrabant, Ivory, Snowflake \$25.00 per 1000. Actippina, Baby Rambler, Bon Silene, Bridesmaid, Burbank, Cl. C. Souperet, C. Souperet, Conquet de Lyon, Golden Gate, Isabella Sprunt, Mme. Abel Chateaux, Mme. F. Kruger, Marie Guillot, Marie Van Heute, R. M. Bennette, Saffano, Solfatare, The Bride \$27.50 per 1000. Antoinette Rivard, Bessie Brown, C. Meteer, Etolle de Lyon, Grass an Tepitz, Helen Gould, Hermosa, La France, Mme. de Watville, Mme. Welche, Maman Cochet, M. Noll Mrs. B. R. Cant, Mrs. Herzgraw, Papa Gontier, Souv. de P. Notting, Striped La France, White Bougere, White Cochet, Yellow Cochet, Meteor \$30.00 per 1000. Gainesboro, Kaiserin, Mrs. Robt. Garrett, Rosalind Orr English, Pros. Carnot, Wellesley \$10.00 per 1000. Anzello Peluffo, Cherry Ripe, Helen Guillot, Mme. Leon Pain, Mme. Jenny Guillomet, Joseph Hill, R. M. d'Italia The above in any amounts at 1000 rate \$5.00 per 100, Helen Gould, \$10.00 per 100, W. R. Smith

2 in., \$2.00 per 100, 4 in., \$6.00 per 100
LATANIAS, fine strong plants, 2 in., \$3.00; 3 in., \$6.00; 4 in., \$15.00 per 100
KENTIA Belmoreana and Forsteriana, 4 in., 25c., 35c.; 5 in., 50c., 75c.; 6 in., \$1.00, \$1.25, \$1.50; large plants, \$2.00, to \$35.00 each
PHOENIX, \$2.50 to \$4.00 each
PANDANUS UTILIS, 2 1/2 in., \$3.50 per 100

FERNS
Boston and Persooni, 4 in., 15c.; 6 in., 25c.; 6 in., 50c.; 7 in., 75c.; 8 in., \$1.00; 9 in., \$1.50
Whitmani, 2 1/2 in., strong, \$5.00; 4 in., \$20.00 per 100; 6 in., 50c.; 6 in., 75c.; 7 in., \$1.25, \$1.50, \$2.00; 8 in., \$2.50, \$3.00, \$3.50
Fine, small ferns for dishes, \$3.00 per 100; \$25.00 per 1000.

JOHN BADER Mount Troy, ALLEGHENY, PA.

MAMMOTH VERBENAS

Large plants, from soil, 60c. per 100, by mail; \$4.00 per 1000, by express; 2 in. pots, strong plants, coming in bud, \$1.50 per 100; \$12.00 per 1000
PANSIES, Giant Trimardeau, finest mixed, transplanted plants, 50c. per 100; \$3.00 per 1000
PANSIES, extra large plants, in bud and bloom, \$1.00 per 100; \$8.00 per 1000
SALVIA Splendens, from soil, 75c. per 100
GERANIUMS, in bud and bloom, 4 in., Nuff, Double Grant, Poitevine, Viaud, Jaulin et al. White, \$1.00 per 1000
HILL TOP GREENHOUSES, 111 E. 4th St., PITTSBURGH, PA.

IVY English 2 to 4 ft., 1 to 3 branches, from 2 1/2 inch pots.

\$10.00 to \$15.00 per 100
THOMAS STOCK, 251 Minor St., DORCHESTER, MASS.

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Weekly Medium of Interchange for Florists, Nurserymen
Seedsman and the Trade in General

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discount of 10c., 15c., 25c., or 35c., per inch on contin-
uous advertising. For rates on Wants, etc., see column
for Classified Advertisements.

THE NATIONAL FLOWER SHOW, under the auspices
of the S. A. F. O. H., will be held at Chicago, Novem-
ber 6 to 15, 1908. William F. Kasting, Buffalo, N. Y.,
is chairman of the show committee.

Sulzer's Tribute to Wm. R. Smith.

Hon. William Sulzer of New York, in a speech deliv-
ered in the House of Representatives on March 25,
1908, in which the honorable gentleman protested against
the removal of the famous historic trees in the Botanic
Garden at Washington, D. C., to provide a site for a
statue to General Grant, paid the following tribute to the
worth and work of William R. Smith, superintendent
of the garden, which, we feel sure, will be read with
interest and appreciation by the many friends of the
"Father of the S. A. F. O. H. charter" throughout
the country:

"I am a friend of William R. Smith, the Director of
the Botanic Garden, a truly great man, a man who has
done a great work for all the people, a world-wide work
for this country; a man who has done more in two gen-
erations than any other man in all this land to foster
and incite the love of the beautiful, the love of art,
the love of trees and shrubs and plants and flowers; a
man who has studied the soil, who has made its soil
wastes blossom like a rose, who has cultivated and
propagated in the Botanic Garden all kinds of plant life
and distributed them to all parts of the country, to grow
and blossom and thrive; a man who has made two blades
of grass grow where one grew before; a great botanist,
a great scientist, a great worker, a thinker, a philoso-
pher, a great horticulturist, a great landscape gardener,
a lover of the beautiful in nature, a man who long ago,
before Fairbank or any other man in this country, experi-
mented with the possibilities of our soil in different parts
of the country in order to find out to what it was best
adapted and what it would best produce, and, finding it
out, worked wonders in every section of this country.
I am a friend of this great Scotchman, and I say and
I think we should give heed to his words, and to this
description of the Botanic Garden that he loves so much,
that has been in his charge for so many years and
through the agency of which he has done so much to
beautify the city and render such a valuable service to
every part of the country. We should listen to his pro-
phet and save the trees. They can never be transplanted.
They can never grow again. Cut them down now and
they are gone forever, with all their wealth of beau-
tiful and precious memory."

"William R. Smith loves the grand old trees. Let
us save them. Let us give heed to his protest and stop
the destruction of the Botanic Garden, which it is too late
to take any remedial action to prevent the destruction
of its trees and finding a more suitable place, and a more
appropriate site for the Grant Memorial."

BOOKS RECEIVED.

WINDOW GARDENING. By Herman F. Dornier. Pub-
lishers, The Bobbs-Merrill Company, Indianapolis,
Ind.

The author of this very serviceable little volume
is a son of the well-known florist, Fred Dornier,
Lafayette, Ind., and is well qualified to write on the
subject with which the book before us deals. He
says in his preface: "It has been the aim of the
writer to give such cultural directions as will enable
the inexperienced to overcome most of the difficul-
ties which arise in the growing of plants in the
window garden. An extended experience in the
handling of house plants has led to a recognition of
the causes underlying these difficulties, and an ef-
fort has been made to suggest methods of treatment
which will enable the grower to care for his plants
intelligently and insure a fair measure of success."
That the author has carried out his aim faithfully
and well the subject matter presented fully demon-
strates. The instructions provided are simple,
 terse, practical and to the point—just such as the
window gardener will welcome, and profit by a
perusal of them. There are chapters devoted to the
selection of plants, containers or receptacles in
which to grow them, potting, soils, watering, fer-
tilizers, light, heat and ventilation, insect enemies,
propagation by seed and by cuttings, bulbs, foliage
and flowering plants, etc. The retail store man will
find the book very useful to himself, and one that
he can safely recommend to his customers. The
volume is neatly gotten up and is profusely illus-
trated.

YARD AND GARDEN. By Tarkington Baker. Publish-
ers, The Bobbs-Merrill Company, Indianapolis, Ind.

In recent years the taste for outdoor gardening in
the United States has developed to a gratifying extent,
and it is only natural that there should appear from
time to time, looking toward its further encouragement,
books and other treatises dealing with the subject. The
volume before us is one of these. It is a "book of prac-
tical information for the amateur gardener in city, town,
or suburb"; and it is one of the best that it has been
our pleasure to peruse. Not that Mr. Baker has pre-
sented anything new, but he has given us something that
is just a little better than any others of its class. This
arises from his interesting treatment of the subjects
dealt with, the very practical nature of the instruction
he imparts, and the comprehensive and thorough manner
in which he goes into the details of the work necessary
to success in the undertakings upon which he writes.
Among the matters discussed in the volume are: The
yard, planning the garden, how to plan, lawns, vines,
annuals, hardy perennials, some popular perennials,
bulbs and tuberous rooted plants, some popular hardy
bulbs, irises and tender bulbs, shrubs, trees, soil and
fertilizers, insects and diseases. There is a so a chapter
on the indoor winter window garden, and one on "spe-
cialties," such as roses, hardy ferns, peonies, plox. In
an appendix is furnished a list intended to suggest what
hardy bulbs to plant in order to insure a succession of
flowers of this class outdoors practically all the year
round, giving the popular and botanical names, height,
color, and brief cultural directions; also lists of the best
annuals for all purposes. The book is well printed, and
is embellished with numerous illustrations, several sug-
gestive designs for city yards, together with planting
schemes, adding to its usefulness.

S. A. F. O. H. Plant Registration.

It is a pleasure to note the improvement evidenced by
the plan adopted by the present Secretary of the S. A. F.
O. H., Willis N. Rudd, in the matter of registration by
the national society. Mr. Rudd makes it specifically
known that the registration entry is merely provisional,
and calls for objections to the names and descriptions
published within a certain time, if no objections are
forthcoming, the registration becomes definite.

This is a step in the right direction. It might be
made more effective, we think, were the proposed names
and descriptions first submitted to the society's nomen-
clature committee, together with specimens when ob-
tainable, to be passed upon by that committee before
publication, provisional or otherwise, is made; for it has
been our experience that the reading public seldom or
never take the necessary heed of articles of the kind re-
ferred to appearing in print, to the extent of challeng-
ing them when such calling in question is imperative,
thus, too, within a given period, or before it is too late
to be of the service desired by the secretary.

To place the matter previous to publication before
the nomenclature committee of the S. A. F. O. H., would
be an evidence that the national body had done its part
in the premises, and supplemental information, if any,
secured from the reading public would either be an en-
dorsement or a correction of that endeavor. The society
should not, we think, rely altogether on the trade in the
matter of keeping its registration records straight;
rather should this duty rest mainly with its nomen-
clature committee, whose decisions should be placed before
the public for corroboration or emendation.

The American Rose Society.

It is said that the Chicago show held in March brought
out the largest single assortment of cut rose specimens
ever exhibited in America. The only pity was that so
beautiful a display had not a larger public patronage.

The settling of all the prizes is now a matter of in-
terest. The total number of prizes awarded is 64, of
which 51 are in cash and 10 are cups, medals, books and
bons.

The trade papers did much for the show by publish-
ing excellent illustrations which gave an idea to those
who could not come of what there was at the Art In-
stitute.

The American Rose Society has sent letters of thanks
to the Chicago Florists' Club and the president of the
Art Museum for the cordial and courteous attention
given to the society.

Five new life members joined the society, which brings
the permanent fund invested up to \$3,000. What the
society now needs is that every flower grower and land-
scape gardener in America shall join us. We need the
help. The membership slightly exceeds that of 1907.
The "Rose Journal" is to be started, but we want more
support to be pledged to make it a success. Come and
give assistance, you men and women who grow roses.

There is to be a June rose show in the Bronx Park
Botanical Garden, New York, and all growers of roses
who can are invited to exhibit. Medals will be awarded.

The certificates of life membership will shortly be for-
warded to all new members.

"A Rose for every Home; a Bush for every Garden."
BENJAMIN HAMMOND,
Fishkill-on-Hudson, N. Y. Secretary.

Society of American Florists and Ornamental Horticulturists.

Notice of Registration of Canna.

The Frank Cummings Bulb & Plant Company, of
Morridian, Miss., apply for registration of a canna as
follows:

CANNA, W. E. GORRELL, seedling of L. Patry, origi-
nated with us. Flower large dark salmon pink slightly
flecked with red, petals large, rounding, slightly recurved;
large branching flower heads, very broad leaves, slightly
edged with bronze, thick and leathery; growth very
vigorous; height 4 feet.

Public notice is hereby given of this application for
registration and any persons objecting to the same or
knowing of any reasons why the registration should not
be made as above, are requested to forward a statement
of their objections to the undersigned at once.

No objection being received within twenty days from
this date, the registry will be completed.

April 27, 1908.

Notice of Withdrawal of Registry.

Learning that the name Mayouneen had previously
been applied to a rose, Alexander Montgomery of Natick,
Mass., withdraws the name Mayouneen and desires that
the name White Killarney shall stand as previously
registered.

Registration of Sweet Peas.

The names of the following winter-flowering sweet
peas are submitted for registration by Ant. C. Zvolanek,
Round Brook, New Jersey.

Any persons objecting to these registrations, or know-
ing of any reasons why they should not be made, are
requested to communicate with the undersigned at once.
Failing to receive any such communications within
twenty days from this date, the registrations will be
completed.

GREENBROOK, seedling from Mrs. Geo. Lewis × un-
named seedling, height over 6 feet, flower white, stand-
ard and slightly blue, very large orchid-flowering, up to four
flowers to a stem; stems average 18 inches.

BLUE BIRD, seedling from Walter Wright × Wallace;
height over 6 feet; flowers blue, bearing up to four flow-
ers on 20-inch stems, standard wavy.

GOVERNOR JOHN FRANKLIN FORD, seedling of Mrs.
Wm. Sim × Spencer seedling; height over 6 feet, foli-
age narrow, flower pink, when fully open changing to
salmon pink, standard wavy, producing up to four flow-
ers on 20-inch stems.

W. N. RUDN,
May 1, 1908. Secretary.

Our Philadelphia Correspondent.

Edwin Lonsdale has accepted the office of correspon-
dent for the "Florists' Exchange" in this locality. P. M.
Read will look after the business end.

The foregoing item appears under the heading of
"Philadelphia Notes," in a New England contemporary.
We are obliged for the courtesy, but the information
given is hardly correct. Mr. Lonsdale has *not* accepted
the office of Philadelphia correspondent for The Florists'
Exchange, but has very kindly consented to contribute
special articles to our columns, on the lines now appear-
ing therein, and otherwise. Mr. Read, whose address is
905 Lippincott Building, Philadelphia, will look after
the local news and advertising business in our behalf.

OUR READERS' VIEWS

Proposed Co-Operative Flower Growers' Association.

A meeting of the proposed Co-Operative Flower Growers' Association was held in the Fruit Auction Company's Building, corner of Franklin and Washington streets, New York City, on April 25, which was well attended by rose, violet, carnation and other growers, representing over one million feet of glass devoted to cut flower growing, all shippers to the New York market.

This association is being formed with the object in view of operating a salesroom in New York City, similar to those conducted by commission men, but on a much larger scale; to employ a competent manager, salesman, bookkeeper, and other necessary help, under the direction of a board of directors elected by its members. The details of incorporation have not been settled, nor the amount of capitalization decided upon; but these matters are in the hands of a committee who will report at the next meeting.

A committee of three, consisting of C. E. Bertanzel, Roslyn, L. I., John Weston, Valley Stream, L. I., and Ernest Lawyer, have been appointed to secure a manager to take charge of the selling of the cut flowers grown by the association's members. C. E. Bertanzel is secretary of the committee to whom application should be made.

It is not the mission of the association to try to fix any arbitrary price on its goods, but by concentration and organized effort to reduce the cost of selling; and in all probability add a supply department, whereby it can reduce the cost of producing. Composed as this company will be of regular shippers and having a salesroom second to none in the city, with efficient management and fair dealing, it will endeavor to prove to the buyer that it will be to his advantage to deal direct with the producer.

Concerns similar to this are successfully operated in other lines of business, perishable goods included; and it is claimed that the ability of many of limited capital to combine under efficient management and without incurring liability beyond the amount of their stock subscription has been one of the chief sources of the tremendous industrial growth of this country. No stronger argument is needed to demonstrate the superior money getting capabilities of the corporate form of business than the fact that it is universally used by successful business men; and the cut flower growers seem to be waking up and falling in line with the march of progress.

The next meeting of this association will be held in the same place on Saturday, May 9, at 2 p. m., when all cut flower growers for the New York market are invited to attend; no others will be admitted.

ONE WHO WAS AT THE MEETING.

A Blue-Flowered Calycanthus?

Editor Florists' Exchange.

In the Florists' Review, Chicago, of April 15, under the heading of Nursery Notes, we are told "Calycanthus floridus is a species forming a small, compact bush four to six feet high, with deep blue flowers which appear early in the Spring and last well into the Summer."

No doubt many, like ourselves, wish this was true, as a blue-flowered calycanthus would become perhaps the most popular shrub ever known, especially if the flowers appeared early in Spring and lasted well into the Summer.

Calycanthus floridus has brownish purple flowers; so have all the calycanthuses, except the one from the Pacific Coast, C. occidentalis, which produces brick red flowers.

Just what the Review may mean is hard to say, as we cannot think of any shrub with deep blue flowers which appear early in the Spring and last well into the Summer. Indeed, a shrub with deep blue flowers is almost unknown in collections. Calycopsis maritimus has blue flowers, which appear in September or October.

NURSERYMEN.

Tin Cans as Drainage.

Editor Florists' Exchange:

I bought five plants of Lupinus Moenchii for a lady's veranda box at Easter. The plants were in 7 inch pots which I plunged, but could not get them low enough without emptying the box. At the bottom of the box there were 33 tin cans, the box being about 3 feet 4 inches in length and 10 inches wide. Fancy 33 tin cans in so small a box, for drainage! Surely he must have been a "tin can" florist that put them there.

G. M. N.

Self-Boiled Lime-Sulphur Mixture as a Promising Insecticide.

This subject is dealt with in the "Farmer's Bulletin" of the Bureau of Plant Industry, United States Department of Agriculture, by W. M. Stern, pathologist in charge of orchard spraying demonstration investigations and diseases of fruits. The bulletin says, among other things:

At intervals during the past several years the writer has made experiments with sulphur and various sulphur compounds with the object of finding a remedy that could be used during the growing period on fruit trees, especially the peach, without injury to the foliage or fruit. The first work was done in 1901, at the suggestion of M. B. Waite, and consisted of experiments with various sulphides, all of which proved injurious to peach foliage. During the season of 1907 self-boiled lime sulphur mixtures in various proportions and strengths were tested on both the apple and the peach.

Preparation of the Mixture.

The mixture that gave the most promising results was composed of 10 pounds of sulphur (flowers of sulfur) and 45 pounds of fresh stone lime to 50 gallons of water, and may be prepared as follows:

Place the lime in a 50 gallon barrel and pour a 2 or 3 gallon bucket of boiling water over it. Immediately add the sulphur and another bucket of hot water. The heat from the slaking lime will boil the mixture violently for several minutes. Some stirring is necessary to prevent burning, and more water should be added if the mass gets too thick to stir, but the cooking is more effective when the minimum quantity of water is used, usually from 4 to 8 gallons being required. A piece of old carpet or gunnysack thrown over the top of the barrel helps to keep in the heat. The boiling will continue from twenty to thirty minutes, depending upon the quality of the lime. When the boiling ceases, dilute with cold water to make 50 gallons, stir thoroughly and strain through a sieve of about 20 meshes to the inch in order to take out coarse particles of lime, but all the sulphur should be carefully worked through.

In a similar manner, enough for 150 gallons may be prepared in a barrel by using 30 pounds of sulphur and 45 pounds of quicklime, with about 20 gallons of boiling water. When the boiling ceases, the barrel should be filled with cold water and diluted with 100 gallons more when transferred to the spray tank.

In some of the experiments a wash consisting of 5 pounds of sulphur and 10 pounds of lime to 50 gallons of water gave excellent results. This would indicate that a much more dilute mixture than the 10-15-50 formula may prove to be a satisfactory fungicide. The wash was also prepared with cold water instead of boiling water, and in some cases a portion of the lime was at first withheld and later added, a small lump at a time, in order to prolong the boiling; but the experiments have not yet been sufficient to determine definitely the correct formula and the best method of preparation.

Should the boiling be very prolonged the mixture might become caustic enough to burn foliage, although no such injury developed in the experiments. It should be found in practice that the use of hot water dissolves too much sulphur, so that the foliage is injured. Cold water may be substituted and a less intense heat thus developed, or the sulphur can be withheld until the lime has partly slaked, thus regulating the amount of sulphur dissolved.

By this boiling process the sulphur is put in good mechanical condition for spraying and enough of it is dissolved to make the mixture adhesive. As a large percentage of the sulphur is simply held in mechanical mixture with the lime water, it is necessary that the spraying outfit be provided with a good agitator, so that the mixture may be kept constantly stirred, and settling be thus avoided. In the treatment of apple trees, Paris green may be added for the control of the codling moth in the same manner as when Bordeaux mixture is used.

A Combined Fungicide and Insecticide.

Self-boiled lime-sulphur washes used in the dormant spraying of fruit trees are known to have some effect against the San Jose scale, and in order to avoid the expense of a cooking plant a few growers have employed this method of preparing the wash. Entomologists have wisely discouraged the use of self-boiled washes because of their inherent, but the boiled preparations, but when used as a fungicide in the growing season a self-boiled lime-sulphur wash might be expected to aid considerably in the control of the San Jose scale and other scale insects by the destruction of the crawling lice, and would thus perhaps prevent the infestation of the fruit, a condition especially likely to occur with apples and peaches. This would give it a decided advantage over Bordeaux mixture and make it especially useful as a combined fungicide and insecticide in the treatment of large apple trees on which the scale is so difficult to control. Summer applications for the prevention of fungous diseases would thus supplement the dormant treatment of the San Jose scale without extra cost.

Sulphur is also a well-known remedy for various mites, and the self-boiled wash would probably be of considerable value in the control of the red spider.

The truth of the old saw, "It's an ill wind that blows nobody any good" is being experienced this year in the neighborhood of Pottsville, Pa. According to the daily newspapers, the country is in a bad way, owing to the depressed condition of business prevailing throughout the country, have stopped farming and garden pursuits. As a consequence, there has been quite an augmented employment of garden purposes in that vicinity, and the fact that most of the things usual, owing to the present trade conditions, available for farmers, augurs well for the coming year's products of the field.

A Practical Use for Postal Savings Bank Deposits.

Mr. J. C. Talisman, of the Philadelphia Record, writes: "The Philadelphia Record has published a series of articles on the subject of the Postal Savings Bank, and the investment of the deposits made therein. It is a grand idea of home-ownership on the land and sea, and the tide of population from the congested cities to the country towns and villages and rural settlements. The idea that must be fought for at the present time is that every man out of work in this country today would find employment, and the restoration of prosperity be permanently assured, if a postal savings bank were established by Congress in this session, provided the deposits therein were directly invested by the Government in forest plantations and the re-planting of arid land, and swampy and overflowed lands. These lands should be reclaimed just as fast as closely settled rural communities of very small farms can be established on them. Training in intensive farming and gardening must go hand in hand with rural settlement. The people must be taught both handicraft and homecraft."

The Talisman says further that already the country towns are feeling the evil effects of the diversion of their natural trade to the big cities through the mail order channels and now the proposition to establish a parcels post threatens to divert an enormous additional volume of trade from rural trade centers to a few big cities by making Uncle Sam the delivery agent of the mail order houses. Instead of this regarding the growth of country towns, the national Government should encourage it. One way to do so is to create forest plantations near every small city and country town. In connection with such forest plantations, national educational institutions should be established for training in handicraft, especially woodworking and gardening, as well as tree culture. The interest on postal savings bank deposits should be two per cent. per annum. The investments in forest plantations and land reclamation would return four per cent. The surplus would provide a fund to maintain these forest and garden schools. "To bring all this to pass," says the Talisman, "it is only necessary for Congress to pass the Postal Savings Bank bill after amending it so as to authorize the investment of the deposits as above advocated. It is a grand object to work for." The Talisman is hopeful that this can be brought about, and urges that all concerned should go to work to convert the Senators and Congressmen and get all of their friends and neighbors to help push the whole propaganda for rural settlement and the upbuilding of the country towns and villages.

As showing its faith in the proposition, the periodical in question publishes in its April, 1908, issue a suggestive article on the subject of "Training in Handicraft and Homecraft," by Philip Emerson, principal of the Cobbet School, Lynn, Mass., wherein that gentleman outlines in a very interesting way the factors that have made for the success of garden training in the school over which he presides.

THE CANADIAN HORTICULTURAL ASSOCIATION has accepted the invitation extended by the Buffalo Florists' Club to all delegates attending the C. H. A. convention at Niagara Falls next August to take part along with the S. A. F. O. H. delegates, in the trip to Buffalo, in the sports and entertainments which will be given at that time.

COLORFUL SUPPERS. Colored theater suppers are the latest amusement in London society, says the Gardening World. Since harmless vegetable colorings have been discovered the chef is able to serve a "daffodil," "rose," or "lilac" supper in shades to imitate the flowers. Tablecloths and serviettes are made in various colors to match. The "daffodil" supper, for instance, is carried out in shades of yellow. The table is spread with a yellow cloth and decorated with daffodils.



Jacob Rhule.

Jacob Rhule, aged 69, was a German, and for many years a subscriber to the North Star, died, April 17, at the home of his son-in-law, C. A. Keck, 110 Fourth Street, Asper, Pa. Mr. Rhule conducted a flower and market garden in the North Star for many years and every December he sent roses and flowers to the Grand Army posts, to be used in decorating the graves of the dead soldiers. He was married during the entire year in a Pennsylvania cemetery. He was a member of Pas. 41, G. A. R. and Exalted Order, No. 26, V. O. F. W. He leaves two daughters, three sons and a number of grand children.

Sweet Peas Under Glass.

BY WILLIAM SIM.

Continued from Page 58.)

Sweet Pea Society.

What we need here now is an American Sweet Pea Society, for at the present time there is nothing to prevent any one from selling sweet peas under any name he pleases. We have Earliest of All, Christmas Pink and Xmas Pink. These three varieties are the same in every particular. The selected Earliest of All is earlier than the others, but the flowers of all three are identical. There are Mont Blanc and Florence Denzer; these two are identical. There are also Zvolanek's Watchung, Burpee's Earliest White and White Bird; these are all identical. We have Flamingo and Christmas Red; these are identical, and Sunbeams and Canary Bird are identical. Aside from keeping the names straight a society would stimulate the growing of sweet peas, and no doubt many would go into improving them in the way the carnation men have done with the carnation. If a number of those interested would get together with this end in view it would be hard to predict what the sweet pea would be ten years from now. Just fancy what an exhibition you could have if a number of growers got together and did as the carnation men have done! The sweet pea is everybody's flower, being within the reach of all. Thus far Mr. Zvolanek seems to be about the only one to improve this class. Only a few years ago the first of this type were seen; now he has practically all the colors seen in the late varieties. I think great credit is due him for what he has accomplished. Putting aside Christmas Pink, Mont Blanc and Sunbeams, he has raised practically all the other varieties in cultivation now. He is doing for this type of peas what Henry Eckford did for the late flowering section.

Cultivation.

To grow the sweet pea to perfection under glass you must have a greenhouse suitable for the purpose. It should be at least eight feet high on the sides, four and a half feet being glass. My houses are seven feet, and I find the side rows strike the glass when the vines are about half grown, thereby giving me half a crop. My center rows are about right; they are twelve to fifteen feet high. The higher the vines grow the more and better flowers you get. We plant the rows five feet apart and in a line with the supports of the greenhouse. The uprights are twelve feet apart, so in supporting we run twine from one support to the other on each side of the row. This I have found the best method of supporting. I have tried wire netting; it is only a nuisance, as the vines do not cling to the wire, which causes just as much tying as if it were not there. It also causes injury many times to the vines, as a sweet pea stretches many times more than a foot in developing; if held back by anything in growing the growth looks like a spiral spring, and the picking of the blooms is made very difficult. The side rows are planted five feet from the sides of the house; and all the heating pipes are on the sides. The vines are very susceptible to red spider, and as they will not stand syringing, the further you can afford economically to have them from the pipes the better.

We have not changed the soil in the houses since they were built four and five years ago, and we find the vines are getting more vigorous each year. In the same soil a crop of tomatoes and of violets is harvested each year. The soil was originally eighteen inches deep, but by the application of manure each year the depth is now two and a half feet. The tomato crop is on the wane the middle of August. When these are cleaned out we trench the house over as deep as the soil, bringing the bottom soil to the surface. In the bottom of the trench we put three inches of decomposed cow manure; one foot from the surface we put on three inches more of the same material. The house is allowed to remain in this state until nearly time for sowing the seed. The soil is then usually very dry, so we dampen it down enough to cling together while the house gets another forking over. This time we go down one foot and mix the top layer of manure with the surface soil. We then make the surface as nearly level as possible and thoroughly water the soil, giving enough to penetrate the entire mass with a strong dose of liquid horse manure. In about three days, depending on the weather, the house will be ready to plant. We sow the seeds about one and a half inches apart. We make the drills one inch deep and do not



Jubaea Spectabilis at Los Angeles, Cal.

allow more than one inch of soil over them. We do not pull any more soil toward the roots as is often recommended, but let it remain level. If more soil is pulled around the base of the plant stem rot is sure to follow. We do not water the plants again until they are up about three inches.

Of course, you can grow them on a bench with a few inches of soil, but the results will be just what you make them—a weak growth and a crop of short-stemmed flowers. These soon play out, as there is not enough soil or food for the vines to live on.

They may be made to flower any time you wish by increasing the temperature, but the best results are obtained by growing at a temperature just above freezing until the buds can be felt in the crowns of the plants. Then the temperature should be gradually increased, say one degree a night, until you reach 48 degrees. This, I think, is about right, although in Midwinter I think they move a little better at 50. As the days lengthen a little cooler temperature seems to suit better. A rise of 10 to 15 degrees should be given during the day in sunny weather. In spells of cloudy weather 55 degrees



A Cinnamon Tree at Los Angeles, Cal.

is high enough during the day. If a high temperature is given in dark weather the growth gets soft and wilts when the sun comes out bright again. While the plants are young they should be regularly fumigated so that there will not be a sign of lice when the plants com-

mence to flower. If they are clean at this stage it will not be necessary to fumigate while they are in bloom. It is impossible to sell sweet peas that smell of tobacco. Tobacco also bleaches the flowers of some varieties, and makes them look like some other variety.

We sometimes hear of someone having trouble with the buds dropping. This is more the case in Midwinter than at any other time, and is caused by a too cool temperature or a sudden chill, or too much water. Should a house be allowed to go near the freezing point in Midwinter the wholesale dropping of buds will be sure to follow.

Diseases have not shown themselves with us. Sometimes we see a plant that looks stunted, with yellow streaks in the foliage; this we have attributed to too rich soil or the roots striking manure that was not thoroughly decomposed. They take an abundance of water in the flowering season, but require very little in the early stages of their growth. They should be provided with proper drainage so that if too much water is given it will settle into the subsoil, and no bad results will follow.

Time of Flowering.

I find in experimenting with the newer varieties of sweet peas that some come into bloom ahead of the others. Take re-selected Earliest of All and Watchung, for instance. These two will come into flower fully two weeks ahead of the other varieties, and for early purposes they are a fine pair to grow together. They are both black seeded. These will flower in October if sown in August and will be in full crop for Thanksgiving. For a later crop I prefer Christmas Pink and Florence Denzer. These are the peers among sweet peas at the present time. The Denzer is two weeks later than Christmas Pink and is white seeded. It should be sown in sand and transplanted into flowering quarters at the time you sow the seed of Christmas Pink. They will then commence to flower together.

There is now quite a demand for some of the fancy varieties. These sell best in the Spring, but will soon get into demand all Winter. They are something new and the people are a little sceptical about buying them. They will, however, find a ready sale once there is enough of them around to attract attention. Among the new varieties I think Mrs. Charles H. Totty the best. It is the same shade as the Countess of Radnor, and is a very strong grower, having a two-foot stem. W. W. Smalley comes next. This is a shade of satin pink. It is a fine seller, but a trifle short in stem. Mrs. Alexander Wallace is a good one; the color is dark lavender and sells well. Mrs. William Sim sells well; the color is salmon pink. It produces very long stems, many being two feet in length. The improved Mrs. F. Dolansky I have great hopes in; it is the color of an Enchantress carnation. A limited quantity of Le Marquis and Christmas Captain can be sold; both are purple shades. The same may be said of Blue Bird, Mrs. Eddy Wild, deep crimson, but the flowers are small in size and the stems rather short. The latter is a strong grower.

Some Fine California Plants.

The illustrations shown herewith represent the Jubaea spectabilis referred to in issue of November 2, 1907; also one of a cinnamon tree, Cinnamomum zeylanicum, and one of a sturdy Phoenix canariensis, the base of which is surrounded and body covered with Nephrolepis exaltata. The sub-tropical flower bed is the place where the Japan lilies—speciosum rubrum, album and auratum—were grown successfully for the first time in the open in Southern California last season.

All these specimens have been growing in a blue grass lawn which requires lots of water during the Summer months from the hydrant, and during our rainy season gets from 15 to 18 inches rainfall. The subsoil in the part of the town where they grow is composed of sand, gravel and boulders, affording perfect drainage at all seasons of the year. Fertilizers in the form of cow manure and of the commercial sort are applied to the lawn to keep it in a luxuriant condition, which is all the attention these fine trees receive. The vine shown in the picture of the flower bed and of the house is a fine specimen of Bignonia buccinatoria also known as B. Cherere. It is an evergreen, and bears almost continuously, but not in great profusion at any one time, the largest and most brilliant flowers of any member of this family that has yet come under my observation. P. D. B.

AMONG THE GROWERS

Griffin Brothers, Frankford, Pa.

Having heard that Griffin Brothers, Frankford, Pa., had received a consignment of cattleyas, I thought now would be a good time to pay my old friend James a visit. James is the only surviving partner of the firm of Griffin Brothers, which was composed of James, Charles and William. In the early days this firm of energetic and ambitious young men grew bedding plants in quantity and moved them off quickly, but owing to their location being in the built-up portion of Frankford a profitable retail trade has developed, until now most of their product is disposed of at home, at good prices, and that is how the conditions of business arose, making it seem necessary to secure a home supply of orchids, the foundation of which was laid when a number of *Cypripedium insigne* was secured some time ago. The cattleyas which had been received recently were in all-right condition.

Mr. Griffin is fortunate in having a son who takes a great interest in his chosen profession, especially in the growing of carnations; and now orchids are claiming his attention. It is largely through the enthusiasm of the young son, Bruce, that the head of the firm has decided to acquire a collection of orchids. Those only that are the most popular among flower buyers in the retail trade will be secured.

Our London Letter.

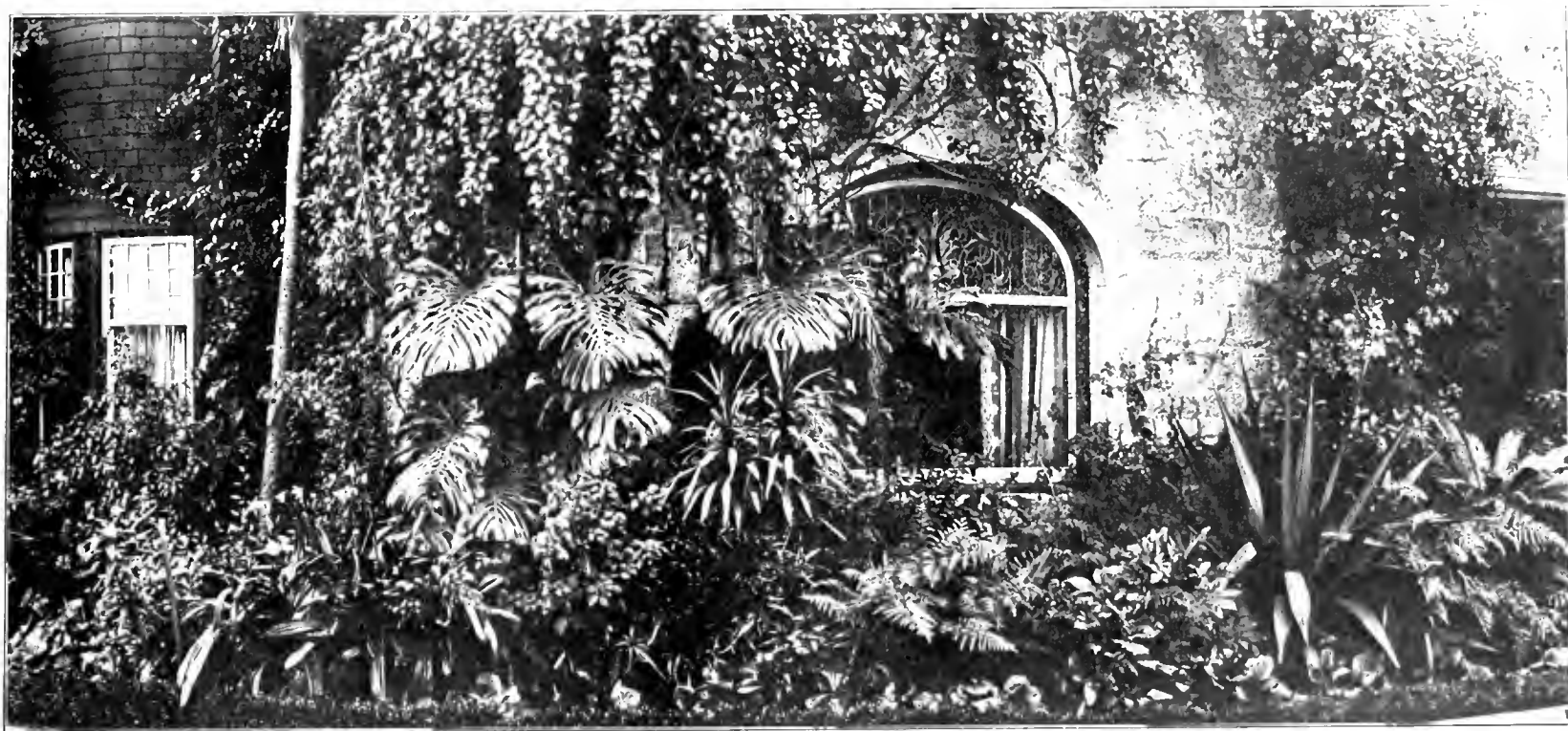
BY A. HEMSLEY

THE ROYAL HORTICULTURAL SOCIETY. Among the most interesting plants which came before the floral committee at the last meeting was *Viburnum Carlesii*, from Northern China. The flowers were pure white, sweet-scented; and the foliage similar to that of *V. plicatum*. It gained an award of merit, and came from the gardens of Sir T. Lawrence. Daffodils are now a great feature at the meetings. Of all the newer varieties King Alfred will be the most useful for market work. Messrs. Carter & Company staged about 300 grand blooms. Arranged in a bed of green moss with good foliage they were most effective. Duke of Bedford, a large bicolor of the Ajax section, is another grand variety. The varieties of the Barrii section show great improvement, especially in the rich coloring of the cups, some being of quite a bright orange scarlet.

RAMBLER ROSES.—These are much in demand again this season and we are getting some fine specimens from several growers. Tall pyramids of Lady Gay from Messrs. P. Rochford & Sons, are beautifully flowered; some of the best make 30 shillings each. Cant's Blush, a single pale pink, flowers well early. I noted some grown with four plants in each pot, trained as pyramids, that were a mass of bloom. Tall standards of Dorothy Perkins, with long, drooping branches of large clusters of blooms, came from Messrs. H. Low & Company, who also exhibited standards of Madame Norbert Levayss.

floral committee. Some of the most interesting and the large variety of pointed blooms was introduced and the growth showed great vigor. I should mention that we do not see more of the variety later on. Melody was also well shown but appeared to be too much like Enchantress. Imperial was another which was well shown, but here none of the striped or variegated varieties find much favor with market growers. I have been looking for a good yellow, but have not yet been able to find one with the same habit as the American sorts which I could recommend. We seem to have quite lost Andalusia, which should have proved a good parent. The Malmaisons have been making good prices, but I find several growers are giving up the cultivation of them, as they do not bloom freely enough to be profitable. Best flowers have sold for 24 shillings a dozen, but it is only the extra fine blooms that are wanted. They have been more profitable to grow for selling as young plants, but I find some growers are offering them this season at about the same prices as ordinary border sorts. It is difficult to suggest what may prove profitable now, for since the American sorts have been extensively grown prices of the best blooms have come down considerably and second quality are of little value.

PRIMROSES. Messrs. R. H. Bath, Wisbech, now have a very fine strain of the blue variety. There may be a slight tinge of purple in it, but they are the nearest to a true blue that I have seen. Other varieties are also very fine this season. This firm's strain of pansies is peculiarly distinct; the bronzy red shades are specially selected from year to year. I have seen pansies in the



A Sub-Tropical Flower Bed at Los Angeles, Cal.

There is one great advantage that most orchids possess over all other flowers, and that is their keeping qualities. If they are not sold to-day, they surely will have customers before they show signs of wilting, which, in some cases, is not for several weeks. Besides, as an advertisement to a retail florist in the semi-suburbs, orchids are a good investment if given the necessary treatment to insure successful culture.

Mr. Griffin has secured from David Rust, receiver for the Graham Company's estate, the material from a number of greenhouses that were located at Olney, which are intended to be re-erected on a plot of ground near to Griffin Brothers' old homestead.

Winsor carnation is a great favorite here; so also is Beacon. The latter was a little off color at the time of my visit, but Bruce stated it is all right in winter. The Queen is the variety grown as a white for late Spring and early Summer blooming. A house of rose Kaiserin Augusta Victoria was showing well for a Summer crop. Lots of good flowering stock was left over from Easter and James was a trifle blue in consequence.

Another son, younger than Bruce, is helping to the best of his ability in all the branches of the business; his name is E. L. Griffin. It is to be hoped that he also will develop into an enthusiastic florist and that Bruce and he will continue the firm name of Griffin Brothers as successfully as their father and uncles have done.

EDWIN LONSDALE.

seem in fine form at the last meeting of the Royal Horticultural Society. Messrs. H. B. May & Sons do all the Ramblers well; when calling at their nurseries a few days ago I found they had a grand lot in various stages of growth. The best specimens of Hiawatha were not quite in flower, but were perfect pyramids of buds. The old Crimson Rambler is still a favorite here, and at the time of my visit was in grand condition. The dwarf sorts also receive special attention. Princess Eua, the single crimson (a sport from Madame Levayssure), is a useful variety. There has been some question about Phyllis and the Baby Dorothy being distinct; a large batch of each growing side by side showed that they were quite distinct, Phyllis being of a deeper color, the flowers not quite so full, and the plants not so dwarf as those of the Baby Dorothy. Some fine plants of Climbing Liberty were noted; the large plants as well as the young stock all showed a decided climbing habit. I understand that this variety originated with Messrs. May & Sons, but I do not know if the same sport has occurred elsewhere.

White Dorothy is another promising rose; this was shown recently by Messrs. B. Cant & Company.

The climbing Frau Karl Druschki sustains its character well and has been well shown by Messrs. H. Low & Company.

CARNATIONS. At a recent meeting of the Royal Horticultural Society A. F. Dutton submitted Mabelle; the

market with larger flowers, but I find they do not prove quite so satisfactory when planted.

ZONAL PELARGONIUMS. Paul Crampell is the favorite scarlet for bedding this season, and it will be extensively planted in the parks and other public gardens. Mrs. French and Mrs. Brown Potter are the popular pink varieties; and it will be difficult to find a better white than Snowflake. Mrs. H. Cannell is a favorite salmon. King Edward VII. does well in a favorable position if the ground is good, but I have seen some failures in poor soil. With the King of Denmark it is the reverse, for it will flower well in poor soil, but grows too rampant in good ground. I find that many growers still favor H. Jacoby, and it does well in some ground, but in a wet season it makes too much growth. For a bright blaze of color we have nothing to beat Vesuvius and West Brighton Gem.

I find that fuchsias will be extensively planted again this season. Years ago none thought of planting what are known as the greenhouse varieties; during the past few years, however, they have gradually come into use. For window boxes, vases on pedestals or for borders they are found to do remarkably well. It is only where they are much exposed to the winds that they prove unsatisfactory. I was doubtful if such heavy flowered varieties as Ballet Girl, Phenomenal, and other doubles could be a success, but they flowered beautifully in the open last season.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYBES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Delivers anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Frest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Indianapolis, Ind.

BEETEMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of reasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of reasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders, they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

Stray Notes from Across the Atlantic.

Speaking of sweet peas, I have been telling all my friends about the novelty and beauty of the Burpee trophy, and it is safe to say that there will be a big fight for it. Although I am staunch to the trade, I want to see a private grower win that trophy, and I don't mind hazarding a shilling or two that a private man will win it.

Mr. Burpee is becoming as well known in this country as Eckford, for his name looms up pretty considerably. Apart from London, Burpee & Company are offering prizes at several provincial shows for the waved sweet peas, including their novelties.

It is interesting to note the remarkable vigor of the White and Cream Spencers compared with Etta Dyke and Clara Curtis, which are similar in form and color. The home-grown samples, however, are wretchedly weak, and were it not for Burpee's varieties very few of us would be able to put up a good display of these new breaks. The Burpee Spencers are little mountains of strength, but whether or not this is due to having been ripened under better conditions than home stocks I cannot say. One thing seems pretty evident, it will hardly be fair this season to say that Burpee's Spencers are



Phoenix Canariensis in California.

identical with the home sorts, for owing to the weakness of the latter, I anticipate that Burpee's varieties will be ahead on all points. The home selections can never hope to equal the American stocks for vigor, and, therefore, I venture to think that the floral committee, when judging at the Reading trials, will hesitate to declare them synonymous.

It is a well-known fact that Miss Philbrick is a stronger and better doer than Flora Norton, although the color is identical. Most English houses stand by the English raised Miss Philbrick. In this case the superiority of the English variety over the American is inherent, for Flora Norton is always weaker. It remains to be proved whether English white and cream waved sorts are inherently weaker than the American ones. If such is the case, Burpee's have every right to stand by their names; but we must have a good season before the matter can be settled.

I might just mention that the term Spencer is not a popular one here, and the National Society has decided to call them waved varieties. Orchid flowered, while appealing to some, myself included, is too lengthy and to others it is indefinite and so the term has been dropped. Under the circumstances, it will be as well if United States raisers dropped Spencer as a descriptive term. When used as part of a name, such as Countess Spencer, no exception can be taken. I am in the dark as to whether or not Morse & Company use the word Spencer simply to define the class their novelty stands in. Florence Morse Spencer reads like a name in full, for there is no other variety of similar color which compels a descriptive term such as Spencer. Eckford's, by the way, refuse to accept the word Spencer as a descriptive term. Waved is the one the firm uses in connection with all the varieties of the Fawin or Countess Spencer type.

There is no doubt but that Burpee's novelties have sold like hot cakes here, and of the thousands of packets and over, I venture to say very few remain at the time of writing (mid-March). Many other novelties, of course, are sold out; in fact, some were in such small supply that they were cleared out almost before they were really offered. This fact is sufficient to indicate that there will be trouble as regards fixity. Varieties such as The Marquis, Princess Victoria and Prince Olaf were practically cleared up by the end of February. James Grieve, the new deep cream sort, is also now on the sold-out list, for the demand has been very great. Mina Johnston and May Perrett have been and are still selling strongly, but owing to their being black-seeded and also to the fact that they were being grown on Eckford's Essex farm in acre patches, the supply of seed is hardly likely to give out, especially as the firm does a retail trade only.

It is curious to note that while the dark colors hung about early in the season, they are moving more strongly now that planting time is at hand. Horace Wright, David R. Williamson, and Duke of Westminster have sold very well, although, speaking generally, these dark shades are not nearly so popular as the pink and lavender shades.

The origin of the waved sweet pea has been the cause of much discussion, and not a little bitterness, in this country, but it has become apparent, to myself at all events, that we should have had the type, even had not Countess Spencer and Gladys Fawin arisen. The latter need hardly be taken into consideration, for while it and its progeny are very beautiful, they are not equal to the true Countess Spencer race. As I have before mentioned, both Countess Spencer and Gladys Fawin were at first stated to be breaks from Prima Donna, but after a couple of years one or two knights of the pen endeavored to disprove this. The parentage of the flower was actually given, but just how many took it for granted will never be known. One thing is certain, whatever variety was used for crossing, there was none that showed any tendency toward waviness, unless I except the Hon. Mrs. E. Kenyon, which has always shown a very slight ruffle. This being so, it is clear that the true waved type came unexpectedly, and, further, it came simply because the sweet pea had reached a stage, brought about by long years of breeding, which induced it to break away from the old type in just the same way as have the frilled begonias and cyclamens. That this is so is proved by the report in the Sweet Pea Annual, of a waved race of sweet peas being evolved by crossing Miss Willmott with Gorgeous, and again crossing the resultant seedlings with Scarlet Gem. This is a totally different parentage from that which brought about Countess Spencer.

Despite these reputed crosses I do not hesitate to say that the waved sweet pea would have come even had no cross been made. I firmly believe the break is due entirely to spontaneous evolution, spontaneous because it was not confined to any one variety to create the new type. This is proved by the appearance of Saint George, which is a selection from Gorgeous. Just how long Saint George will take to fix the waviness remains to be seen, but up to now it has not produced waved flowers entirely, although trueness of color has been proved.

It is interesting to observe, too, that the waved types are direct descendants from Eckford's varieties in every case. Even Gorgeous came as a selection from the old Meteor. The varieties that are traceable to this old variety are surprising. Gorgeous has for several seasons been running amuck, for Evelyn Byatt, Beatrice Whaley, Mildred Ward, Millie Maslin and Saint George are without doubt selections from it. Gorgeous, like Meteor, has finished its innings. What will follow Saint George?

I have been interested in the various notes dealing with sweet peas as shown at various meetings, and I found myself longing to get over to New Orleans, La., where the plants were blooming in February.

I have been watching the Zvolanek varieties over here, and growers to whom I sent samples of seed have also reported. Briefly, I am forced to conclude that we can never hope to grow these varieties as they are done in America. Poor light and lack of sun are the probable causes. Owing to this no amount of heat could be turned on; and at a Guernsey establishment the plants were ruined early in the season through keeping up a temperature of 60 degrees; 45 to 50 degrees is as much as we dare give them during the dull months, and consequently growth was slow. The first bloom was cut on March 5, the color being lavender, and curiously enough every grower reports the lavender as being the first to flower. As to their value as market flowers they have none, so far as March blooms go. The stems are of fair length and wiry, but the flowers are undersized and very thin. The color is very fugitive too, for the pinks quickly fade to cream, and the lilac becomes a pale lavender. Another failing is that, although the flowers are well expanded at the outset, they rapidly take on a terribly hooded form as soon as touched by sunshine. The growth is by no means as strong as that of the ordinary sorts, being thin and wiry, and the foliage is extremely narrow. Whether the blooms will improve later remains to be seen.

T. A. WESTON.

Chrysanthemum Society of America.

The report of the proceedings of the sixth annual meeting of the Chrysanthemum Society of America, held at the American Institute, New York, November 6, 1907, has been issued by Secretary David Fraser. The pamphlet contains the reports of the officers, the papers read, reports of the various committees on seedlings for the year, the appeal for closer affiliation with kindred associations and the conditions under which this is proposed to be effected, the official scales of points of the organization, a list of the varieties disseminated in 1907, and a list of the members of the society.

Secretary Fraser makes a plea for increased membership in the society, pointing out the efficient work the association is accomplishing on behalf of the chrysanthemum, rendering it worthy of the support of all who grow or are interested in that flower. His plea is particularly directed to young florists and gardeners.

The varieties certified during the year were:

Table with columns: Date, Name, Color and Type, Shown by, Points Scored. Lists various chrysanthemum varieties and their scores.

Without having any desire to be hypercritical, we would urge a somewhat more careful editing of this report. On page 11 the treasurer's name is printed "W. H. May," instead of John N. May. Several of the names of members are misspelled, and there are one or more listed who are now deceased, e. g., W. W. Edgar and Grove P. Rawson. These may seem minor details, but to overlook them is apt to create a jar.

Heating.

Growers' Problems Solved by U. G. Scollay.

Would it be possible for me to use steam to heat hotbeds, for the growing of lettuce? If so, how should it be done? I am a beginner, and a subscriber for The Florists' Exchange. G. N. E. Vermont.

—It is quite feasible for you to use steam for hotbeds, the pipes to enter the frames, allowing the entrance to be the high point and drop to the far end, and then drop back all the way to the return. This makes a simple arrangement. I think, though, that you will get better results if you do not have too many frames by using hot water. However, for the ordinary hot-bed bed, and a temperature of 45 degrees, I would suggest that you use three 4-inch pipes. These could be properly placed so that one could be shut off entirely, while two could be in operation, and at the main connections, both supply and return, a main valve could be put on so that an entire frame could be shut off while the others are in use. You do not state how many frames you propose to erect and I, therefore, cannot suggest to you how to arrange the piping. U. G. SCOLLAY.

I wish to heat a greenhouse, 18 by 50 feet, with two feet of glass on sides, to 60 degrees, outside temperature 10 degrees below zero, with hot water. How many 4-inch pipes would I need, how many flows, and how many returns? Would you recommend 4-inch pipe if not, what size? How many pipes under each bench? There will be two 4-foot benches on one each side, and one 6-foot bench in the middle. L. D. P. Ill.

Put in the house ten 4-inch pipes. Under each side bench place four pipes and two under the middle bench. Each of the side benches will have two flows and two returns. The middle bench will have one flow and one return. Keep the pipes under the middle bench about 4 feet apart. You will find 4-inch pipe to give you good results. The writer in his experience has used many thousands of feet of this size and in many cases prefers it to smaller size of wrought iron pipe. U. G. SCOLLAY.

Pittsburg.

Trade Notes.

Trade has been very quiet since Easter, if it had not been for tinctorial work it would have been very dull indeed, for very little was doing in society affairs. The coming week promises a little better. The Grant anniversary banquet of the American Club is regarded as one of the most important gatherings of the leading lights in national affairs, which brings many distinguished people to the city, and the decorations are usually very elaborate. Also the grand opera and several prominent wedding should give some work to the florists. Stock is abundant and prices low. Good lilies bring 1c., roses about 3c.; bulbous stock at all prices, too much outdoor grown coming in. Plant trade is also rather quiet, while the seed trade has been unusually good.

Wm. Loew has rented a nice room on Diamond street, second floor, for the sale of cut flowers, floral work, etc. He has been in the florist's business for many years and is known by everybody around

the market and manages to get considerable funeral work, usually good orders.

Walter Hinkel, a North Side market florist living in West View, was married a short time ago to Miss Lena Birschire. Last week a good many of his friends tendered him such a send-off as he will not forget in a hurry. The Alpine Brass Band was engaged by the serenaders to furnish the music and Walter was compelled to furnish the refreshments.

A few Holland bulb dealers were in the city the past week, but they are not getting orders as fast and large as heretofore. Many of the growers get stuck on bulbous pot plants, these not making enough to pay for the bulbs, so are very slow about ordering for next year.

Tuesday, May 5, is the next date of the Florists' Club meeting in our regular meeting room on Sixth avenue. The subject for discussion is "Bedding Plants," with an exhibition of suitable stock. A few of the members will be requested to talk on certain plants, and as the bedding plant season soon opens up this should be of interest to many.

The weather has been very Spring-like for some time. Everything outdoors in the bulbous line is in bloom; tulip beds are gorgeous, the quality of the bulbs being very good all around.

The flower shows in the park conservatories were visited by many thousands of people last Sunday, the day being fine and warm, but rather hot under glass.

Adam Pfeifer, aged 87, died April 24 at the home of his son, William Pfeifer, 1211 Rush street, North Side. Mr. Pfeifer had been employed in the green-houses in Bellevue for many years. He is survived by four children: William Pfeifer, George Pfeifer, Mrs. Clara Seigmann and Mrs. William Marzok.

The Pittsburg Rose & Carnation Company contemplates building a few more houses this season, plans already being prepared. The past year the firm had a few important improvements—new roller sheds and refrigerating plant. E. C. REINMAN.

ALVIN TEX—C. W. Benson has received from the representative of the Governor of Texas an order for 2,000 gardenias to be used at the White House, Washington, D. C., at the conference of governors called by President Roosevelt for May 13.

GARDENIAS

(Grandiflora Cape Jessamine Buds)



One Dozen Gardenias One Week After Cutting



Stock ready for May 26th, and season will continue until June 5th. Not one florist in ten east of the Ohio and Pennsylvania State line has seen our stock. In the West, and especially in the Northwest, we have supplied 75 per cent. of the florists in certain States at various times.

This variety is about 40 per cent. larger than Gardenia Florida. It reaches destination under our system of packing, pure white and with full retention of perfume. This flower will cost only a trifle more than one dollar per hundred, laid down in the Eastern Zone. The foliage is one of its most attractive features.

A very great number of florists have written us in substance: "I wish I had found you sooner!"

We hope the time will come when this community of friendly growers will supply every florist in the country with this beautiful flower.

Give us a small weekly standing order for 200 buds for one season and you will be glad to keep our name where you can find it in future.

We have over 5,000 customers on our list and several hundred of them have given us annual orders for the past ten years.

Quotations following are NET F. O. B. here.

Standard stem, extra good foliage; first quality buds, per 1000 \$7.50 (Five Hundred at Thousand Rate.) On orders of 3,000 or more, per 1000 6.50 Less than 500 buds, per 100 85

C. W. BENSON & COMPANY ALVIN, TEXAS

Worcester, Mass.

The quality of Worcester flowers this season is of a higher grade and standard than ever before. The roses and carnations coming in from the Worcester Conservatories are superb, showing great care, skill and forethought; several dealers who have been buying out of town heretofore have seized upon this opportunity of getting high-grade home-grown stock.

Lange has put out in front of his store an unique sign which causes people to stop, pause and consider before going farther, a happy thought which will be worth dollars.

Several department stores here are having a Cheap John sale of nursery stock from some far-away nursery.

Brandt Brothers have appeared on the streets with their pansies.

The seed trade at Ross Brothers' store is reported as above the average, indicating much activity among the growers. O. S. RYER.

PROVIDENCE, R. I. On the night of April 22 thieves broke into the green-house and office of Johnston Brothers at 162 Rockman avenue and stole four overcoats valued at \$82.

MIDLAND, ONT. A correspondent advises that Mrs. W. G. Whitney, florist, has had the misfortune to lose all her plants by frost. Her husband is not at present available to assist her, and she has four children to support. Mrs. Whitney will be thankful for any help the trade in their generosity may afford her.

WASHINGTON, D. C. Alonzo Henrick, horticulturist at the Government Hospital, is dead. Mr. Henrick was born in Copenhagen, Denmark, March 18, 1833. At an early age he came to this country and for the past forty-five years had been a resident of the District of Columbia. He was appointed horticulturist at the Government Hospital in 1876 and during his thirty-two years' service it is said developed one of the finest vineyards and fruit orchards in the country.

With the close of business for the Easter season weather conditions changed from those of March to Midsummer. The effect is evidenced especially in winter-flowering stock such as carnations and roses. Many of the former are annually retained even as late as the 20th of June, when the schools close, but the warm weather coming so early greatly interferes with this work. Sweet peas are becoming plentiful and thus far have sold quite readily.

Many dinner parties are keeping the decorative artists busy.

Gude Brothers are growing one whole house of the new pink rose My Merry bud. JAS. L. CANNON.

SYRACUSE, N. Y. Harry E. Bell's list of names bears testimony to L. E. Marquise, spring a great surprise on his friends by being called, married to Miss Laura C. Andrews. The ceremony took place Easter Monday evening and was performed by the Rev. Dr. Fulton. Harry's friends are legion and they wish him and his lovely many years of happiness and prosperity. H. A. Y.

New York.

The Week's News.

The Horticultural Society of New York will hold its eighth annual meeting and exhibition in the Museum Building of the New York Botanical Garden, Bronx Park, on Wednesday, May 13, 1908. At the meeting, which will take place at 4 p. m., the annual election of officers will be held. Dr. B. T. Galloway, Chief, Bureau of Plant Industry, United States Department of Agriculture, will deliver a lecture, illustrated by stereopticon, on "The Foundations of Successful Violet Culture." A vote will be taken on some proposed amendments to the constitution, including one providing for associate membership, with annual dues of one dollar.

The newly established orchid section of the society will hold its first meeting on Wednesday, May 13.

There will be an exhibition of plants and cut flowers for which substantial premiums will be offered. The council has placed at the disposal of the orchid committee one gold medal, three silver, and three bronze medals, which may be awarded at the discretion of that committee for special exhibits of new or rare plants or for other orchid exhibits of merit not provided for in the schedule of prizes.

The American Rose Society has accepted the invitation of the Horticultural Society of New York to hold its Summer meeting and exhibition of garden roses in connection with the June meeting. On account of the uncertainty of the weather conditions the exact date cannot now be announced. Anyone, not a member of either society, will be notified, if an application is sent to Leonard Barron, secretary, at 55 Liberty street, New York. There will be an address on "Garden Roses," by W. C. Barry, and an exhibition of lantern slides of rose types and rose gardens, by Mr. Barron. The meeting will be held in the New York Botanical Garden.

Robert Craig and S. S. Pennock, both of Philadelphia, and Wm. F. Wight of the United States Department of Agriculture, Washington, D. C., were visitors this week.

To-day (Saturday) the annual meeting of the stockholders of the Cut Flower Exchange is to be held in the offices on Twenty-sixth street and Sixth avenue. The Board of Directors will submit a proposition to the stockholders to open the market at 7 o'clock each morning from October 1 to April 1, and during the balance of the year to open the market at 6 a. m., as is in force at the present time. This proposal was unanimously approved by the directors at their last meeting. At the meeting to-day there will also be an election of four directors to fill the places of Charles Beckman, J. Leach, W. H. Siebrecht and David Deans, whose terms expire this year. It would seem that the resolution to open the market at 7 a. m. from October to April is a good idea, and, if adopted, will be a step in the right direction. Seven o'clock is certainly early enough to open a cut flower market during the winter mornings, especially when we take into consideration the distance of the greenhouses of some of the growers from the market, and the time they have to start from home when they wish to reach a market that opens at 5 or even 6 o'clock in the morning.

John Kral, the popular salesman of Moore, Hentz & Nash, wholesale florists at Twenty-sixth street and Sixth avenue, is in the German Hospital, where he underwent an operation on Saturday last. We are glad to say that Mr. Kral is getting better, and a full and complete recovery is assured.

Southern lilac is coming into this market this year in enormous quantities, much more so than has been the rule, we think, for several years past.

H. N. Jacquemont, a well-known landscape gardener, who resided at 481 Central avenue, Jersey City, died suddenly in New York on Friday, April 24. Mr. Jacquemont was sixty-nine years old, and up to the time of his death had enjoyed unusually good health. He came to this country from France some thirty-five years ago, and had always been a resident of Jersey City. A widow and six children survive him. The interment was in Fairview Cemetery, Jersey City. Henry Matz has purchased the Glen Cove Greenhouses at Dosoris and Wool-

Special Clearance Sale

Of reasonable stock. The below stock is fine, the price is cheap and they will go quick. If you need anything on this list, better order today. 6 at doz. rate, 25 at 100 rate, 25 at 1000 rate. All plants from 2 1/2-in. pots unless otherwise stated. Preserve this advertisement, as it will not appear again.

	Per doz.	100	1000
Achilleas, The Pearl and Millefolium	\$0.40	\$2.00	\$20.00
Ampelopsis Vetchii, 18-24 in., field-grown	1.00	8.00	
" 24-36 in. "	1.50	12.00	
Abutilons, 6 best varieties	.40	2.50	20.00
Achyranthes, 4 of the best sorts	.30	2.00	15.00
Almond, white and pink, 2 ft.	2.00	15.00	
Astilbe Japonica nana compacta and Gladstone clumps	.50	4.00	
Asparagus Sprenger, 2 1/2-in.	.40	2.00	18.00
" plumosus nanus, 2 1/2-in.	.75	5.00	
" .40	2.00	25.00	
Aspidistra, green-leaved, 4c. a leaf, 2-3 leaves, variegated, 7c. a leaf, 2-3 leaves	.40	2.50	20.00
Acalybas, Sanderi, bicolor, and marginata	.60	4.00	
" triumphans	.60	4.00	
Alternantheras, 2 sorts, red and yellow	.40	2.00	18.00
Aloysia citrodora or Lemon Verbena	.30	2.00	15.00
Ancuba or Gold Dust Shrub, 18-24 in., each 20c.	.30	2.00	15.00
Ageratum, 3 best varieties, white and blue	.30	2.00	15.00
Araucaria excelsa, 12-15 in., 3 tiers, 65c. each	7.50		
Amaryllis formosissima and equestris	.75	5.00	
Alyssum, double-flowered giant	.30	2.00	15.00
Anthericum, fine for vases and baskets	.50		
Althaea or Rose of Sharon, 7 best colors to name, 2 ft.	.50	3.50	
Althaea or Rose of Sharon, 3-4 ft.	.75	6.00	
Agapanthus umbellatus, Blue African Lily	.50	3.50	
Akebia quinata, fine hardy climber	.30	2.00	15.00
Brugmansia or Angel's Trumpet, 2 1/2-in.	.30	2.00	15.00
Box Dwarf Ornamental, fine for borders, 4-in.	.40	2.50	20.00
Begonias, flowering, 10 best varieties	.40	2.50	
Browallia gigantea, fine blue flowers	.30	2.00	
" tuberosa, single flowered	.60	4.00	
" " double flowered	1.00	7.00	
Bougainvillea Sanderiana, strong plants	.60	4.00	
Colens in 20 of the leading sorts	.30	2.00	15.00
" Christian Gem, new, fine and showy	.60		
Camellia Japonica, white and pink, 2 1/2-in. plants	.75	7.00	
Crotons in 25 of the best varieties	.50	3.00	25.00
Cyperus alternifolius or Umbrella plant	.25	2.00	15.00
Cinnamon Vine, strong climbers	.20	.60	4.00
Cyclamen Persicum, elegantum	.40	3.00	
Cactus Queen of the Night, beautiful	.50	3.00	
Carnations in 10 of the leading varieties, including Enchantress, Lady Bountiful, Crusader, Lawson, Queen, etc.	.40	2.50	22.50
Chrysanthemums in 50 of the best market and cut flower varieties	.40	2.50	20.00
Clematis Henryll, Duchess of Edinburgh, Ville de Lyon and Mme. Baron Veillard, imported, pot-grown, each 25c.	2.00	15.00	
Clematis paniculata, 2 1/2-in. pots	.50	3.50	30.00
Crope Myrtle, crimson, purple and pink	.40	2.50	
Cestrum Parqui, night blooming jasmine	.40	2.50	
Calla Aethiopia, fine young bulbs	.60	5.00	
" strong bulbs	1.00	7.00	
" dwarf nana compacta, fine	.40	3.00	
Richardia (Spotted Calla)	.40	3.00	
" aureum, yellow flowering	1.00		
Caladium esculentum, good bulbs	.60	4.00	
" " fine large bulbs	1.00	7.00	
" fancy leaved, in 10 best varieties	1.25	10.00	
Clerodendron Balfour, fine bedder in the south	.40	2.00	
Canas, started plants, including Chas Henderson, Egandale, Florence Vaughan, Alemannia, Falhope, Austria, Alsace and many others	.50	3.50	30.00
Dahlia, 30 named sorts, field-grown	.50	4.00	
Daisy Snow Crest, double, hardy	.40	2.50	
" Marguerite, 4 best varieties, white and yellow	.40	2.50	
Deutzias, gracilis, Leminei, crenata fl. pl. and Pride of Rochester, field-grown plants, 12-18 in.	.60	4.00	
Deutzias, 18-24 in.	.75	6.00	
Dicentra spectabilis, bleeding heart	.60	5.00	
Draenaena terminalis, 5-in. pots, strong, 40c. et	3.50		
Draenaena indivisa, 2 1/2-in.	.40	3.00	25.00
Eulalia, gracillima, variegata and zebraia	.40	2.50	
Fuchsias in 10 choicest varieties, double and single	.40	2.50	20.00
Ficus elastica, 15-18 in., 35c. each	3.00	2.00	
" 24-in. high, 50c. each	5.00	35.00	
Ferns, Boston, 2 1/2-in.	.50	3.00	27.50
" 3-in.	.75	5.00	
" 4-in.	1.25	12.00	
" Whitmani, 2 1/2-in.	.50	4.00	35.00
" 4-in.	1.50	12.50	
" 5-in., strong, 30c. each	3.00	20.00	
" Pieroni, 2 1/2-in.	.40	3.00	
" Pteris tremula, Shaking Fern, 2 1/2-in.	.40	2.50	
" Nephrolepis exaltata, fine for vases	.40	2.50	
" 4-in. fine	1.25	10.00	
" Dwarf ferns for dishes, 6 leading sorts	.40	2.50	20.00
Fern Bulbs, 5 to 7-in.	1.50	12.50	
Feverfew Little Gem	.30	2.00	
Funkia White Day Lily and variegata 1 bush	.30	4.00	
Gladioli, fine mixture	.20	1.00	9.00
" G. & R. International mixture	.30	1.50	12.50
Geraniums, fine assortment, 20 leading varieties, both double and single	.40	2.75	25.00
Geraniums, ray-leaved, in fine assortment	.40	2.75	25.00
Geraniums, Sweet-scented Rose Balm & Oak	.40	2.50	20.00
" Pelargoniums in 12 best named sorts	1.50	10.00	
Genista Canariensis, fine stock	\$0.40	\$3.00	\$25.00
Gloxinias, fine strain of bulbs	.40	3.50	30.00
Grevillea robusta or Silk Oak	.40	2.50	20.00
Hydrangea paniculata, 6 to 8-in.	.75	5.00	
" 18 to 24-in.	1.50	12.00	
" Tree-shaped, 35c. each	4.00		
Helianthus multiflorus, hardy double sunflower	.40	2.50	20.00
Hibiscus Peachblow and other varieties, all colors	.40	2.50	22.50
Hypericum Maderianum, hardy	.40	3.00	27.50
Hyacinthus moscaticus, fine bulbs	.40	2.50	
Heliotropes in 6 best varieties	.40	2.50	22.50
Ivy, English and German	.40	3.00	
Iris Kamperi or Japanese, 6 colors	1.00	8.00	
Impatiens, 4 distinct colors	.40	2.50	20.00
Jasmines, 6 best kinds	.40	3.00	25.00
Justicias, 3 distinct colors	.40	2.50	
Lantanas, 6 best varieties and colors	.40	2.50	20.00
" Weeping, fine vase plants	.40	2.00	15.00
Lilac, purple-flowering, 12 to 15-in.	.60	5.00	
Lilacs, hardy caudicum and double Tiger	.75	6.00	
" " rumex and speciosum	1.00	7.00	
" Hemerocallis flavo, Lemon Lily	.30	2.00	15.00
Lily of the Valley, fine pips	1.00	9.00	
Lemon ponderosa, fine for pots, 2 1/2-in.	.50	3.00	27.50
" strong, 4-in. pots	1.50	12.00	
Milk and Wine Lily	1.00	7.00	
Magnolias, hardy, 6 varieties, 3-4 ft., each 50c.	5.00		
Madrona vine, hardy climber	.50	2.50	20.00
Mastelia vine, tender summer climber	.30	2.00	
Moonyines, both white and blue flowering	.50	3.00	
" New Ipomea maxima, giant flowering	.75	6.00	
Manettia bicolor, handsome, in pots	.50	3.00	
Maples, Japanese, fine young stock, 6 sorts, 35c. each	3.00	20.00	
Mahonia, honey bells	.30	2.00	15.00
Nierembergia, fine for vases	.30	2.00	
Notelate Orange, 2 1/2-in. pots	.50	3.00	27.50
" 3-in. pots	.60	5.00	
" 4-in. pots, each 35c.	3.00	20.00	
Pomegranates, 3 varieties	.40	2.50	20.00
Picea pungens, Koster's Blue Spruce, 12-in., 50c. each	5.00		
" 18-in., 75c. ea.	8.00		
Pansies from flats, fine	1.00	7.00	
Pinks, hardy Scotch, 6 best varieties	.40	2.50	20.00
Pitosporum Toira	.75	5.00	
Primroses, Mexican, obconica, Forbest	.40	2.50	20.00
Peonies, We have a fine assortment of named varieties, also assortments to color, cheap. Write for prices.			
Phlox, hardy perennial in 15 best colors, field-grown	.50	4.00	35.00
Privet, California, 10-15 in.	.40	2.50	20.00
Philadelphus, mock orange, 18-24 in.	.75	6.00	
Plumbago, Cape, white, and Lady	.40	3.00	
" Larpent, hardy blue	.40	3.00	
Pyrus Japonica, Japanese quince, 15-18 in.	.75	6.00	
Peperomia maculosa, fine plants	.40	3.00	25.00
Passiflora Constance Elliott, hardy white	.50	3.00	
Palms, young plants from 2 1/2-in. pots, to grow on consisting of Phoenix reclinata and Canariensis, Latania Borbonica, Areca lutescens, Seaforthia elegans, Coropy Australia, and Washingtonia filifera	.50	3.50	
Roses, including teas, hybrid teas, hybrid perpetuals, tender and hardy climbers, in 200 best varieties. Write for prices on large lists of roses.			
Roses in choice assortment of all the best varieties, 4-in. pots	1.25	8.00	
Rhododendrons, 24-in., 10-15 buds, in 8 distinct varieties, 80c. each	9.00		
" Same varieties, 16-18 in., 4 to 5 buds, 40c. each	4.50		
Rudbeckia Golden Glow	.40	2.00	15.00
Russelias, 3 varieties	.40	2.50	20.00
Rhus Cotinus, purple fringe	.60	5.00	
Royal Purple (Strobilanthus), bright foliage	.40	2.50	20.00
Salvias, 5 leading varieties	.40	2.50	22.50
Stokesia cyanea or cornflower aster	.40	2.50	20.00
Spiraeas, Van Houttei and Anthony Waterer, 1 year from field	.60	4.00	
Smilax Capensis	.30	2.00	18.00
Sansevieria Zeylanica	.40	2.50	20.00
Stephanotis floribunda	.50	4.00	30.00
Saxifraga sarmentosa	.40	2.50	20.00
Solanum azureum	.40	3.00	
Sage, Holt's Mammoth, in great demand	.40	2.50	
Tradescantia or Wandering Jew	.30	2.00	
Vinca major variegata, 2 1/2-in.	.40	2.50	20.00
" 4-in.	1.00	8.00	
" rooted cuttings	1.00	1.00	9.00
Viburnum plicatum, Japanese snowball, 18-in. to 2 ft.	2.00	12.50	
Viburnum Opulus, common snowball	.60	4.00	
Violets, six best varieties, both double and single flowering	.50	3.00	25.00
Weigelia, 2 sorts, 18 to 24 inches	.90	6.50	
Wistaria Chinensis, 2 1/2-in.	.40	2.50	
" 18-24 inches, from field	.30	6.50	

OUR NEW TRADE LIST MAILED ON APPLICATION. ADDRESS

THE GOOD & REESE CO., The Largest Rose Growers in the World. Springfield, Ohio

sey avenues, Glen Cove, L. I., and took possession Friday, May 1. These greenhouses were hitherto conducted by Felix Mense, and a general retail business was done. Mr. Matz will continue the business, and in addition to the general run of retail trade will make a specialty of landscape work. For the past eight years Mr. Matz has been superintendent of Germelwood, the country place of the late L. J. Busby, and had previous to that time considerable experience as a florist.

Daniel Cole, the well-known retail florist of 116 Newark avenue, Jersey City, and Miss Anna May Baumann, 3837 Boulevard, West Hoboken, were united in marriage on Sunday evening, April 26, at the home of the bride. After the ceremony an elaborate dinner was served to about thirty-four friends of the contracting parties. J. K. Allen, wholesale florist, New York, was one of the invited guests. Mr. and Mrs. Cole are spending their honeymoon at Niagara Falls.

William Elliott & Sons, the well-known seedsmen, are moving from 201 Fulton street to 42 Vesey street. They held their first auction sale of plants at the new quarters on Tuesday. The new auction room is more airy and lighter than the one vacated. Auctioneer Elliott is delighted with the change and says that while it is a big job moving, it has certainly been worth the trouble. The consignments of plants to the auction room moved easily and gave much satisfaction to consignors.

Boston.

News Notes.

R. & J. Farquhar & Company exhibited a collection of seedling lilies, crosses between L. longiflorum and philippense, at Horticultural Hall on Saturday for the consideration of the plant and flower committee. A variety marked No. 1 was awarded a first-class certificate of merit.

The Waban Rose Conservatories have decided to retain the name of White Killarney for their new rose. Many requests were made by people unfamiliar with roses for the name to be changed to Mavourneen, but a publication of intentions to change the name soon brought out the fact that the name Mavourneen was already applied, it having been used by the raisers of Killarney for a rose several years before they introduced the latter variety.

George Moore, who died in Quebec last week, an able writer and lecturer on horticultural topics, was well known some years ago in this city, he having been superintendent of the Waban Conservatories for several years before rose growing had been thought of as an exclusive crop for one establishment.

Daniel Hiffe has been busy getting up a number of sets of his new ventilating apparatus, he having already installed several sets for M. Aylward, Hugh Cameron and others.

Peter Fisher is not much pleased with the behavior of some of the highly recommended English varieties of carnations. He says that the varieties Mrs. Burnett and Britannia are almost complete failures with him.

A prominent horticulturist who is given the credit of knowing whereof he speaks says that in a few years the camellia will be a favorite flower and will be more sought after than it was in the good old days of long ago.

J. W. DUNCAN.

St. Paul.

News Notes.

L. L. May & Company and Holm & Olson are doing landscape work in the city. The call for this work now is very heavy.

The Twin City Florists' Club met at the City Park Greenhouses, Minneapolis, on April 21. Mr. Boeglin read a very able paper on "Bedding Plants" which was very nicely illustrated by the new varieties being grown by him. Among other good things Salvia Zurich was greatly admired. Mr. Rosacker spoke on fire insurance and the secretary was authorized to request the S. A. F. O. 11, to look into the matter of rates and endeavor to obtain a fair and equitable adjustment of them. The next meeting will be held May 18 at Holm & Olson's store, St. Paul.

J. Hoffman of May's store is passing around the cigars on account of the arrival of a 12-pound boy at his home a few days before Easter.

Visitors since last report: C. S. Ford, Philadelphia, and A. Currie, Milwaukee.

VERITAS.

CANNAS

Our selection, \$15.00 per 1000, \$1.75 per 100.

DAHLIAS

The Leading Varieties for Florists

Prices of named varieties of Dahlias, field-grown whole clumps, 40c. per doz.; \$3.00 per 100; \$25.00 per 1000. All kinds mixed 30c. per doz.; \$2.50 per 100; \$20.00 per 1000.

CALADIUM

Caladium Esculentum—(Elephant's Ear)

Bulbs measuring 6 to 8 inches in circumference, 25c. per doz.; \$1.50 per 100; \$10.00 per 1000.

Bulbs measuring 8 to 10 inches in circumference, 50c. per doz.; \$3.25 per 100; \$30.00 per 1000.

Bulbs measuring 10 to 12 inches in circumference, 75c. per doz.; \$5.50 per 100; \$50.00 per 1000.

TUBEROSES

Dwarf Double Pearl, "Imperial Strain," the best of all, selected Bulbs, 4-6 in. circumference, 90c. per 100; \$8.50 per 1000. 3-4 in. circumference, 50c. per 100; \$4.50 per 1000.

SHELLROAD GREENHOUSES, GRANGE BALTIMORE, MD.

CANNAS

Special Prices to Close Surplus.

SIX VARIETIES AT \$1.00 PER 100. Atlanta, Austria, Marechal Vaillante, also three grand sorts, large-flowered, names lost.

SEVEN VARIETIES AT \$1.25 PER 100. Burbank, Felix Croise, Mile. Herat, Morning Star, Bronze King, Metallic, King of Bronzes.

TEN VARIETIES AT \$1.50 PER 100. Atlanta, Partenope, Pennsylvania, J. D. Cabos, Ex Crampbell, L. Patry, J. C. Vaughan, Queen of Holland, President Carnot, Musafolia.

NOVELTIES: Eastern Beauty, \$2.00; R. Wallace, \$3.50 per 100; Indiana, Wyomung, Graf Waldersee, Hoffgartner Hoppe, Chutiqua, \$4.50 per 100; Queen of Beauty, \$2.00 per dozen; \$15.00 per 100. Our new seedling W. B. Cottrell, the best dark pink yet, 25c. each; \$2.50 per dozen; \$18.00 per 100.

Started plants of Cannas, started in sand, ready after April 15, same price as dormant roots; place your order now. A collection of 50 novelty CANNAS, all correctly labeled, started plants, for \$2.50.

Japanese Kudzu Vines, strong plants, \$4.00 per 100.

FRANK CUMMINGS BULB & PLANT CO., MERIDIAN, MISS.

FRINGED Double Petunias

Fine plants, in bud and bloom, 4 in., \$5.00 per 100.

- SINGLE PETUNIAS, 3 in. Per 100
VINCA variegata, R. C. 3.00
AZANIA Splendens, 2 in. 2.50
ASCARAGUS, Sprenger, 3 in., very strong 5.00
GERANIUMS, Mme. Sallerol, 2 in. 2.50
DRACAENA Indivisa, 4, 6 and 7 in. 10.00, 15.00 and 20.00
SINGLE HOLLYHOOKS, fine strain, strong 2.00
DAHLIAS, 4 best, for cut flowers, A. D. Livoni, pink; Arabella, light; Lyndhurst, vermilion; Queen Victoria, yellow; field clumps 5.00

Cash with order, please

GEO. J. HUGHES, Berlin, N. J.

ASPARAGUS Plumosus and Sprengeri, strong plants, 2 in. pots, \$2.25 per 100.

STOCKS, double white, in bloom, 6 in., 20c. each.

ENGLISH IVY, 2 and 2 1/2 in., \$2.00 per 100.

GERANIUMS, double scarlet and red, \$1.75 per 100.

ARACARIAS, 20 in., four tiers, \$1.00.

HYDRANGEA Paniculata Grandiflora, 10 in., \$3.00; 2 to 3 feet, \$6.00 per 100.

FERNS, Scottii, 4 in., 10c.; 5 in., 15c.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

California Privet, 5 to 6 ft., 5c. each.

J. H. DANN & SON WESTFIELD, N. Y.

MOON VINES

2 1-2 in. pots, \$5.00 per 100

Godfrey Aschmann

Importer, Wholesale Grower and Shipper of Pot Plants

1012 Ontario Street, Philadelphia, Pa.

First-Class Stock

100,000 Geraniums, bloom, eight varieties, most in bud and in flower, 100; \$45.00 per 1000; strong, 3 in., \$4.00 per 100; \$35.00 per 1000. Verbenas, Lobelia Compacta and trailing; Salvia Bonafide, Spl.; Ageratum, blue; Coleus, 12 varieties, strong, 2 in., \$1.75 per 100; \$15.00 per 1000; 3 in., \$2.50 per 100. Begonia Vernon, strong, 3 in., \$4.00 per 100; \$35.00 per 1000. German Ivy, Dreer's single fringed Petunias, Heliotrope, bushy, 3 in., \$3.00 per 100. Vinca variegata, strong, 3 1/2-4 in., \$6.00 per 1000. Cannas, strong, 3 in., \$4.00 per 100. Cash.

WM. S. HERZOG, Morris Plains, N. J.

GRAFTED ROSES

NOVELTIES

MRS. JARDINE, RHEA REID, QUEEN BEATRICE.

The above, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.

MY MARYLAND, 50c. each, \$5.00 per doz., \$35.00 per 100.

On own roots, 2 1/2 in. pots, \$25.00 per 100, \$2.00 per 10; 3 in. pots, \$5.00 per doz.

STANDARD VARIETIES

Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kato Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chateaux, Mme. Hoate, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wallesey, White Cochet.

GRAFTED, 2 1/2 inch pots, 20c. each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1000.

OWN ROOT ROSES

From 2 1/2 inch pots, repotted from 2-inch.

Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chateaux, \$1.00 per doz., \$8.00 per 100, \$50.00 per 1000.

From 2 inch pots ready for shipment, \$3.50 per 100, \$30.00 per 1000.

CARNATIONS—Rooted Cuttings.

- White Perfection 100 1000
Rose Pink Enchantress 2.50 20.00
Enchantress 3.50 30.00
Queen Louise 2.50 20.00

From 2 1/2 inch pots, add \$1.00 per 100.

MISCELLANEOUS PLANTS

AGERATUM, Stella Gurney, Princess Pauline.

SALVIA Splendens, S. Bonfire.

HELIOTROPE.

Rooted cuttings 75c. per 100, \$6.00 per 1000.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS from flats, \$10.00 per 1000.

A. N. PIERSON, - CROMWELL, CONN.

CYCLAMEN

Splendens Giganteum Hybrids. Finest strain in the world, perfect flowers of Giant type in five true colors, twice transplanted from flats, \$3.00 per 100, \$25.00 per 1000; plants from 2 1/2 in pots, \$5.00 per 100, \$45.00 per 1000.

CANNAS

Alphonse Bouvier, Florence Vaughn, Chas. Henderson, Chicago, Papa, Egan-dale, J. D. Cabos, Queen Charlotte from 3 in. pots, \$4.50 per 100, \$40.00 per 1000.

GERANIUMS

S. A. Nutt, John Doyle, Castellane, Beaute Poitevine, E. G. Hill, Mme. Landrey, Mme. Jaulin, La Favorite, etc., first-class grown stock in bud and bloom, from 4 in. pots, \$6.00 per 100.

SATISFACTION GUARANTEED

PAUL MADER, East Stroudsburg, Pa.

250,000 PANSIES

SUPERB STRAIN. READY NOW. Fall Transplanted Pansies, in bud and bloom. A trial order will convince you that these are the best you have ever handled. \$1.25 per 100; \$10.00 per 1000. Cash with order.

LEONARD COUSINS, Jr. CONCORD JUNCTION, MASS.

Advertisement for Leonard Cousins, Jr. featuring Pansies and other plants.

SMILAX from 2 1-4 in., \$2.00 per 100, \$18.00 per 1000.

SMILAX seedlings, 50c. per 100; \$1.50 per 1000.

ASPARAGUS Sprengeri, 4 in., \$6.00 per 100.

CHRYSANTHEMUMS, nice stock, from 2 1-4 in. Poly Rose, Glory of the Pacific, Ivory, Appleton, Bonnafon, \$2.50 per 100; \$22.00 per 1000.

GERANIUMS, S. A. Nutt, Orant, 3 in., \$3.50 per 100.

C. A. Peterson, 196 MAIN STREET MADISON, N. J. The book of WATER GARDENING By Peter Blaas. Price, postpaid, \$2.50. A. T. DE LA MARE PTG. & PUB. CO., LTD. 2 to 3 Duane Street, New York.

COLEUS Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 40c. per 100, \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate. Golden Bedder, Hero, Measey, Pearl of Orange, 75c. per 100, \$6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate. Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c. per 100, \$6.00 per 1000. Less than 250 in assortment, our selection, at the 1000 rate.

CHRYSANTHEMUMS

READY FOR SHIPMENT Virginia Poshlmann, Angolo Laurent, Golden Dome, Milo, Jeanno Rosette, Money Maker, From 2 1/2 in. pots \$2.00 per doz.; \$10.00 per 100. Mrs. Clay Frick, Zimmers Yellow, Mary Mann, From 2 1/2 in. pots \$1.00 per doz.; \$10.00 per 100. Rooted Cuttings, \$7.00 per 100. CHOICE POMPONS, Klondyke, Quinola. CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita, From 2 1/2 in. pots, \$1.00 per doz.

STANDARD VARIETIES WHITE—Early: George S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clemmie Louise, Tansy, White Shaw, Mrs. H. Robinson, Beatrice May, Mirza, Nivens, Queen, Alice Byron, Eureka, Miss Minnie Wanamaker, Adella, Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas. PINK—Early: Glory of the Pacific, Roslere, Mid-Season: J. K. Shaw, Adela, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton P. Plant. Late: Maud Deau, The Harriott, Mayor Weaver, Mrs. James Marshall.

YELLOW—Early: Montevia, Mid-Season: G. Pitchee, Col. D. Appleton, Late: Major Bonnafon, Golden Wedding, H. W. Rejman, Yellow Eaton. RED—Cullingfordi, Merstham Red, Matchless. BRONZE YELLOW—Mrs. William Duckham, Old Gold. POMPONS—Baby (Yellow), Lulu (White), Brides (Pink). From 2 1/2 inch pots; 5c. each, 50c. per dozen, \$3.00 per 100, \$25.00 per 1000. Rooted Cuttings: \$2.00 per 100, \$15.00 per 1000.

SMITH'S NOVELTIES FOR 1908 Golden Glow, Pacific Supreme, White Cloud, 2 1-4 inch pots, \$5.00 per dozen. Ready for shipment.

A FEW GOOD THINGS YOU WANT

- Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100. Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100. ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100. Dracaena Indivisa, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100. FERNS, Scottii, 5 in., 30c. each. GERANIUMS, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., \$1.25 per 100; Pot plants, 2 in., \$2.00; 3 in., \$4.00 per 100. Tregu, Castellane, Vlad, Jaulin, Poitevine, H. C., \$1.50 per 100; Pot plants 2 in., \$3.50; 3 in., \$5.00 per 100. Mme. Sallerol, 2 in., \$3.00 per 100. VINCA VAR., 2 in., \$2.00 per 100. Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order. GLADIOLUS BULBS, mostly light colors, \$1.00 per 100. REX BEGONIAS, 2 in., \$5.00 per 100. COLEUS; ALTERNANTHERA, red and yellow; CIGAR PLANT; VERBENA; HELIOTROPE; SCARLET SAGE, Bonfire; 2 in. pots, \$2.00 per 100.

GEO. H. IMMANS, NEWTON, N. J.

STOCK YOU NEED

SALVIA. I have raised these from seed and twice transplanted them, making strong, clean, healthy stock. Bonfire, St. Louis and Splendens, 90c. per 100; \$8.00 per 1000. PANSIES, large transplanted stock, coming in bud, of Dreer's Exhibition strain, 75c. per 100; \$6.00 per 1000. PEACHIAS, Little Beauty, large plants, in 2 1/2 in. pots, ready for 3 in., \$3.00 per 100. FEVERFEW, double white, large plants, out of 2 1/2 in., \$2.00 per 100. LOBELIAS, Crystal Palace compacta, large plants, in 2 1/2 in. pots, \$2.00 per 100. ALYSSUM, double alyssum, strong K. C., 60c. per 100. PETUNIAS, Ruffled Giant (single), 2 1/2 in. large plants, \$1.00 per 100. MME. SALLEROL, large 2 1/2 in. plants, \$2.50 per 100. VERBENAS, large transplanted stock in separate colors, pink, blue, white, scarlet, rose and purple, 75c. per 100; \$6 per 1000. AGERATUMS, transplanted seedlings, large plants from soil, 75c. per 100.

S. A. PINKSTONE, 29-32 Philip St., N.Y.C.

BOXWOOD

3 to 6 inches, \$2.00 per 100; 6 to 14 inches, \$12.00 per 100. ASPARAGUS Plumosus X X X, 3 in., \$1.00 per 100. VINCA VARIEGATA, 2 in., \$2.00 per 100; \$18.00 per 1000.

J. W. ADAMS & CO., Springfield, Mass.

CLASSIFIED ADVERTISEMENTS

Cash with order. The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted, other Wants, also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent. Our charge is 10 cts. per line of words to the line, set solid, without display. No advt. accepted for less than thirty cents. Display advertisements, in these columns, 15 cents per line, count 12 lines agate to the inch. (If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.) Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday. Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care of Chicago office at 444 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—By a young boy in an up-to-date retail florist store. Address, O. O., care The Florists' Exchange. SITUATION WANTED—By gardener on private place, and in the evening, A. No. 1 of grades. Address, M. J., care The Florists' Exchange. SITUATION WANTED—As first or general assistant on private place, inside or out, say 2000 year's experience in all kinds of plants. Best references. Address, X. N., care The Florists' Exchange. SITUATION WANTED—Young man, 24 years of age, would like a position as assistant or general greenhouse man on commercial place. Address, J. J., Long, 132 Broadway Street, Brooklyn, N. Y. SITUATION WANTED—As assistant in greenhouse and chrysanthemum growing. Must be able to work in the morning, evening and night. Late experience. Address, H. C., care The Florists' Exchange. SITUATION WANTED—As foreman on large commercial or private place, up in all branches, growing, decorating, designing, land scaping. Late experience. German, married, fine references. H. L. Lancher, Abington, Va. SITUATION WANTED—By American, 25 years of age, married, sober, reliable, competent and willing. Good designer, 18 years' experience with roses, carnations and general stock. Good references. Address, N. Y., care The Florists' Exchange. SITUATION WANTED—On large private or commercial place, 14 years' experience eight months in this country. Single, 23 years of age, best German references. Middle State, preferred. Address, H. M., care The Florists' Exchange. SITUATION WANTED—A foreman or manager by first class greenhouse and my own late experience in all branches. Best of references. Good to handle both the best of average. Address, L. E., care The Florists' Exchange. SITUATION WANTED—Florist and gardener, aged 25 years, single, strictly sober. The excellent references, carnations, chrysanthemums and general stock. Please state wages with or without board. Address, D. H., care R. Carson, Hoboken, N. J. SITUATION WANTED—Expert greenhouse constructor wishes position, day's work or contract. Can take entire charge of iron or wood-frame construction, private or commercial. J. Gold, 126 Central Avenue, Brooklyn, N. Y. SITUATION WANTED—By German, single, 41 years' experience in greenhouse culture of palms, cyclamen, roses, carnations and general stock. Wants position on private or commercial place. Fritz Becker, 291 Richmond Road, Stephen S. L. N. Y. SITUATION WANTED—By a good grower of roses, carnations, chrysanthemums and general greenhouse stock, also good market, up and lands up. Able to be charged. German, 29 single, wages \$15.00 weekly. Address, A. P., care The Florists' Exchange. SITUATION WANTED—By young man, aged 23, 19 years' experience in florist business, also a good mechanic, both carpenter and steamfitter. Will explain to any correspondent my reason for advertising. Address, A. B., care The Florists' Exchange. SITUATION WANTED—By a German with 20 years' experience in florist business, also a good mechanic, both carpenter and steamfitter. Will explain to any correspondent my reason for advertising. Address, A. B., care The Florists' Exchange.

SITUATIONS WANTED

SITUATION WANTED—Young man, 25, single, reliable, well recommended, 12 years' experience in greenhouses and in landscape work, want position on private estate. Handles men to be employed, speaks English, German and French. State particulars. Address, F. E., care The Florists' Exchange. SITUATION WANTED—Gardener, young energetic man, 20 years of age, wishes a position as an assistant gardener on good commercial or private place, experienced in all branches of the business, is a good grafter, not afraid of work. Please state wages. Place near New York preferred. Address, K. K., care The Florists' Exchange. SITUATION WANTED—By competent, all-around man as foreman or first assistant, as a grower of cut flowers and potted plants in general, also outside gardening, 21 years' experience, 18 years of age, single man, German. Permanent position. Please state full particulars when writing. Address, E. H., Florist, 1172 Germantown Avenue, Philadelphia, Pa.

HELP WANTED

WANTED—Reliable man, grower and builder; no drinker. Myers Brothers, El Dorado, Pa. WANTED—Good, steady, single grower of chrysanthemums. Apply with references to V. C. Zwick, Bond Brook, N. J. WANTED—A good man for general greenhouse work where mostly cut flowers are grown. Apply at once. P. J. Dolansky, 255 Euclid Avenue, Lynn, Mass. WANTED—A good rose grower, single man, State experience and wages expected, good reference required. W. W. Hannell, Waterbury, N. Y. WANTED—A single man to work in greenhouse, one who has learned his trade as florist. German preferred. Address, Florist, 2923 M Street, N. W., Washington, D. C. WANTED—For retail store, good salesman or showman must be competent to take charge of sales. Address with full particulars, enclosed New York, care The Florists' Exchange. WANTED—Foreman, first class grower of carnation, chrysanthemums, Easter stock and all bedding plants, must be up-to-date in making up floral work. Address, D. Y., care The Florists' Exchange. WANTED—An experienced grower of chrysanthemums, carnations, bulbs and pot plants. Must be reliable and a hustler; one who can be depended upon. Address, Wm H. Bradbury, South Orange, N. J. WANTED—At once, a single man with experience in flowers and vegetables, also to handle hardy perennials and shrubs. State wages expected with board and room. Address, P. O. Box 626, East Hampton, L. I., N. Y. WANTED—A man who sells to florists, to push "Plant Food," the potent fertilizer as a job line. Many leading florists have had wonderful success in using it and highly recommended it, and it sells easily. Address, Ellis Brothers Company, 100 William Street, New York City. WANTED—A single man thoroughly experienced in growing carnations, chrysanthemums and general stock. Must have good references as to ability and salary. Wages, \$15.00 per week, place short distance from New York. Address with copy of references, H. H., care The Florists' Exchange. WANTED—An assistant foreman, middle aged, married man, German preferred, who thoroughly understands the growing of a general retail stock. A permanent position for a good man. Will pay \$80.00 per month to start. Unless you is a good man, don't write. The Safford Flower Shop, Poughkeepsie, N. Y.

MISCELLANEOUS WANTS

TO EXCHANGE—Robert Craig carnations in pot, for home-leaved carnations. Henshaw, Spanghord, N. J. WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange. WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, E. N., care The Florists' Exchange. WANTED TO RENT—With privilege of buying, between 15,000 feet of glass near New York or Philadelphia, with not less than five acres of land. J. J. Jones, P. O. Box 100, Jenkintown, Mont. Co., Pa. WANTED—Geraniums, Salvias and Pelonias in 2 1/2 in. and smaller sizes. Carnations, Camellias and Acazards. Plants all kinds of other plants. Send sample and price. K. J. Holliday, Patuxent, Md.

WANTED

To purchase a greenhouse plant, from five to ten thousand feet of glass, in a growing house or town within fifty miles of New York or Philadelphia, where a local market can be found for stock grown. Possibilities of about June 1. Full particulars and best cash price. Address, D. D., care The Florists' Exchange.

MANAGER WANTED

The Co-operative Flower Growers' Association at a recent meeting appointed C. F. Bertanzel, John Weston and Ernest Lawyer as a committee of three to receive applications for the position of manager. All applications must be made in writing, stating experience and salary expected. Address as early as possible. C. F. BERTANZEL, Secretary, ROSLYN, L. I.

MISCELLANEOUS

A Long Felt Want Supplied

The Greater New York Employment Agency can furnish help of all kinds for florist and greenhouse work. Any nationality. Address

A HULSEBOSCH, Prop. 51 Greenwich St., NEW YORK CITY Telephone 4839 Rector

FOR SALE OR RENT

FOR SALE—Florist store, good paying business, good location for landscape gardening. Inquire Florist, 1186 Flatbush Avenue, Brooklyn, N. Y. FOR SALE—Three greenhouses, heated by Hitehings boilers, six-roomed house, barn and three-quarter acre of land, near the Oranges, N. J. Good opportunity for retail and landscape work. For particulars, address J. A. Manda, 191 Valley Road, West Orange, N. J. FOR SALE OR LEASE—With privilege of purchase, four greenhouses, located near a flourishing town, 21 miles from New York, with two acres of fine land. Full stock of pot and bedding plants. Good trade in cut flowers and plants at the door. Inspection invited. Address, F. J., Box 93, Summit, N. J.

FOR SALE—A well established retail florist business in a live manufacturing town in South Jersey. Three houses, 3250 feet of glass. A fine opportunity for a man desiring to start in business for himself or two young men to work together. No reasonable offer refused. Best persons for sellings. For particulars address, O. O., care The Florists' Exchange.

FOR SALE—Chance of a lifetime. On account of my husband's death I desire to sell the business and property which consists of eight hothouses filled with different plants as the market here requires. Also cottage with eight rooms and barn, five acres of land in good condition, besides beds and two hot-water boilers in good condition. If interested, please address, Mrs. Hugo Book, 10 College Street, Worcester, Mass.

TO LEASE—The old well known florist establishment of E. Bendt (deceased), located at Orange and Sixth Streets, Newark, N. J., well equipped for the Spanghord trade, consisting of eight greenhouses, stone, six lots of land, wagon sheds, stable, etc., doing a profitable business. Is to be leased for a term of years to a responsible party. The establishment can be inspected at any time and full particulars can be obtained by calling or writing to E. Bendt Estate, Orange & Sixth Streets, Newark, N. J.

FOR SALE NEAR PHILADELPHIA

Nursery and florist business, convenient railroad facilities, very desirable location, greenhouses 8,000 feet of glass, nine-roomed house with all modern conveniences; stable and all outbuildings new and complete, 30 acres of land, 6 planted to ornamental shrubbery, etc.; the greenhouses are stocked with roses and other stock. Price, \$12,500. A rare chance for the right party. Write for an appointment. Trifler need not apply. Address NURSERY R. F. D. No. 5, Box 64, Norristown, Pa.

STOCK FOR SALE

ASTER PLANTS, Vick's branching Hohen-zolern. TOMATO, Earliana, 40c. per 100; \$3.50 per 1000, delivered. Edw. Wallis, Alto, N. J. ROSES, Brides and Bridesmaids, 2 1/2 in. pots, \$2.50 per 100; fine, healthy plants. Cash with order. Villa Lorraine Roseries, Madison, N. J. SALVIA ZURICH in bud and bloom, 2 in., \$4.00 per 100; 2 in., \$2.50 per 100; rooted cuttings, \$1.25 per 100. The Krueger Brothers Company, Toledo, O. MAMMOTH VERBENA SEEDLINGS for Southern trade, fine plants, 40c. per 100. John F. Sims, St. Marks, Ga. P. O. Money Office, Bogansville, Ga.

DALLIA BULBS, twenty-five choice named varieties, one-third cactus, for \$1.00; twenty choice named varieties, all cactus, for \$1.00. Catalogue free. C. Peirce, Dighton, Mass.

JAPAN IRIS (Iris Kaempferi), divided roots, 25 slips mixed, \$4.00 per 100; divided roots, 25 shoots, white, \$5.00 per 100. Large clumps, 10c. each. Wm. F. Halsey, Southampton, N. Y.

MME SALLERON GERANIUMS, in 2 1/2 in. pots, fine, bushy plants, \$25.00 per 1000. Cash with order from unknown parties. Address, French Market, 1814 Metropolitan Avenue, Middle Village, N. Y.

NEW DOUBLE LOBELIA "KATHLEEN MALLARD"—2 1/2 in., in bud, while they last, \$4.00 per 100. ENGLISH IVY, 4 in., 15c. each. Cash please. Chas. R. Butcher, Upper Montclair, N. J.

SEVERAL THOUSAND GERANIUMS, 2 1/2 in. pots, ready to shift, good bedding varieties, single and double, \$3.00 per 100. Lebanon Greenhouses, 629 Cumberland Street, Lebanon, Pa.

DOUBLE LOBELIA, Kathleen Mallard, 3 in., 2 1/2 in., 4 in., full of buds and bloom; strong cuttings, from soil, 2c. Mme. Salleron geraniums, 2 1/2 in., 2 1/2 in., reduced prices; 1 need room J. L. Stone, Trumbullburg, N. Y.

CARNATIONS, field-grown, 15,000 Enchantress and Winsor, ready for delivery July 1. Orders filled in strict rotation. Order now and be first. Prices on application. We guarantee satisfaction; we lead in superb field-grown stock. Wa-No-Ka Greenhouses, Barneveld, N. Y.

SALVIA ZURICH, strong, from soil, \$2.00 per 100. \$20.00 per 1000. Deor's Fringed Petunias, strong, from soil \$2.00 per 100; \$15.00 per 1000. Ageratum, blue, dwarf, \$1.50 per 100; \$12.00 per 1000. Sweet William, strong field clumps, \$2.50 per 100; \$25.00 per 1000. Bedding plants, all varieties, strong, in any quantity. Day View Floral Company, Southold, L. I., N. Y.

FOR SALE

FOR SALE—200 hot bed sash, size 3x6, with 10x12 lights. All glazed and in good condition. J. Spanghord, 229 Livingston Street, Newark, N. J.

FOR SALE—Tobacco dust and Tobacco Stems. Dust 100 lbs. \$2.50, in case lots; about 350 lbs., 2c. per lb. Stems, \$2.00 per bale, about 400 lbs. Cash with order. S. K. Levy, Binghamton, N. Y.

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parshey Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Relch, 1429 Metropolitan Avenue, Brooklyn, N. Y.

ALL NURSEYMEN SEEDSMEN and FLORISTS

Wishing to do business With Europe should send for the

"HORTICULTURAL ADVERTISER"

This is The British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowtham, Notts. Address

Editors of the "H. A." Chillwell Nurseries, Lowtham, Notts.

European Agents for THE AMERICAN CARNATION

FOR SALE

FOR SALE Seven greenhouses complete... Single lots 200 boxes 10x12 glass...

FOR SALE Five greenhouses, 20 x 12 1/2 ft... double black glass also double top...

FOR SALE

PIPE Good serviceable second hand with good threads and a coupling with each length...

BOILERS one 12 in grate, new round boiler, will heat 650 sq ft of glass...

ICE BOX 3 ft. wide, 8 ft. high and 2 ft. 6 in. deep, full glass front, white enameled...

WALL CASE upper part 6 ft. fancy glass doors, lower part 3 ft. six drawers, 20 in. deep...

NEW THREE PLY ROOFING guaranteed in deep, full glass front, white enameled...

SAFE about 3 ft. all around, \$25.00. GARDEN HOSE In lengths up to 500 ft. with couplings, 50 ft lengths carried in stock...

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft 8 in.; glazed complete \$1.60 up...

GLASS 8x10 single at \$1.60 per box, 10x12 and 12x12 B. double, \$2.00 per box...

PECKY CYPRESS \$25.00 per 1000. We can furnish everything in new material to erect any size house...

METROPOLITAN MATERIAL CO. Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N.Y.

RIGHT HERE IN CONNECTICUT HARDY ROSES

EXTRA FINE STOCK (LOW BUDED) \$1.25 per 10, \$11.00 per 100. Magna Charta, Baroness Rothschild, Capt Hayward, Gen. Jern...

DAHLIAS

Strong divided roots, 60c per 10, \$5.00 per 100. A. D. Livoni, Queen Victoria, White Swan, Oban, Meteor, Fascination, Mrs. Dexter, Wm. Agnew, Mrs. Miller, Elegans, Maid of Kent, C. W. Bruton.

Your order will be shipped promptly. Cash with order, please. NORTH END NURSERIES, Maple St., THOMPSONVILLE, CONN.

VIOLET CULTURE

Price, \$1.50 Postpaid. A.T. DeLa Mare Pte. & Pub. Co. Ltd., New York

Elmira, N. Y.

The Daily Advertiser of April 22 has a full page devoted to a history and description of the business of the United States Cut Flower Company...

The first fiscal year of the company ended June 1, 1905. This period covered the construction of the plant, and while construction was going on it was impossible to operate the plant and produce flowers in time for the best near lots...

The company employs no traveling salesman. Leon Compton, son of the president and manager, is in charge of the shipping department...

Credit for the development of the United States Cut Flower Company must in a large measure be given to the energy, enterprise and business ability of William R. Compton...

WORCESTER, MASS. Easter trade this year was entirely different from years heretofore. The volume of business was greater, but the receipts were much lighter, owing to the drop in price of lilies...

H. F. A. Lange had a heavy trade. All orders and shipments were made from the greenhouses, while a force of 25 was rushed night and day, and a store force of nine.

H. F. Littlefield had an enormous trade. In his branch store the sales were more than doubled over last year's. Twenty-two clerks were necessary to attend to the business...

GRAFTED ROSES

FINE STOCK, READY NOW. Killarney, Carmel, Kaiserin Augusta Victoria, Uncle John, from 2 1/2 to 3 pots, \$2.00 per dozen...

OWN ROOTS. Killarney, 2 1/2 in. pots, \$1.00 per dozen. Richmond, Uncle John, Sunrise, Sunset, Kaiserin, Pres. Carmel, from 2 1/2 to 3 pots, \$5.00 per 100...

CARNATIONS

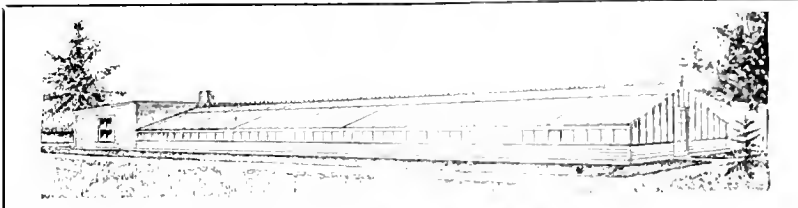
READY NOW: White Enchantress, Helen M. Gould and Beacon, Method, Golden and Estelle, Mrs. T. W. Lawson, Boston Market and Harlowarden...

CHRYSANTHEMUMS

A. J. Balfour, Autumn Glory, Ada Spaulding, Col. D. Appleton, Crema, Cullingferdii, Dr. Engelhardt, Dorothy Devens, Geo. Kallb, Glory Pacific, Harry May, H. W. Riemann, Ivory, Jennie Nonin, J. E. Lager, J. H. Troy, Mrs. H. Robinson, Mand Dean, Meta, Mrs. Jerome Jones, Miss Minnie Wanamaker, Miss Alice Byron, Mrs. Baer, Mrs. S. T. Murdock, Miss M. M. Johnson, Major Bonaffon, Mad Ferd. Bergmann, Nagoya, Niyeus, Opah Polly Rose, Pink Ivory, Robt. Halliday, Sallie D'October, Thos. H. Brown, Timothy Eaton, Vicland-Morel, W. H. Lincoln, Mrs. Robt. McArthur, Wm. Duckham, Xena, Yamora, Zimrovia, F. A. Caboull, Price from 2 1/2 inch pots, \$1.00 per 100, \$25.00 per 1000. Rooted Cuttings, \$1.50 per 100.

CANNAS Strong plants from 3 1/2 in pots (30 to 40 named varieties), \$6.00 and \$8.00 per 100.

WOOD BROTHERS, Fishkill, N. Y.



GREENHOUSE MATERIAL FURNISHED AND ERECTED. WRITE FOR PRICES. I. CASSIDY, SUMMER AVENUE AND 1711 R. R., Newark, N. J.

Lewis employed a force of eight men other than lilies, azaleas, were his leaders. Mr. Lewis was overstocked, and is reported as carrying over hundreds of lilies.

C. H. Mackie had a better clean up of plants than anyone else. He had a heavy stock which required 12 clerks to clean out.

The Boston State (Dandolin & McKay Co.) increased its force to seven. The window display of lilies and plants was the most in the city. Much credit is due Mrs. J. L. Hoyle, manager of this department.

Mrs. Fisher reports sales smaller in size this year, but more of them. She lays this to the big Chelsea (Mass.) firm a short time ago. Many of the churches bought lighter than usual, sending the money, instead, to the surf-baths.

Mrs. Hugo Book had two more lilies out of the florists at the last moment, secured in order for 200 pots.

Herman Schneider has no sales, he had a large wholesale business. As a whole none of the florists had a very complaint, the lilies and azaleas being taken into consideration.

ROONE, W. V. H. Saver, who has been in this city for some time past as manager of the Northwestern Nursery Company, has resigned his position and will in the future devote his time to the landscape business.

ASPARAGUS FIBROUS VAR.

MISCELLANEOUS PLANTS Ready for Immediate Sales. M. solum, White and Yellow, Fine and Large, Agave, etc.

VERBENAS Best Mammoth, from pots. Includes: English Ivy, Eucalyptus, Geraniums, Heliotrope, etc.

Send for catalogue

HELLO! Here Is Your Chance

GERANIUMS, HELIOTROPE, AGAVE, FICUS, EUCALYPTUS, SALVIA SPLENDENS, YELLOW DAVIES, DOUBLE WHITE PLUNIAS, FLOWERING AINCAS, PERIWINKLE, HARDY IVY, CANNAS, HYDRANGEAS, HONEYSUCKLE, DAISIES, MARGUERITE, COLIUS, AGERATUM, ADELPHANTHERAS, SHALER, LEAF GERANIUMS, CIGAR PLANTS, GROUND IVY, SMALL AYSUM, PLUNIAS, PHEON, ALBERGAS, ARTHELY, PLANTS, FORTUNA, FAVORIA, GARDNER BLOSSOM, EUCALYPTUS, WHITE PLUNIAS.

MRS. J. H. CLAUS 1119 Roy St., Philadelphia, Pa.

SEAL, HARROP, ME... THE FLORISTS' EXCHANGE.

THE WEEK'S WORK

Timme's Timely Teachings.

Azaleas.

Of hardwooded holiday plants remaining for another season in the keeping of the grower, none are more worthy of being properly cared for than azaleas. Deciduous azaleas of the pontica and other garden species fare best by being planted back in the open ground. A sheltered situation, neither too sunny nor too densely shaded, and a friable black, sandy loam on gravelly subsoil, suits all plants of this character—rhododendrons, kalmias, etc. The majority of florists, looking in vain for a place of this description about their premises, will do fairly well, and their left-over plants also, by bearing in mind what was merely intended as a hint and doing justice to the requirements of valuable stock as far as circumstances permit. Evergreen azaleas of the Chinese section remain in pots. Should some of them need transplanting it had better be attended to at once before the new growth has advanced to any great extent. Imported stock, properly planted into well-drained pots and well-firmed, good soil last Fall, standing straight, dropping no leaves, having flowered without a hitch in the perfect and uniform expansion of the buds, should not be transplanted. They should be cleaned of faded flowers, cut in here and there if out of evenly balanced form—not pruned back into graceless shape—he laid on their sides and given a hard syringing on stem and lower side of branches and foliage. A thorough cleansing of this kind takes but little time, and few are the plants among retainers of this class not greatly benefited by it. Then these azaleas should be permitted to complete their growth in an airy, light greenhouse, before being plunged in the open. Here it is of value to remember that shade preserves the fresh green of their foliage, while sunshine is the prime factor in perfect bud formation.

Bouvardias.

When root propagation has been resorted to in providing flowering bouvardias for next Fall and Winter, the young stock should now be in small pots or, if still in the sand, be ready for being potted up. Any further attempts at multiplying bouvardias by cutting up the roots of old plants after this date is slow work not often rewarded by any great yield of promising young plants. Cuttings taken from varieties that flowered last Summer or very early in the Fall, that have been rested and again started quite early into new growth, may still be rooted where in a hothouse a pretty warm propagating bed is in operation as late as this. Another opportunity for propagation by cuttings is offered in Midsummer, this mainly for stock to be flowered the following season either as bedding material or as extra large specimens for Fall and Winter bloom. Florists in following either of these methods must figure on steadily maintained heat during root formation and a shaded, fairly warm and somewhat closely kept place for at least a week after the rooted cuttings have been potted up. In the open ground during Summer even those bouvardias solely grown for their flowers in Winter attain that degree of sturdiness and vigor which the best of care cannot impart to plants continually grown in pots or under glass. Caution in not planting them out too early, or in lifting and bringing them in too late in the Fall, is necessary. Outdoor frames for the young plants before being planted out, and again in September after being lifted and potted, best serve the purpose of preparing the plants for the radical change, a course even advisable should bench culture for the mass production of cut flowers be the object. Bouvardias from now on and while in field rows must be cut in or stopped at regular intervals, be watered in dry weather and faithfully cultivated.

Peonies.

In the herbaceous plant border more or less destruction is wrought by every passing Winter, and there is need of close examination of making and correcting notes, and of a general straightening up, filling in and setting things to rights again every Spring. Cold not so much as its indirect workings and a

host of destructive agents following in its wake, such as the decay of the crowns and the drying out of the roots or loosening and upheaval of the plants and subsequent exposure, are to blame for the partial or entire loss of the stock. Late Autumn planted and insufficiently established perennials, not properly protected, suffer most, should be examined before considerable growth has been made, and if found to be lifted and loose be placed deeper, be reformed with the feet into proper position. Newly planted peonies are disturbed as much as any other plants by the action of frost in the soil, more than is generally believed, and their struggle to regain firm hold is greater, resulting in a loss of vigor easily noticeable throughout a period of years. All this loss of time toward being amply repaid by abundant crops of bloom in the near future is easily prevented, either by a good covering of the newly stocked field in the Fall or if this was not done, by righting matters in the ensuing Spring. Older plantations, fields yielding good crops annually, may now also stand in need of the grower's attention. Deep digging should never be attempted near or about established plants. The Winter mulch should be lightly forked under, the weeds be pulled from near or out of the bushes and—as it sometimes happens—if dry weather should set in while buds are forming and blooms coloring the hose should be used unsparingly.

Bedding Plants.

The growth of bedding plants now is so rapid that to afford the hundreds and thousands of the numerous kinds the proper care as called for in every instance is no easy task. Still this is of as great importance now as at any previous period in their raising. There are a few of the fastest growing annuals for which there is quite a demand every Spring, that by reason of their fast growth are among the best paying of bedders, annually offered in limited numbers by retail growers. These are started late, and a last sowing of such things as cosmos, marigold, scabiosa, zinnia, aretofis, nasturtium, balsam, stocks, bedding asters and annual pinks might still be made and result in good salable stock before the bedding season comes to a close. The more important kinds of bedding stock are now beyond their last transplanting, the greater part in 2, 3 and 4-inch pots. All these now need constant watching so as not to let them suffer for the want of water. Two-inch plants especially—and this includes all species of outdoor and indoor cut flower stock for home culture, during next Summer or Winter as also the coming season's greenhouse plants, in small pots at present—dry out remarkably fast on bright days with their full allowance of fresh air and ever thirsty roots. The proper time of day to water this sort of stock now is just as soon as it needs watering, whatever hour of forenoon or afternoon this may happen to be. While tolerably firm root balls are a desirable quality of bedding plants sold out of pots, hardened fibers or over-rootbound balls detract from their value, and this to a greater extent than any number of flowers on the plants can make amends for.

FRED. W. TIMME.

GERANIUMS Strong, pot grown. Nutt, Doyle, Bruant, \$1.20 per 100. Poitevine and Ricard, \$1.40. Extra strong 2 in. \$1.80 per 100. All thrifty, no pot bound hardwood. Get sample.

COLEUS Large, strong rooted clean, Variegated and G. Bedder, \$5.00. Fancy, very bright-est, \$4.50 per 100. Gladioli, most brilliant of all, 85c. per 100. **Bushy Plants**, Red and Yellow, 85c. Fancy, 70c. Giant, \$1.00 per 100. Fine plants **Alternantheras**, Red and Yellow and Pansies extra choice in bloom, 75c. per 100. Gladioli, blooming size \$2.50 per 1000. Cash.

DANIEL K. HERR, Lancaster, Pa.

GERANIUMS

In bloom for Easter. 4 in. pots, \$1.00 per doz., \$6.00 per 100. Cash please.

Henry Eichholz, Waynesboro, Pa.

PLANT CULTURE Price \$1.00

The best book for the Plant Grower.

A. T. DE LA MARE PTG. & PUB. CO. LTD., 2 to 8 Duane St., NEW YORK

Alternantheras

Red and yellow, 2 1/2 in. pots.....\$2.00 Per 100
COLEUS, 2 1/2 in. pots, my selection . 2.00
CANNAS, C. Henderson and 8 other varieties, my selection, 3 in. pots... 3.50
PANSY SEED, new crop. Giant flowering, oz \$4.00.
CENTAUREA Gymnocarpa 2.00

JOS. H. CUNNINGHAM, Delaware, Ohio

GERANIUMS

S. A. Nutt, John Doyle, A. Ricard, Buehner, Castellane, Jean Viaud, Beante Poitevine, 2 in. pots, \$2.00 per 100; 3 in. pots, \$3.00 per 100; 4 in. pots, \$5.00 per 100.

COLEUS Golden Bedder, Crimson Vertices, R. C., 60c. per 100; \$5.00 per 1000; 2 in. pots, \$1.50 per 100.

	100	100	100
	R. C. 2-in.	3-in.	3-in.
AGERATUM , Garney	.....\$0.50	\$1.50	
SALVIA , Bonfire	.....	.75	2.00
SWEEET ALYSSUM	.....	2.00	
HELLOTROPES	.....	.76	2.00
FUCHSIAS , 10 varieties...		2.00	\$3.00
PANSY PLANTS , \$6.00 and \$8.00 per 1000.			

ERNEST HARRIS, Delanson, N. Y.

FELTHOUSEN'S GERANIUMS

None better, if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$18.00 per 1000.

Beante Poitevine, S. A. Nutt, La Favorite, John Doyle, Richard Brett, Ricard, Bruant, General Grant, M. Canovas, Jean Viaud, Pasteurean, Laddy and several others.

FUCHSIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

HELLOTROPE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.

AGERATUM, Stella Garney, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100.

PERIWINKLE, 2 in., \$2.00; fine 4 in., \$6.00 per 100.

LOBELIA, 2 in.

ALYSSUM, Carpet of Snow and others, 2 in., \$2.00 per 100.

ENGLISH IVY, R. C. strong, \$2.00 per 100.

FEVERFEW, 2 in. strong, \$2.00 per 100.

Cash with order.

J. E. FELTHOUSEN Schenectady, N. Y.

GERANIUMS and other PLANTS

in bud and bloom

Geraniums, S. A. Nutt, Beante Poitevine, Alphonse Ricard, La Favorite, Frances Perkins, John Doyle, Jean Viaud, Marquis de Castellane, 3 1/2 in. pots, \$5.00 per 100

Rose Geraniums, 3 1/2 in. pots, \$5.00 per 100.

Ivy Geranium, double, Garden Glory, incomparable, Allos Crousse, De Brazza, 3 1/2 in. pots, \$5.00 per 100.

Fuchsiads, Snow White and Storm King, 4 in. pots, \$5.00 per 100.

Cannas, Charles Henderson, Duke, Florence Vaughan, Queen Charlotte, Egandale, Martha Washington, pink, 4 in. pots, \$5.00 per 100.

Pelargonium Victor, 3 1/2 in. pots, \$7.00 per 100.

Begonia Metallica, 3 in. pots, \$4.00 per 100.

Vinea Variegata, 3 in. pots, \$3.00 per 100.

Petunias, large flowering, 3 in. pots, \$2.50 per 100.

Verbenas, 3 in. pots, \$2.50 per 100.

Heliotrope, 3 1/2 in. pots, \$3.00 per 100.

Chinottin and Queen of Violets, \$5.00 per 100.

Vinea Variegata, Ageratum, Dwarf Blue Geraniums, Jean Viaud, La Favorite and John Doyle. Cash with order.

WM. J. CHINNICK, TRENTON, N. J.

GERANIUMS

RICARD, DOYLE, VIAUD, NUTT, 2 in. pots, \$2.00 per 100, \$18.00 per 1000.

NUTT, BUCHNER, RICARD, VIAUD, JAU-LINE, \$1.00 per 100, 3-inch pot.

Cash with order

PETER BROWN, Lancaster, Pa.

GERANIUMS

S. A. NUTT, large, well-grown plants, in bud and bloom, \$7.00 per 100, in large or small quantities, out of 3 1-2-inch pots. Cash.

STEPHEN CHASE, Nashua, N. H.

Geraniums

S. A. Nutt and 4 other varieties, 3 1/2 in. pots, fine\$4.00
 2 1/2 in. pots, fine 3.00
SEEDLING PETUNIAS, from double seed
ASPARAGUS Plumosa, 2 1/2 in. pots... 2.00
ASPARAGUS Sprengerii, 2 1/2 in. pots 2.00
PRIMROSES, 8 varieties, July 10,.... 2.00
 Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio

ALTERNANTHERAS

Strong rooted cuttings, red and yellow, 60c. per 100, or \$4.00 per 1000. **Brilliantissima**, 60c. per 100, or \$6.00 per 1000.

DAVIS BROS., Morrison, Ill.

VIOLETS

Strong, healthy rooted runners of Lady Campbell and California, \$1.00 per 100; \$6.00 per 1000. Fine sand-rooted cuttings of Lady Campbell, \$1.00 per 100; \$7.00 per 1000. None but healthy, well-rooted plants sent out. A full stock of field-grown plants of the above ready in August.

Address, CHARLES BLACK, Hightstown, N. J.

VIOLETS

PRINCESS OF WALES

All frame-grown. Our violets brought highest prices in Boston Market at Easter.

\$5.00 per 100 clumps.

E. WINKLER, Wakefield, Mass.

PANSIES

Giant flowering, none better, \$2.50 per 1000.

DAISIES, Bellis, in bloom, \$1.25 per 100; \$10.00 per 1000. Plants that will bloom soon, \$2.50 per 1000.

Stocks, Verbenas, Salvias, Dusty Miller, Alyssum, single and double, fine plants, out of 2 1/2 in. pots, \$2.00 per 100; \$15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

PANSY PLANTS

Of my largest flowering mixture of show varieties, unsurpassed quality. Strong plants, out of cold-frame, will bloom by May 1, \$3.00 per 1000; 6000 lots, \$2.50 per 1000. Fine transplanted blooming plants, \$1.25 per 100, \$10.00 per 1000; 500 at 1000 rate.

BELLIS (daisies), in red and white, \$2.00 per 1000.

GUSTAV PITZONKA, Bristol, Pa.

PLANTS FOR 2cts.

Asparagus Sprengerl, 2 in., 2c. Swainsona alba, 2 in., 2c. Feverfew, Heliotrope, Cuphea, Coleus, White Ageratum, 2 in., 2c. FEVERFEW, double white, nice young plants, 75c. per 100

SINGLE HOLLYHOCKS, field, 3 1/2c.

ASTERS, Lavender, 40c. per 100.

Vinea var.; Alternanthera, red and yellow; Stock Princess Alba, 2 in. 2c.

Forget-me-nots, Double Daisies, \$2.50 per 1000.

Wallflowers, Digitalis, Campanula, field 1c.

Rooted Cuttings below prepaid per 100

Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c.; Heliotrope, 3 kinds, \$1.00; Vinea Variegata, 90c.; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Alexandra, \$1.25.

Flowering Begonias, \$1.25. Coleus, 10 kinds, 60c.; Ageratum, Immitable, white, 60c.; Alternanthera, 3 kinds, 60c.; Salvia, Bonfire, 90c.; Feverfew, Gem, \$1.00; Parlor Ivy, 75c.

Cash or C. O. D.

BYER BROS., CHAMBERSBURG, PA.

GERANIUMS

2 in. S. A. Nutt, \$20.00 per 1000; \$2.25 per 100; rooted cuttings, \$12.00 per 1000; \$1.25 per 100. **VARIEGATED VINCA**, rooted cuttings, \$10.00 per 1000. Cash with order.

S. N. PENTECOST

1790-1810 East 101st St., CLEVELAND, O.

VIOLETS

A good time to get stock for early planting **Process** of Wales, the very best single violet to-day, well rooted runners and divisions \$1.00 per 100, \$8.00 per 1000; 2000 for \$16.00. If ordered by mail remit stamps for postage.

P. M. DE WITT, Bridgewater, Pa.

Flower Show at Massachusetts Agricultural College.

The exhibition of flowers and plants at the Massachusetts Agricultural College, Friday, April 21, and Saturday, April 25, was the finest held in this vicinity for several years.

F. R. Pierson Company, Tarrytown, N. Y.—White Enchantress, Victory, Melody, Winsor, White Perfection, Beacon.

William Nicholson, Framingham, Mass.—Fifty blooms Afterglow.

W. A. Manda, South Orange, N. J.—Pink Pearl, a new seedling; also a new seedling of hardy dianthus, specimens of his Cherokee roses and green rose.

Peter Fisher, Ellis, Mass.—Alma Ward, Winsor, Snowflake, Rose Pink Enchantress, Beacon, Mrs. Tom Harvey, Evangeline, White Perfection, Mrs. C. W. Ward, Enchantress; also four seedlings under number.

S. J. Goddard, Framingham, Mass.—Helen Goddard, Winsor, Victory, Britannia, White Perfection, Octoroon, Lady Bountiful, Enchantress.

Patten & Company, Tewksbury, Mass.—Helen Goddard, Harry Penn, Octoroon, Victory, Joseph H. Manley, Winsor, Variegated Lawson, Beacon, Red Lawson, Pink Patten, White Lawson, White Perfection and Enchantress; also eight seedlings under number.

H. H. Rogers, South Sudbury, Mass.—Mrs. T. W. Lawson, Fair Maid, Winsor, The Queen, and three seedlings under number.

H. W. Field, Northampton, Mass.—Viola Sinclair, Prosperity, Enchantress, President Seelye carnations; Bride, Bridesmaid, Richmond and General MacArthur roses; pansies, nasturtiums and sweet peas.

J. W. Adams & Company of Springfield sent fifty Prosperity.

Peirce Brothers, Waltham, Mass.—Mrs. T. W. Lawson, Governor Guild seedling, Enchantress, Rose Pink Enchantress, White Perfection.

The Cottage Gardens Company, Queens, N. Y.—President, Snowflake, Beacon, Mrs. C. W. Ward, Alma Ward, Mrs. Tom Harvey.

William Sim, Cliftondale, showed splendid specimens of the following sweet peas: Mrs. William Sim, Le Marquis, Mrs. F. J. Dolansky, Mrs. Alexander Wallace, Jack Hunter, Christmas Captain, Christmas Pink, Mrs. W. W. Smalley, Florence Denzer.

Especially admired was a vase of thirty magnificent, long-stemmed American Beauty roses from the Waban Rose Conservatories; also Killarney and Richmond.

A. N. Pierson, Cromwell, Conn., sent fine Bride, Bridesmaid, Killarney, Mme. Abel Chateau and Richmond roses.

The Massachusetts Agricultural College devoted one room to named specimens of decorative foliage plants.

Friday afternoon G. H. Sinclair of Northampton addressed the students of the horticultural seminar on the subject of "The Carnation: its Culture and Development."

ROOTED CUTTINGS PREPAID PER 100

HELIOTROPE, Blue, GERMAN IVY, 75c. ALTERNANTHERA, best Red and Yellow, 50c.; \$4.50 per 1000 (not prepaid). FUCHSIA, five finest kinds, \$1.00. AGERATUM, Gurney and Pauline; COLEUS, best bedders, 60c.; \$3.00 per 1000 (not prepaid). SALVIA Bonfire and Splendens, 85c. FUCHSIA, five finest kinds, 2 in. 1 1/2c. each, Cash. Shippensburg Floral Co., Shippensburg, Pa.

JOHN E. HAINES BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908: John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000 Place orders early for December delivery.

LOOK HERE

CARNATION CUTTINGS out of soil.

Table listing carnation cuttings: Lady Bountiful, Enchantress, Queen Louise, Harlowarden, Fair Maid, Lawson. Prices range from 2.00 to 2.50 per 1000.

POINSETTIA, stock plants for sale, all sizes. Brides and Maids, own roots, 2 1/2 and 3 in., \$5.00 and \$6.00 per 100. Grafted Brides, Maids, Killarney, Richmond, 2 1/2 in., \$10.00 per 100.

JAMES E. BEACH, 2019 Park Ave., Bridgeport, Conn.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.

White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000. Queen, Bleton Market, Pink Lawson, H. Goddard, \$1.50 per 100; \$15.00 per 1000. Victory, \$3.00 per 100; \$25.00 per 1000. Craig, \$2.50 per 100; \$20.00 per 1000. Cardinal, \$2.00 per 100; \$17.50 per 1000. Harlowarden, \$1.50 per 100; \$15 per 1000. Enchantress, \$2.00 per 100; \$18 per 1000. White Perfection, \$2.50 per 100; \$22.50 per 1000.

Cash with order or satisfactory references SMITH & GANNETT, Geneva, N. Y.

CARNATIONS

3000 ENCHANTRESS, out of soil, \$3.00 per 100, \$15.00 per 1000.

QUIDNICK GREENHOUSES, Quidnick, R. I. Anthony P. O. J. H. CUSHING, Prop.

Jensen & Dekema CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO

CARNATION CUTTINGS AND PLANTS

ONLY THE BEST VARIETIES SEND FOR OUR LIST Chicago Carnation Co. A. T. PYFER, Mgr. JOLIET, ILL.

CARNATIONS

White Enchantress, Beacon, Winsor Now Ready. Strong rooted cuttings. \$6.00 per 100, \$50.00 per 1000.

S. S. SKIDELSKY 1741 No. 18th St., PHILADELPHIA

CARNATIONS ROOTED CUTTINGS

Table listing carnation rooted cuttings: Queen, Harlowarden, Lady Bountiful, Enchantress, Rose Pink Enchantress, Pink Imperial. Prices range from 1.00 to 6.00 per 100.

S. G. BENJAMIN, FISHKILL, N. Y.

AFTERGLOW

Strong Rooted Cuttings now ready \$12.00 per 100; \$100 per 1000.

R. WITTERSTAETTER (Originator) Station F. - - CINCINNATI, O.

PLANT CULTURE PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO., 2 Duane Street, New York

CHRYSANTHEMUMS 100,000 Plants, now ready in 2 1/2 in. pots of all the novelties and standard varieties. The best American and Australian seedlings, and a complete list of the new singles. ROSES Rhoe Reid and Mrs. Jardine, \$4.00 per dozen; \$30.00 per 100. Grafted Brides, Maids, Richmond, Killarney, \$12.00 per 100; \$100.00 per 1000. Own root Brides and Maids, 2 1/2 in., \$3.00 per 100; \$25.00 per 1000. BEGONIA Gloire De Lorraine, \$15.00 per 100; \$145.00 per 1000. CHAS. H. TOTTY, Madison, N. J.

CHRYSANTHEMUMS WHITE 100 W. H. Chadwick \$2.00 White Bonnaffon 1.50 October Frost 1.50 Estelle 1.50 Clementine Tousef 1.50 Jeanne Nonin 1.50 YELLOW 100 Golden Chadwick \$2.00 Major Bonnaffon 1.50 October Sunshine 1.50 Monrovia 1.50 PINK Dr. Enguehard \$1.50 Glory of Pacific 1.50 A. F. LONGREN, Satisfaction Guaranteed Desplaines, Ill

Carnation Cuttings

Table listing carnation cuttings: White Enchantress, Winsor, Pink Imperial, White Perfection, Enchantress, SCOTTII FERN, SCOTTII and WHITMANI and BOSTON. Prices range from \$1.25 to \$5.00 per 100.

LARCHMONT NURSERIES LARCHMONT, N. Y.

CARNATIONS

Large stock on hand. Strictly first-class and healthy. Satisfaction guaranteed. Samples free.

Table listing carnations: Perfection, Victory \$2.75 \$25.00 Bountiful 2.50 20.00 W. Lawson, Enchantress 2.00 18.00 P. Lawson 1.80 15.00 Queen, Boston Market, Harlowarden 1.50 15.00

Add 50c. per 100, to the per 100 price for April and May delivery from 2 in. pots.

A. A. GANNETT GENEVA, N. Y.

CARNATIONS

From and April 1st. Net per 100

Table listing carnations: 500 Queen \$1.75 1200 Harlowarden 1.75 250 Genevieve Lord 1.75 From 2 1/2 inch pots early in April. 1800 Genevieve Lord 2.00 (800 ready now) 400 Aristocrat 6.00 3000 The Queen 2.00 500 Harlowarden 2.00 900 Prosperity 2.00

THE H. WEBER & SONS CO., Oakland, Md.

BOOKS

Table listing books: GARDENER'S ASSISTANT, \$15.00 Write for Prospectus VIOLET CULTURE, 1.50 THE HEATHER, 1.50 AMERICAN CARNATION, 3.50 PLANT CULTURE, 1.00 HOUSE LANTS, cloth 1.00 " " paper .50 RESIDENTIAL SITES, 2.50 TELEGRAPH CODE, 2.50 Book of Water-Gardening 2.50 A. T. De La Mare Ptg. and Pub. Co. Ltd., N. Y

CHRYSANTHEMUMS ELEGANT ROOTED CUTTINGS

Table listing chrysanthemum rooted cuttings: Jones, white \$1.75 \$15.00 Ivory, white 1.75 15.00 Bonnaffon, yellow 1.75 15.00 Golden Wedding, yellow 1.75 15.00 Maud Dean, pink 1.75 15.00 2 1/2 in. plants, \$20.00 per 1000. Giant White DAISIES, \$1.75 per 100. We guarantee to give satisfaction or money refunded. Cash with order or satisfactory references MILBROOK LEA GREENHOUSE CO., West Whiteland, Pa.

CHRYSANTHEMUMS 2 1/2 inch NOW READY

NEW: Clay Frick, Hankey, Golden Dome, Winter Cheer, Alice Roosevelt, Mme. Rosette, Moneymaker, \$5.00 per 100. STAND-ARD: P. Rose, Oct. Frost, Tousef, Wana-maker, both Chadwicks, both Eatons, Enguehard, Monrovia, Appleton, both Bonnaffons, Nonin, Duckham, Mrs. Duckham, etc. \$3.00 per 100. Cash with order. Have on hand very many kinds not listed above. Catalogue. HARLOWARDEN GREENHOUSES, Greenport, N. Y.

20,000 CHRYSANTHEMUMS Rooted Cuttings Now Ready.

WHITE—Timothy Eaton, Mrs. Geo. S. Kolb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Tousef, Jeannette Nonin. PINK—Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere. YELLOW—Major Bonnaffon, Cremo, Robt. Halliday, "Baby," small yellow. \$2.00 per 100; \$15.00 per 1000. Cash with order.

WM. SWAYNE, P. O. Box 226, Kennett Sq., Pa.

CHRYSANTHEMUMS

For Every Purpose. A card will bring our Illustrated 1908 Catalogue.

ELMER D. SMITH & CO., Adrian, Mich. Successors to Nathan Smith & Son.

Chrysanthemum Rooted Cuttings

MONROVIA, MAUD DEAN and J. NONIN. Rooted Cuttings for March delivery. \$1.50 per 100.

ANTON C. ZVOLANEK, ROUND BROOK, N. J.

CARNATIONS

WINONA. The true pink. \$12.00 per 100; \$100.00 per 1000.

Table listing carnations: Red Chief \$5.00 \$50.00 Aristocrat 6.00 50.00 Winsor 6.00 50.00 Beacon 6.00 50.00 White Perfection 3.00 25.00 Rose Pink Enchantress 3.00 25.00 Enchantress 3.00 25.00 Lady Bountiful 3.00 25.00

F. DORNER & SONS CO. LAFAYETTE, IND.

REVIEW OF THE MARKET

NEW YORK. The cut flower market... what may be called in a flooded condition. There is too much stock available...

Lilies are still a glut and can be bought at anywhere from \$2 to \$4 per 100. The last named genus is applicable chiefly where a few dozens are used...

With the month of May just beginning, a month which to the superstitious is supposed to be an unlucky one for weddings...

By Wednesday morning stock had accumulated to such an extent that some of the best carnations in the market were sold at \$7.50 per 1000.

PHILADELPHIA. The cut flower market is still unsatisfied, stock is moving very slowly. There seems to be an overproduction of white carnations...

INDIANAPOLIS. No heavy movements have occurred in the flower market during the past week. Funeral work seems to be the industry of the retailer...

DAVENPORT, IA. John T. Tench says Easter trade was about as large as last year's, not as large orders, but more of them people...

LINCOLN, NEB. Easter is now a thing of the past. The weather was fine and there was plenty of stock in fact...

CHICAGO. The market is in a demoralized condition. Much more stock is arriving than can possibly be sold, consequently there is no bottom to anything...

BOSTON. There is little doing, and were it not for the fact that the flowers are not reasonable the conditions in this city are almost that of Midsummer dullness...

ST. LOUIS. Ever since Easter the cut flower trade both wholesale and retail has been exceptionally slow. Some of our leading retailers say they never saw business so inactive as it was the past week...

ST. PATRICK. The cut flower trade both wholesale and retail has been exceptionally slow. Some of our leading retailers say they never saw business so inactive as it was the past week...

LATE EASTER REPORTS

LOWVILLE, N. Y. The past Easter was the best I have had since I started in business here - W. R. KEAY.

VICTORIA, B. C. Easter trade in comparison with last year was larger in volume but prices were lower. There was nothing special to note. The supply of stock was about equal to the demand...

NEW BEDFORD, MASS. Everyone is well satisfied with the Easter trade of 1908. About everything salable was cleaned up with prices fairly good...

LEITCH, MOUNTAIN STATE. NEW BEDFORD, MASS. Everyone is well satisfied with the Easter trade of 1908. About everything salable was cleaned up with prices fairly good...

TOLLEDO, O. The Easter business was most satisfactory to everyone here. The growers cleaned up nicely, every pot plant that showed a semblance of a flower...

ROME, N. Y. Easter trade was better this year than last. Lilies were good, but were short. Carnations were plentiful and good. Roses all sold at good prices...

ST. PAUL. The biggest holiday of the year in the florist's calendar has passed once more and a review of trade conditions at this time is interesting. The rain struck Minnesota on Good Friday...

ETTERA, N. Y. Easter trade from all sources is reported as having been very good, in fact much better than expected. Lilies were in plenty but of a rather short growth...

CHARLESTON, W. VA. Easter trade was about equal to that of last year. There was a decided falling off in the 25c and 50c pot sales...

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BUFFALO, N. Y. The business for Easter in Buffalo was up to the standard as far as work was concerned, but it will be many years before the florists in the United States will be able to get prices similar to those for Easter 1907...

W. J. Palmer & Son report good sales in everything in their good assortment in the plant line. This firm sold 50,000 violets alone. Roses had fair sales, prices ranging from \$2 to \$12 per dozen...

ST. PAUL. The biggest holiday of the year in the florist's calendar has passed once more and a review of trade conditions at this time is interesting. The rain struck Minnesota on Good Friday...

ETTERA, N. Y. Easter trade from all sources is reported as having been very good, in fact much better than expected. Lilies were in plenty but of a rather short growth...

CHARLESTON, W. VA. Easter trade was about equal to that of last year. There was a decided falling off in the 25c and 50c pot sales, as the poorer class of people did not have the money to buy them...

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J. K. ALLEN
Wholesale
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Consignments solicited. Out-of-town orders
carefully attended to. Give us a trial.

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CONSIGNMENTS SOLICITED.
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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Consignments of first class stock solicited.
Prompt returns.
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PHONES. 1664--1665 MADISON SQUARE
ENOUGH SAID

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AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street - - - NEW YORK

Wholesale Prices of Cut Flowers, New York, April 29, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special.....	8.00 to 10.00	Carnations	Inf'r grades, all colors.....	.50 to 1.00
	" extra.....	5.00 to 8.00		White.....	.75 to 1.00
	" No. 1.....	4.00 to 5.00		STANDARD Pink.....	.75 to 1.00
	" No. 2.....	2.00 to 3.00		VARIETIES Red.....	.75 to 1.00
	" No. 3.....	to 1.00		Yel. & Var.....	.75 to 1.00
	Bride, Maid fancy-special.....	4.00 to 6.00		" FANCY-- White.....	1.00 to 2.00
	" extra.....	2.00 to 3.00		("The highest grades of standard var) Pink.....	1.00 to 2.00
	" No. 1.....	1.00 to 2.00		" Red.....	1.00 to 2.00
	" No. 2.....	to 1.00		" Yel. & Var.....	1.00 to 2.00
	Golden Gate.....	1.00 to 6.00		" NOVELTIES.....	2.00 to 3.00
RICHMOND.....	1.00 to 10.00	GARDENIAS, per doz.....	1.00 to 3.00		
Mme. Ahel Chataenay.....	1.00 to 6.00	LILAC, per bunch.....	.25 to .50		
ADIANTEM.....	.50 to .75	LILIES.....	2.00 to 4.00		
CHROMEAUM.....	1.00 to 1.50	LILY OF THE VALLEY.....	1.00 to 2.00		
ASPARAGUS.....	25.00 to 50.00	MIGNONETTE.....	1.00 to 2.00		
" Plumose, bunches.....	15.00 to 25.00	NARCISSUS (Paper White).....	to .50		
" Sprenger, bunches.....	15.00 to 25.00	" Yellow.....	to 1.00		
" 	to	" PORTICUS.....	to .50		
CALLAS.....	3.00 to 4.00	SMILAX.....	8.00 to 10.00		
CATTLEYS.....	40.00 to 75.00	VIOLETS.....	.15 to .25		
CYPRIPIDIUMS.....	5.00 to 8.00	ANTIRRHINUM (per bunch).....	.75 to 1.00		
DAISIES.....	.75 to 1.00	SWEET PEAS (per doz. bunches).....	to		
FREESIA, per bunch.....	.10 to .20	TULIPS.....	.25 to .75		
			1.00 to 2.00		

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Liberty,
Lilies, Lily of the Valley, Carnations
Telephone, 1998
Madison Square **JOHN I. RAYNOR**, 49 WEST 28th ST., NEW YORK

Edw. C. Horan
55 West 28th St., NEW YORK
TELEPHONE, 1462-1463
MADISON SQUARE CUT FLOWERS AT WHOLESALE

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Opposite New York Cut Flower Company

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Wholesale Florists
54 West 28th Street New York
Telephone 1539 Madison Square
Consignments of Choice Cut Flowers Solicited
Prompt Payments. Give Us a Trial

Trade Notes.
We are drifting along at the regular election year speed, and are thankful for the spurts caused by large funeral orders last week. Bulbous flowers help to glut the market, still we do not complain.

A more cheerful report comes from the outdoor men and we are glad to see a most prosperous season for nurserymen and landscape gardeners.

The suggestions of Park Commissioner Breitmeyer for a systematic battle against scale are being carried out; several men are inspecting trees and shrubs in public as well as private places and all infested shrubs and trees are thoroughly sprayed.

The work of the City Service League, to improve the yards and streets of the city, meets with general approval. Local papers have opened their columns for discussions on the subject of planting shrubs and seeds. This is supplemented by published drawings from William Dilzer showing how to plant city lots. Frank Danzer is drawing plans, showing how a city lot can be improved for a small amount. These latter cover a series of plans, the suggested improvements starting with an outlay of \$2 and finishing with an outlay of \$50. Follow this up in your city; it all helps to make our labors more appreciated. FRANK DANZER.

LOWELL, MASS. Richard A. Griffiths, the Central street florist, has been named by Mayor Farnham to be a trustee of public burial grounds for a term of five years commencing with the ninth of the current month. Mr. Griffiths has served a year as a member of the commission, having been appointed by Mayor Farnham for the short term a year ago when the commission succeeded the old board of trustees in the management of the Edison and other public burial grounds. Mr. Griffiths was a member of the old board, having been appointed a trustee in 1906 by former Mayor Crosby.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia
 1608 to 1620 LUDLOW STREET
 Store Open 7:30 A. M. to 8 P. M.

After Easter Weddings
 Pink, White & Lavender **SWEET PEAS** 75c & \$1.00 per 100
VALLEY, very choice, \$4.00 per 100; \$30.00 per 1000
SPECIAL BEAUTIES
 \$3.00 per doz.; \$20.00 per 100

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The Largest Supply in Philadelphia. All the leading varieties at attractive prices.

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CARNATIONS A SPECIALTY CARNATIONS ROSES VIOLETS, VALLEY.
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 And all kinds of Seasonable Flowers.
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 WHOLESALE FLORISTS
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 High Grade Cut Flowers
 Store opens at 7:30 A. M. Closes at 8 P. M.
GROW MUSHROOMS
 If you do not know how, procure that simple but complete and practical book called "How to Grow Mushrooms." The price is ten cents and it can be secured from this office. Special rates will be made to the trade who wish to supply their customers.
THE FLORISTS' EXCHANGE
 2 Duane St., New York
THE AMERICAN CARNATION
 Price, \$3.50
 A. T. DE LA MARE PTG. & PUB. CO LTD

Philadelphia.
Trade News.
 Mrs. John A. Claus, 1959 Germantown avenue, has a very attractive stock and says she did a very good business Easter week. Mrs. Claus has recently become a member of an association made up of Kensington merchants for the promotion of "home trade" and says that it is helping business along very nicely, as the local people are buying more goods in Kensington than formerly. She has four greenhouses from which she does a wholesale business.
 Henry Meyn, 2045 Germantown avenue, says he is not complaining, as just at this time he is kept very busy making designs. Some very nice pieces were shown awaiting delivery.
 Thomas E. Henry, 2223 Germantown avenue, had a very good Easter trade in plants, although cut stock went fast also.
 August Muller, 217 South Eighth street, has a splendid display of plants and is doing a fair business.
 In the public parks and city squares the flower beds are abloom with hyacinths, tulips and daffodils, very prettily arranged in harmonious design, the work of City Forester Lewis. The bulbs used were furnished the city by the Henry F. Mitchell Company, the number being over 135,000.
 J. W. Koch, formerly paying teller with the Third National Bank of this city, is now in charge of the P. B. Mingle & Company seed store, 103 Market street. This store is over 75 years old and for a number of years was run by Mr. Koch's father. Mr. Koch says the present selling price of \$13 per bushel for clover seed is the highest known since the wartime price.
 Walter P. Stokes, 219 Market street, was one of the local men to take the jaunt to Washington last week to see Mr. Mann.
 Wm. J. Baker, 1432 South Penn Square, has a very attractive stock of cut flowers, but says that business is not as good as he would like to see it and that it does not compare with that of last year.
 Edward Reid, 1526 Ranstead street, is showing some fine roses and sweet peas. Mr. Reid appears to get a good share of the going trade.
 John McIntyre, 1601 Ranstead street, seems to have the happy gift of telling in advance just what kind of stock to handle, and this has always resulted in a good business, both for the shipper and himself. At this time he has a quantity of lilac and is also showing some splendid sweet peas in all colors.
 The Philadelphia Flag Company, located at 1027 Ridge avenue, is making a specialty of florists' felt and gold letters for design work. These letters run from one-half inch up to the larger sizes. L. C. Hall says they have sold more of this class of work this season than ever before.
 The seed store of Robert Enist Company, South Front street, is receiving a number of good orders from out-of-town people for garden seeds. The firm is doing more business than ever before at this season of the year.
 Berger Brothers Company, 1305 Filbert street, is having a fair trade at this time. The stock shown here is very good.
 P. M. R.

Wholesale Prices of Cut Flowers—Per 100

Boston Apr. 27, 1908	Buffalo Apr. 29, 1908	Detroit Apr. 27, 1908	Cincinnati Apr. 27, 1908	Baltimore April 22, 1908	NAMES AND VARIETIES	Milwaukee Apr. 25, 1908	Philadelphia Apr. 28, 1908	Pittsburg Apr. 27, 1908	St. Louis Apr. 27, 1908
20.00 to 30.00	30.00 to 35.00	20.00 to 25.00	to	to	A. BEAUTY , fancy-special	to 25.00	20.00 to 25.00	20.00 to 25.00	30.00 to 35.00
10.00 to 20.00	20.00 to 30.00	18.00 to 20.00	20.00 to 30.00	to	" extra	12.00 to 15.00	15.00 to 20.00	12.00 to 15.00	20.00 to 25.00
4.00 to 10.00	8.00 to 10.00	15.00 to 18.00	10.00 to 20.00	to	No. 1	6.00 to 8.00	10.00 to 15.00	6.00 to 8.00	10.00 to 15.00
1.00 to 4.00	3.00 to 8.00	3.00 to 6.00	to	to	Onils and ordinary	2.00 to 4.00	3.00 to 8.00	to	4.00 to 8.00
6.00 to 8.00	8.00 to 10.00	to	4.00 to 5.00	8.00 to 10.00	BRIDE, MAID , fancy-special	to 6.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
3.00 to 6.00	to 5.00	6.00 to 8.00	3.00 to 4.00	7.00 to 8.00	" extra	to 4.00	4.00 to 6.00	to 6.00	4.00 to 5.00
1.90 to 3.00	to 6.00	4.00 to 6.00	to 2.00	6.00 to 7.00	No. 1	to 3.00	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00
to	to 3.00	2.00 to 4.00	to 1.00	4.00 to 5.00	No. 2	to 2.00	2.00 to 3.00	to 2.00	to 2.00
to	to 6.00	to	to	5.00 to 10.00	GOLDEN OATE	to 2.00	2.00 to 3.00	to 2.00	2.00 to 5.00
2.00 to 8.00	3.00 to 7.00	3.00 to 8.00	to	6.00 to 10.00	K. A. VICTORIA	4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	2.00 to 5.00
to	to 3.00	to 8.00	to	to 4.00	LIBERTY	4.00 to 6.00	5.00 to 15.00	4.00 to 6.00	to
to	4.00 to 7.00	3.00 to 8.00	to	to 6.00	PERLE	2.00 to 4.00	to 4.00	4.00 to 6.00	to
to 50.00	60.00 to 75.00	50.00 to 75.00	to	to 1.00	ORCHIDS—Cattleyas	to	50.00 to 65.00	to	to
1.00 to 2.00	1.50 to 2.00	to	to 50	to 1.00	inferior grades, all colors	1.00 to 1.50	1.00 to 1.50	to 1.00	1.50 to 2.00
1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	1.00 to 1.50	2.00 to 2.50	Standard	1.00 to 1.50	1.50 to 2.00	to 1.50	1.50 to 2.00
1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	1.00 to 1.50	2.00 to 2.50	White	1.00 to 1.50	1.50 to 2.00	to 1.50	1.50 to 2.00
1.00 to 2.00	to	to	1.00 to 1.50	2.00 to 2.50	Pink	1.00 to 1.50	1.50 to 2.00	to 1.50	1.50 to 2.00
1.00 to 2.00	to	to	1.00 to 1.50	2.00 to 2.50	Red	1.00 to 1.50	1.50 to 2.00	to 1.50	1.50 to 2.00
2.50 to 3.00	2.00 to 3.00	1.50 to 2.00	1.00 to 1.50	3.00 to 4.00	Yellow and var.	1.00 to 1.50	1.50 to 2.00	to 1.50	1.50 to 2.00
2.50 to 3.00	2.00 to 3.00	1.50 to 2.00	1.00 to 1.50	3.00 to 4.00	White	2.00 to 3.00	2.00 to 3.00	to 2.00	2.50 to 3.00
2.50 to 3.00	2.00 to 3.00	1.50 to 2.00	1.00 to 1.50	3.00 to 4.00	Pink	2.00 to 3.00	2.00 to 3.00	to 2.00	2.50 to 3.00
2.50 to 3.00	2.00 to 3.00	1.50 to 2.00	1.00 to 1.50	3.00 to 4.00	Red	2.00 to 3.00	2.00 to 3.00	to 2.00	2.50 to 3.00
to	to 3.00	to	1.00 to 1.50	3.00 to 4.00	Yellow and var.	2.00 to 3.00	2.00 to 3.00	to 2.00	2.50 to 3.00
to	to 7.00	to	to	to 1.00	CARNATIONS	to	to	to	to
.75 to 1.00	.50 to 1.50	.75 to 1.50	to	to 1.00	Novelties	to 1.00	1.00 to 1.50	1.25 to 1.50	to 1.00
to 50.00	50.00 to 60.00	35.00 to 50.00	25.00 to 35.00	25.00 to 50.00	ADIANTUM	20.00 to 30.00	35.00 to 50.00	50.00 to 60.00	to 25.00
to 50.00	25.00 to 50.00	30.00 to 50.00	25.00 to 35.00	25.00 to 50.00	ASPARAGUS , Plum. and Tea	20.00 to 30.00	35.00 to 50.00	30.00 to 50.00	25.00 to 35.00
6.00 to 8.00	8.00 to 10.00	12.50 to 15.00	to 10.00	8.00 to 10.00	Sprenger, bunches.	8.00 to 10.00	8.00 to 15.00	to	10.00 to 12.50
to	to	to	to	to	CALLAS	to	to	to	to
to 1.00	1.00 to 2.00	to	to	to	CHRYSANTHEMUMS	to	to	to	to
to	to	to	to	to	DAISIES	to 40	1.00 to 1.50	.75 to 1.50	to
6.00 to 8.00	8.00 to 10.00	12.50 to 15.00	to 10.00	10.00 to 12.50	GLADIOLUS	to 8.00	5.00 to 10.00	to	to 7.50
1.00 to 3.00	2.00 to 4.00	3.00 to 4.00	1.00 to 3.00	3.00 to 4.00	LILIES	8.00 to 10.00	10.00 to 15.00	6.00 to 8.00	10.00 to 12.50
to 1.00	2.00 to 4.00	2.00 to 4.00	to	to	LILY OF THE VALLEY	to 2.00	2.00 to 4.00	2.00 to 4.00	to
to	to 15.00	to 15.00	to 10.00	15.00 to 20.00	MIGNONETTE	to 3.00	1.00 to 3.00	2.00 to 4.00	to
.50 to .75	.60 to .75	.50 to 1.00	to	.50 to .75	SMILAX	to 15.00	15.00 to 20.00	to 15.00	to 12.50
to	to	to	to	to	VIOLETS	to	.50 to 1.00	.25 to .50	to

BOSTON, MASS.
WELCH BROS.
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CITY HALL CUT FLOWER MARKET
 226 Devonshire Street.
 Carnots Orchids Valley Carnations Violets
 Can furnish at short notice. Price according to quality of goods. Long Distance Telephone 6267 and 6268

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 WHOLESALE FLORISTS
 222 Oliver Ave., Pittsburg, Pa.

EDWARD REID
 Wholesale Florist
 1526 Ranstead St., PHILADELPHIA
 Bet. Market and Chestnut Streets.
 CHOICEST STOCK ALWAYS ON HAND
 Telephone: 1-42-26-A.

BATAVIA, N. Y.—As a result of a visit to Batavia of C. E. Laney, of the Park Commission of Rochester, in company with Nelson Bogue, nurseryman, the Board of Aldermen will have an offer from Mr. Bogue, that, if it will turn over the Court House park to him, he will park it and set it out with shrubs and flowers and care for it for three years without expense to the village. It is thought that the board will accept the generous offer.
WHITE PLAINS, N. Y.—H. L. Frost & Company of this place and Arlington, Mass., are "landscape foresters and entomologists" of 12 years' experience. They have a field force of 250 men, their work being to save trees from the ravages of insect pests and fungous diseases.

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E. G. HILL CO. Wholesale Florists RICHMOND, INDIANA

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ST. PAUL, MINN. Send us your Orders for delivery in the Northwest, which will have our best attention. L. L. MAY & CO., Florists, St. Paul, Minn.

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VAUGHAN & SPERRY Wholesale Florists Valley, Carnations and Roses 58-60 WABASH AVE., CHICAGO

E. H. HUNT The Old Reliable FOR CUT FLOWERS AND SUPPLIES 76-78 Wabash Ave., CHICAGO

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HOLTON & HUNKEL CO. Wholesale Florists and Florists' Supplies Manufacturers of WIRE DESIGNS 457 Milwaukee St., MILWAUKEE, WIS. Phone, MAIN 874. P. O. Box 103

J. A. BUDLONG 37-39 Randolph Street, CHICAGO. Wholesale CUT FLOWERS

Wholesale Prices of Cut Flowers, Chicago, April 29th, 1908 Prices quoted are by the hundred unless otherwise noted

Table with columns for ROSES (American Beauty) and CARNATIONS (Standard, Varieties, Fancy, etc.) listing prices per dozen.

CHAS. W. MCKELLAR ORCHIDS FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS 51 Wabash Ave., Chicago

A. L. RANDALL CO. Western Headquarters for Up-to-Date Florists' Supplies Write for Catalogue Nos. 19-21 RANDOLPH ST., CHICAGO

This week to arrange for the club annual outing, which is to take place some time in July. They are to report the arrangements at the next meeting, Thursday, May 11. St. PATRICK.

Toledo, O. Club Outings.

Our club has had two most enjoyable outings of late. A few weeks ago we took a trip to Clyde, O., to visit W. E. Hall's carnation plant. Mr. Hall grows mostly his own seedlings and knows how to grow them, too. We regretted very much that we did not see his red seedling at its best. It is a fine large flower, Beacon color, but shows now and then a white stripe. He is working to get out this white stripe and propagates from selected plants for future use. After he gets it just where he wants it, it will be disseminated. His fancy carnation, a seedling of Prosperity and one of his own seedlings, is a revelation; we have not seen anything better anywhere. White Perfection, White Enchantment and Lady Bountiful are grown, also Enchantment and Rose Pink Enchantment.

Another outing was enjoyed last Sunday when the lettuce plants of Searles Brothers and Miller Brothers were visited. Miller's place just covers one acre, all one connected house heated by hot water, with forced circulation. Mr. Miller is also a good grower of chrysanthemums and carnations.

Searles Brothers' new plant consists of 15 houses, each 15 feet wide by 750 feet long, the old place is about one-half this size. This entire plant is devoted to lettuce and cucumbers. Two crops of lettuce have been taken out of the new plant this season and on an average about two tons of lettuce are shipped every day. Grand Rapids Forcing is the only variety grown. At present the entire new plant is in cucumbers, which are just starting to bear. Two immense boilers are used for heating by hot water forced by a rotary pump.

Our club meeting of last Wednesday was held at the residence of Mr. Mills. Mrs. Mills invited the ladies of the members, whom she entertained while we had our business meeting. Our club is in a bad financial fix at present; the bank which held our money has decided to quit business, but we hope to get all back. SCH.

Cincinnati. Business Slow.

We are still trying to move the stock coming into this market, but it is certainly very much on the wrong side of the ledger. We are getting something for it, but to quote prices is a waste of energy. Last year at this time we were selling carnations at 3c., and roses were going well and fetching fair prices. At this time I am ashamed to state the prices both are being sold at.

Mrs. King, Portsmouth, O., was a caller on the 26th and reports doing a nice business.

Mr. Poague, who has charge of Huntsman & Company's store, is taking advantage of the cheap prices and is running special sales very successfully. E. G. G.

CLEVELAND, O. In the settlement of a seven year street car fight in Cleveland, to-day (April 28) three-cent fare has been established all over the city with universal transfers. The public was granted free car rides all over the city for a period of twenty-four hours to celebrate the event.

In recognition of the jollification the J. M. Gasser Company sent out a box of roses to all its city customers, with a card bearing the legend: "Free carfare; free roses, with the compliments of your florist."

PITTSFIELD, MASS. A gardener, who never had a vacation and who never earned more than \$1.50 a day was Michael O'Loughlin, who died here, April 22, at the age of ninety-one, leaving \$25,000. O'Loughlin had worked for Maplewood Institute, the late Governor Briggs, Edward Learned and others. Cheer up, brothers; all we lack is energy. V. L.]

WOOSTER, O. Wm. H. Love has gone to Bloomington, Ind., to the Curt Floral establishment.

Chicago. The Week's News.

The Illinois Heater and Manufacturing Company of Chicago has added to the awards in the Tribune garden competition. The firm will donate 25 Illinois self-watering flower boxes, for the same number of persons who do not qualify or obtain one of the cash prizes. Five boxes will be distributed among competitors in each of the five competitive divisions of the city. The flower boxes are becoming quite popular with florists, and are made to look very attractive in a number of the city stores.

Charles M. Balluff has now an interest in the business of the Eaton Flower Shop, the same dating from April 1.

Arbor Day, April 24, was very generally celebrated by school children in the parks and on school premises. The Carolina poplar was the most favored tree in the different districts.

The J. B. Deamud Company is receiving outside grown tulips of very fine quality.

C. W. McKellar reports an excellent demand for cattleyas, but a light supply. C. Mossie is the principal variety available.

Heim Brothers, Blue Island, have a grand crop of Bride and Bridesmaid roses in cut, and their carnation houses are still in excellent crop. Their establishment consists of about 80,000 square feet of glass. J. Foerster of the Flower Growers' Market handles the output.

A. H. Hews & Company, manufacturers of flower pots, Cambridge, Mass., have opened a branch office and warehouse at 456 North Branch street. M. F. Mooney is in charge.

Headquarters for gladioli appears to be at E. H. Hunt's, where daily shipments of many varieties are received.

The retail business of the late Alfred Hildred, 3023 Indiana avenue, has been acquired by H. S. Morton, whose location has hitherto been 96 East Thirty-first street. J. H. Pepper.

St. Louis. News Notes.

A terrific hailstorm passed over Belleville, Ill., Sunday, April 26. From telephone reports it was learned that very little damage, if any, was done to greenhouse glass, although fruit trees suffered greatly. The temperature fell twenty degrees.

The St. Louis Seed Company had a free seed day on Thursday of last week. The school children were each given six packages of seed, valued at 6c., when presenting the firm's advertisement cut from the daily paper; from reports several thousand children took advantage of this and stormed the place after 4 p. m. on that day. The crowd would have been larger, only for the bad weather, as a heavy rainstorm broke just at that hour.

C. A. Kuehn and J. J. Beneke won bowling prizes last week in the State bowling tournament, which took place in this city. They are members of the DeSoto team, and both were in especially good form.

Engelung Floral Company, R. J. Windler and Conrad Bergesterman, South Grand avenue florists, all report a heavy Easter business, especially in plants.

Frank M. Ellis, our former wholesaler, is still with us, and reports that he will leave here early this month and return to Panama, where he is running a successful banana plantation. His family for the present will remain in this city.

W. C. Smith & Company is doing a heavy business in garden trellises, tree boxes and other wire work for garden purposes.

The Florists' Club trustees—Messrs. Schenck, Smith and Boyer—will meet

Henry M. Robinson & Co.

Wholesale Commission Florists

Hardy Cut Evergreens and Florists' Supplies

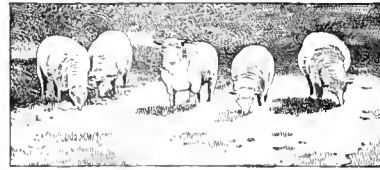


BRONZE GALAX, best quality \$8.50 case of 10,000.
GREEN GALAX, best quality \$7.50 case of 10,000.
DAGGER and **FANCY FERNS**, \$1.50 per 1,000.

Laurel Festooning, Boxwood, Sphagnum and Green Moss, Southern Wild Smilax, Leucothoe Sprays, etc.



5 Province St. and 9 Chapman Place, Boston, Mass.



DREER'S SHEEP MANURE (WIZARD BRAND)
FLORIST 100 lbs., \$1.75; 500 lbs., \$8.00;
SPECIALTIES 1,000 lbs., \$15.00. Ton, 2,000 lbs., \$30.00.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.

Los Angeles, Cal.

News Notes.

A. W. Ross, proprietor of the nursery, corner Twenty-ninth and Vermont, who has recently been married, is offering his stock of trees and plants for sale. As soon as he closes out his business here he will locate in San Diego, open a seed store, and put up a small range of houses, steam heated, for the purpose of growing decorative plants requiring a more humid atmosphere and uniform temperature than prevails on this coast.

Charles Winsel, seedsman and nurseryman, has moved his greenhouse and salesyard from Third and Crocker streets to the corner of Figueroa and Washington streets. The growth of business and the necessity of larger grounds to meet the requirements of his trade compelled a change of location. Here is another example of what inherent business ability, coupled with strict integrity in trade, will do for a man in the seed and tree business on this coast. Ten years ago he was working for wages as a landscape gardener; to-day his seed trade and retail nursery business are the equal of any in this town.

The arrival of the naval squadron at this port from the East, on its journey around the world, on the 18th inst., was the cause of the greatest demonstration on the part of the people of this great Southwest country that was ever known. For 40 miles, and this is no figure of speech but an actual fact, the coast was lined with people to witness the sixteen vessels of war sail by. The week following receptions for officers and men, automobile drives, with flowers galore, both indoors and outdoors, with a welcome by the societies of the different States to the men of the fleet from those States. The brilliant display of electric lights, the cordial greeting, the hearty welcome by the people of Los Angeles will not soon be forgotten by the officers and men of the invincible navy of these United States of America.

P. D. BARNHART.

FRESNO, CAL.—S. W. Marshall & Son have secured another large tract of land for nursery purposes. The proprietors are S. W. Marshall, who has been in the business 35 years, and his son, Will. S. Marshall.

Special Offer



Fine selected **FERNS**, Fancy or Dagger, \$1.25 per 1000. Good Ferns, \$1.00 per 1000. **Bronze Galax**, 10,000 lots, \$5.00. **Green Galax**, \$1.00 per 1000; 10,000 lots, \$7.50. **Wild Smilax**, 50 lb. cases, \$6.00. **Leucothoe Sprays**, Bronze or Green, 40c. per 100. **Ground Pine**, 5c. per lb. or 5c. per yd. Beautiful **ARBUTUS**, or **MAYFLOWER**, 12c. per bunch; fine flowers and nice plants. **Telegraph Office: New Salem, Mass. L. D. Phone Connections.**

CROWL FERN CO., MILLINGTON, MASS.

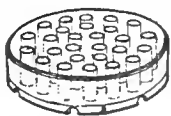
HARDY CUT FERNS

FANCY and **DAGGER**. Extra fine, \$1.75 per 1000. **BRONZE** and **GREEN GALAX**, \$1.25 per 1000, \$7.50 per 10,000. **LEUCOTHOE SPRAYS**, \$1.00 per 100; \$7.50 per 1000. **SPHAGNUM MOSS**, extra large bales, per bale, \$1.25. **BOXWOOD**, per bunch, 35c.; 50 lbs., \$7.50. **FANCY** and **DAGGER FERN** our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
 WHOLESALE COMMISSION FLORISTS
 38-40 Broadway, DETROIT, MICH.
 All Phone Connections.

REED & KELLER 122 W. 25th Street NEW YORK
 Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and Decorative Greenery
 New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

THE "JAPANA" Cut Flower Holder



A handy article for florists. Sells to the trade on eight. Made of glass in three sizes. The "Anglo" Table Decoration, something entirely new, long needed. The florist and housewife will appreciate this article, as it simplifies the art of table decorating. Ask for catalog.

M. V. GARNSEY, 132 M. Waiola Ave., La Grange, Ill.

PREPARED PALMS AND PALM LEAVES In all varieties. Also Moss, Fibre, Nodia Pine, Pine Cones, Uva Grasses, etc. Buy from **HEADQUARTERS Florida Natural Products Co. Fernandina, Fla.**

Southern Wild Smilax

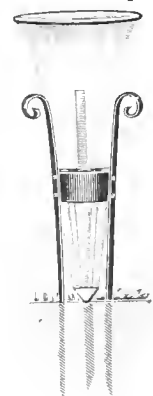
Now Read Write, Wire or Telephone the Introducing Caldwell The Woodsman Decorating Co **EVERGREEN, ALABAMA**

SOUTHERN WILD SMILAX BEAVEN'S FADELESS MOSS NATURAL SHEET MOSS
E. A. BEAVEN, Evergreen, Ala.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50
 MANUFACTURED BY **W. J. COWEE, BERLIN, N. Y.**
 Samples free. For sale by dealers

Cemetery Bouquet Holders



Makers of the Largest Variety both Iron and Glass also

Jones' Celebrated **Berlin Reservoir Vases**

The only pattern that gives room for plants as well as water.

New Illustrated Poster List also Trade Prices sent on application

The M. D. Jones Co.
 71 Portland St., Boston, Mass.

Standard Flower Pots

Packed in small crates easy to handle.
 Price per crate, \$4.88
 1500 2 1/2 " " " 6.25
 1500 2 1/4 " " " 6.00
 1500 2 " " " 5.80
 800 2 1/2 " " " 4.50
 800 2 " " " 4.31
 144 6 " " " 3.16
 Price per crate, \$4.20
 125 7 in. pots in crate, \$3.00
 60 8 " " " " 3.00
HAND MADE
 48 9 in. pots in crate, \$3.00
 48 10 " " " " 3.80
 24 11 " " " " 3.60
 24 12 " " " " 4.80
 12 14 " " " " 4.80
 6 16 " " " " 4.50
 Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.
Hilfinger Bros., Pottery, Fort Edward, N. Y.
 August Roller & Sons, Arts., 31 Barclay St., N. Y. City



SHEEP MANURE
 Pulverized. Free from all Adulteration
 In Bag, \$18.00 per Ton.
ROBERT SIMPSON,
 CLIFTON, N. J.



SUMMER IN WINTER
 BY USING
Standard Greenhouse Boilers
 One cent gets our catalog.
GIBLIN & CO., Utica, N. Y.

Ideal Plant Food
 Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.
EDWARD MacMULKIN,
 194 BOYLSTON ST., BOSTON, MASS.

Cattle Manure In Bags Shredded or Pulverized
 Best and safest manure for florist and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
 The Pulverized Manure Co., 34 Union Stock Yards, Chicago

THE BEST WAY
 to collect an account is to place it with the **National Florists' Board of Trade**
 56 Pine St., New York
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.



THE WHILLDIN POTTERY COMPANY
 THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
 PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

THE GREAT IMPORTANCE OF EASY SET-UP IN THE "BURNHAM"



The cast iron nipple is milled with a slight slant from the front edges to the center so that the more you pull up the short tie rods, the tighter you set the nipples.



Short tie rod connections not only mean ease of set-up, but greatly simplify adding sections to enlarge your boiler.



You start with the rear section and connect up each section complete as you go along.

FIRST and foremost, your own men can set up the Burnham. The base bolts up in the easiest possible manner, and the grate connections are free from complications.

There are no headers—the nipples are cast iron, accurately milled.

But the short tie bolt connections of the sections are of the greatest importance to you.

With the long tie rod method of set-up, a tremendous amount of blocking and bracing work is necessary, and to tighten any single section you must tighten the entire boiler.

With our short tie bolt connections you set up and tighten a section at a time—each pair is entirely independent.

So much for its easy set-up—its economy will stand any comparison you want to make—any investigation you care to go to.

Hot water or steam. Burns hard or soft coal. Send for new boiler catalog.

LORD AND BURNHAM CO.

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1133 Broadway, NEW YORK

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PHILADELPHIA
1215 Filbert Street

PLANT CULTURE The Best Book for the Planter
Grower \$1.00
A. T. DE LA MARE PTG. & PUB. CO. LTD., 2-8 DUANE STREET, NEW YORK

IT WILL BE OF INTEREST TO YOU



While Planning
YOUR NEW HOUSES
To Receive Our
CATALOGUE AND SUGGESTIONS
They do not Cost You Anything

Greenhouse Material and Hotbed Sash
OF LA. CYPRESS AND WASH. RED CEDAR
Greenhouse Hardware & Posts
A. DIETSCH CO., 615 Sheffield Ave. Chicago, Ill.

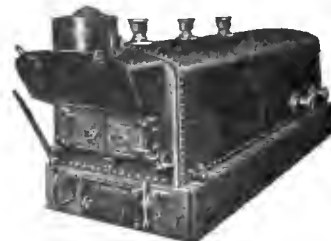
THE KROESCHELL BOILER

is the only perfect

HOT WATER BOILER.

Made in 15 sizes, heating 6,000 to 50,000 sq. ft. glass to 60 degrees at 15 degrees below zero.

Prices and catalogue on application
KROESCHELL BROS. CO.
33 Erie Street, CHICAGO.



THE JENNINGS IMPROVED IRON GUTTER

PATENT IRON BENCH FITTINGS AND ROOF SUPPORTS. VENTILATING APPARATUS, IMPROVED VAPORIZING PANS for Tobacco Extracts, Etc.

Send for Circulars **DILLER, CASKEY & KEEN.** Successors to JENNINGS BROS.
S. W. CORNER SIXTH AND BERK STS., PHILADELPHIA, PA.

THE HOLLY STANDARD ELECTRIC CIRCULATOR

Peters & Son of Hempstead, L. I., say: "Your circulator, new model, installed for us last December gives perfect satisfaction. It heated without half trying, our three large greenhouses. We figure that in one more season it will nearly pay for itself in saving of coal. No fear of frosts now!"

No greenhouse is perfect without it. No greenhouse is out-of-date with it.
Send for descriptive catalog to
THE HOLLY STEAM ENGINEERING CO., 135 E. 15th Street, NEW YORK

LOUISIANA RED CYPRESS

is best for all kinds of Tanks, Vats, and all kinds of Greenhouse work. It excels in durability. Ask your dealer for our stock, and, if he hasn't got it, get him to write us, or write us yourself.

Louisiana Red Cypress Co. of New Orleans
Hibernia Building, NEW ORLEANS, U. S. A.

GLASS

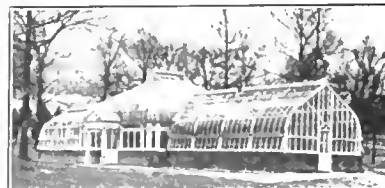
We are glad to quote on whatever you need from 5 boxes to 5,000 boxes; East or West. Don't fail to get our advice and prices.

We are headquarters for

GREENHOUSE GLASS

SHARP PARTRIDGE & CO., LUMBER ST., CHICAGO, ILL.
SOUTH of 22nd ST.,

N. B.—Some snaps in double hotbed sizes.



CLEMSON AGRICULTURAL COLLEGE
V. and M. College of South Carolina
W. M. BLOGS, Director.

Dear Mr. Partridge: May 20, 1907.
We have just received the Tringer Tobey heater, and within a few days we will install this and return the smaller one to the J. L. Mott Iron Works. We are turning over to our treasurer for payment, the balance due you, which amounts to \$20.00.

In concluding this transaction, I desire to express to you my hearty appreciation of the excellence of your work, and the honesty and courtesy of your method. We believe that we have one of the best greenhouses in the South, and any time that you need a good word, I hope you will not fail to call on us. Yours truly, W. M. BLOGS, Director.
GEORGE PEARCE, Orange, N. J.

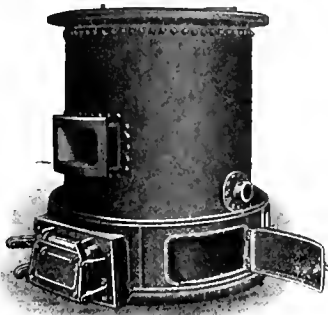
Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

HITCHINGS & CO.
EAVE PLATE
SENSE

If you don't want an eave like this photograph shows, buy our houses with steel angle plate and cast iron roof bar brackets, all galvanized.

SEE ILLUSTRATION IN OUR NEXT WEEK'S AD

HITCHINGS & CO.
 1170 BROADWAY, NEW YORK.



Superior Merit

in all and every way over any and every other heating boiler is the claim we make and will prove for the

NEW DUNNING BOILER

Easiest to set up, connect, operate, regulate, clean and pay fuel bills for. Smallest fuel expense with largest heating results.

Specified for Thirty Years by U. S. Government for its Army Posts and Many P. O. Buildings.

BEST FOR YOUR GREENHOUSE

Large fire box with high crown sheet makes a perfect oxygen-and-coal-gas mixture. This burns at high temperature and flame travels twice the boiler length through three vertical channels—not tubes—which completely encircle inner and outer shells and give immense vertical heating surface. No efficient heat goes up smoke pipe—the water absorbs it all.

Made of Siemens-Martin wrought steel plates, hot riveted, not pushed, screwed or packed together. Tested by severest known test and guaranteed in every particular. Regulating devices most nearly self-operating to be had. The money, time and labor saver.

Send for Free Illustrated and Descriptive Catalogue and Price List. Will save you money.

NEW YORK CENTRAL IRON WORKS CO., Geneva, New York

THE FOLEY MFG. CO.
CHICAGO

COMPLETELY EQUIPPED WITH UP-TO-DATE MACHINERY FOR THE MAKING OF MATERIAL FOR

GREENHOUSE CONSTRUCTION

FROM A FULL SUPPLY OF THOROUGHLY SEASONED LUMBER

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work—large or small.

We guarantee our prices will save you money.

FOLEY VENTILATING APPARATUS IS THE BEST IS SIMPLE IN ERECTING. IS EASIEST OF OPERATION. IT WILL LAST A LIFETIME. ITS PRICE IS THE LOWEST. Will ventilate any size house. Prices and circulars on application.

Our 1908 Catalogue "GREENHOUSE MATERIAL" sent postpaid on request.

THE FOLEY MFG. CO. WESTERN AVE. CHICAGO
 25th & 26th Sts.

Salem, Ore.

At a recent meeting of the Salem Board of Trade the following committee was appointed to take charge of the annual Salem cherry fair: F. W. Power, C. A. Park and H. S. Gile. The Salem cherry fair is one of the best horticultural displays of fine fruit that we have in the Northwest. It will be held about July 10 (date to be announced later). About thirty to forty cups will be offered as premiums and a large number of diplomas and other prizes. In connection with the cherries there are displays and premiums for general fruits, roses and sweet peas, and we desire as many nurserymen and florists present as possible. The Salem cherry fair being held just after the meeting of the Pacific Coast Association of Nurserymen affords Eastern nurserymen the chance to attend both without the expense of two trips to the Coast. We extend a special invitation to all nurserymen and florists, also horticulturists, to be present. Announcements of program and premiums will be made in a later issue.

F. W. Power,
 Chairman Cherry Fair Committee.

RICHMOND, IND. E. G. Hill has been invited by the city of Paris, France, to act as judge at the trial of roses in 1908, and also to send a collection of his new roses for the contest. The contest will take place in the great rose gardens laid out by M. Jules Gravenaux, owner of the world-renowned department store, Bon Marche.

BRIDGEPORT, CONN. The local press is loud in its praise of the floral work done by James Moran & Sons for some recent weddings.



Evans Improved Challenge

Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO. RICHMOND, IND.

Holds Glass Firmly
 See the Point
PEERLESS
 Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cts. postpaid.
HENRY A. DREER,
 714 Chestnut St., Phila., Pa.

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given

GLASS
N. COWEN'S SON,
 14 & 16 Wooster Street, New York

SECOND HAND PIPE AND BOILER TUBES
 From 1 in. up to 12 in., for sale at low rates.
 We can supply you with any amount from 100 feet and up.

As we are large dealers in pipes, and do our own threading, we can sell same cheaper than any other dealer.

Our price card will be sent anywhere upon request, send for one.

EAGLE METAL & SUPPLY CO.,
 Johnson Av. & Broadway, BROOKLYN, N. Y.

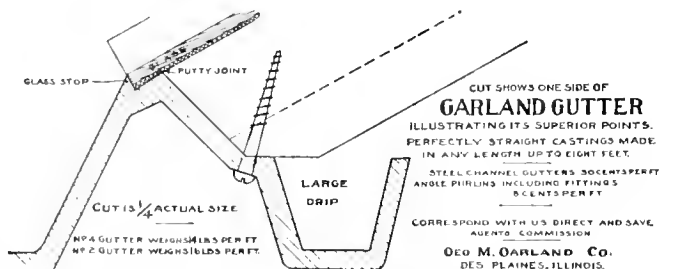
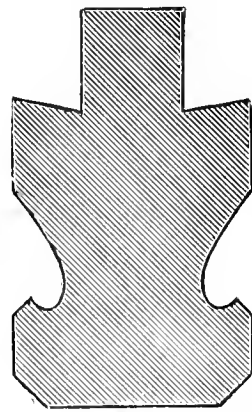
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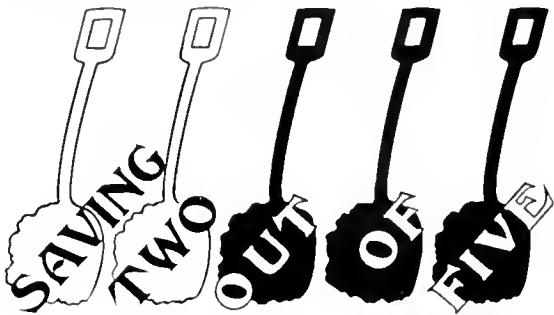
That we are manufacturers of clear Gulf Cypress Greenhouse Material, free from sap and no defects.

We are jobbers in Boilers, Pipe-Fittings, Glass, etc.; in fact, everything necessary for the complete Erection, Heating and Ventilating of Greenhouses. Let us quote you.

S. JACOBS & SONS

1368-1379 Flushing Avenue, BROOKLYN, N. Y.





By using the

Spencer Water-Jacketed Magazine Feed Boiler

Not only the greatest coal saver, but the least firing. Runs 24 hours in moderate weather or 12 hours in severest weather with drafts on. Burns Pea or No. 1 Buckwheat coal.

WEATHERED COMPANY, Sole Agents

Don't forget our catalogue—the houses of greatest sunlight—Iron Frame, Semi-Iron Frame or all wood, erected or materials only

P. O. ADDRESS, BOX 789, N. Y. CITY

Send for Catalogue

Lancaster, Pa.

In addition to this town being the "garden spot" of America, it is fast becoming the "florist's Mecca." A drive or a street car ride on any of the roads leading from the city through the county will take one past greenhouse establishments of all shapes and all sizes.

The principal output of these various establishments is carnations and sweet peas for commission house trade. Some grow pot plants for our local markets and some cater to the villages in which they are located.

The local city trade is well taken care of by Harry Schroyer (the Peter Reinberg of Lancaster), B. F. Barr & Company, F. Bachler, F. Suter and J. W. Fries not a big bunch of florists for a flower-loving city of this size, but a bunch of big florists.

ALBERT M. HERR.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 West Broadway
N. Y. C.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

GREENHOUSE GLASS
ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
10 Desbrosses St., New York

THE TWO ESTIMATES

Have you ever placed two estimates before you both calling for the same kind of a greenhouse and compared each individual item on the list? You probably noticed that the two bids differed considerably as to the quantity, dimensions and patterns but was unable to tell what the differences amounted to in dollars and cents. You saw that one fellow wanted \$300 and the other one wanted \$150, but why one was lower you could not figure out and probably thought the extra \$150 was just for reputation. Now if two estimates on the same kind of greenhouse vary you can depend on it that there is a difference in the material some place, as cypress is used by everybody and the cost of the rough lumber does not vary much. It is up to you to find out what this difference is before you place the order with the lowest bidder. We make cypress greenhouse material as cheap as it can be made by anybody and we sell it on a very small margin of profit so if you buy of us you will get full value for your money. We guarantee it.

Our new catalog will be sent anywhere on request. Ask for one.

JOHN C. MONINGER CO.

CHICAGO.

115 E. Blackhawk Street

Commercial Violet Culture

PRICE, \$1.60
The FLORISTS' EXCHANGE, 2-8 Duane St., New York

WILLIAM H. LUTTON

HORTICULTURAL ARCHITECT AND BUILDER

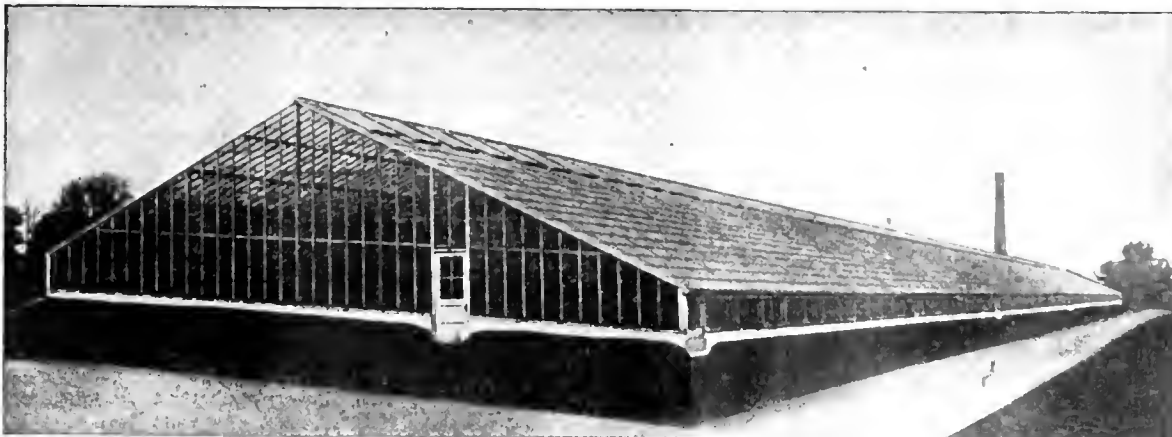
WEST SIDE AVENUE STATION (C. R. R. OF N. J.)
JERSEY CITY, N. J.

Have not been established 50 years, but long enough to convince the wide-awake Florist and Gardener that it is to his interest to place his work in thoroughly practical hands.

(150,000 sq. ft. glass erected in 1907 will substantiate this claim.)

And why not? My material is the best that can be secured. My iron frame construction has every modern feature that years of practical experience can embody.

And then there is the cost to be considered. Why not let us take up this important question now?



We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.

The A. T. Stearns Lumber Co.

NEPONSET, Boston, Mass.



WHOLESALE TRADE LIST

Stock, from 2 1/2 in. pots, 50c. per doz.; \$3.00 per 100:
 Asparagus Sprengeri, Acalypha, Alyssum, dwarf, Abutilon Savitzii, Bonvardia Humboldtii, Feverfew, Little Gem, Heliotrope, blue and white, Fuchsias, four varieties, Gazanias, Lobelia, Emperor William, Cupheas, Petunias, double varieties, variegated, Ice Plants, variegated Glechomas; Salvia, Bonfire and Zurich; Hydrangea Otaksa and Thomas Hogg; Ageratum, Princess Pauline, Blue Perfection, Inimitable; Rosemary, variegated Periwinkle, Geraniums, Mrs. Parker; Moschosa Riparium, Impatiens Sultan and Hobbsii, Swainsona Alba, white Moon-flower, sedum Sieboldii, Saxifraga Sarmantosa, Parlor Ivy, Umbrella Plants, Carnations, strong, bushy plants, kept in cold frames, Robert Craig, Elton, Gov. Wolcott, Boston Market, Flora Hill. Rooted cuttings of these varieties from soil, \$2.00 per 100; from 2 1/2 in. pots, \$3.00 per 100.
 Geraniums, best commercial varieties, from 3 in. pots, \$3.00 per 100.
 Variegated Periwinkle, 4 1/2 in. pots, \$1.50 per doz.; \$10.00 per 100.
 Ampelopsis Veitchii, strong, 4 in. pots, \$1.50 per doz.; \$10.00 per 100; 3 in. pots, \$5.00 per 100.
 Ivy, Hardy English, 4 in. pots, \$1.50 per doz.; \$10.00 per 100; 3 in. pots, \$5.00 per 100.
 Clematis, large flowering varieties, strong, 2 yr. old, \$3.00 per doz.
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 Honeysuckle, Hellebora and Red Trumpet, 4 1/2 in. pots, \$1.50 per doz.; \$10.00 per 100.
 Clematis Paniculata, one year old, seedlings, \$2.00 per 100; \$18.00 per 1000.
 Echeveria glauca, \$1.00 per 100.
 Echeveria secunda glauca, \$3.00 per 100.
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 Dracena, indivisa, Asparagus plumosus and Asparagus Sprengeri.

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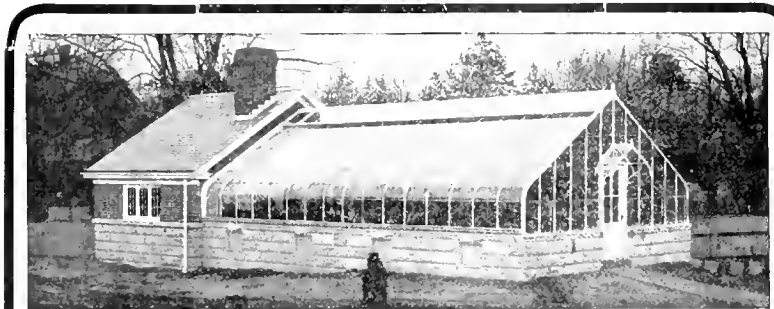
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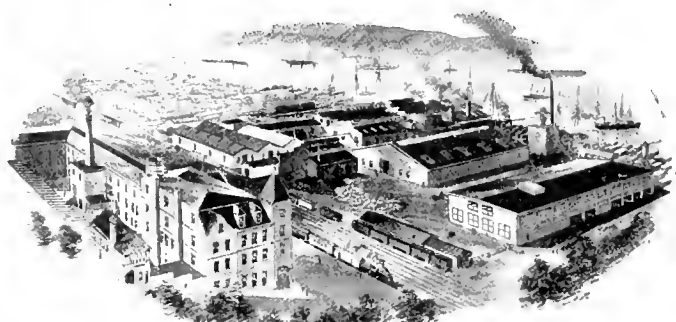
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A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXV. NO. 19

NEW YORK AND ST. LOUIS, MO., SATURDAY, SEPTEMBER 9, 1908

One Dollar Per Year

HARDY ROSES

FOR THE GARDEN

Strong Field Grown Plants

THE ROSES here offered are extra strong two-year-old field-grown blooming plants, which, if planted early, will give a large number of flowers the first year.

We offer a grand collection of the best and choicest varieties, as follows:

Hardy Perpetual or June Roses

Frau Karl Druschki, Marchioness of Londonderry, Capt. Hayward, Mrs. R. G. Sharman-Crawford, Ulrich Brunner, Margaret Dickson, Baron de Bonstetten, Paul Neyron, Gen. Jacqueminot, Magna Charta, Mrs. John Laing, Mme. Gabrielle Lulzet, Marshall P. Wilder, Gloire de Paris, Baroness de Rothschild, Prince Camille de Rohan, Fisher Holmes, Alfred Colomb, Soleil d'Or, Persian Yellow, Moss Roses, Rugosa alba and rubra, etc.

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Specially low grafted, union complete \$120.00 per 1000

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Exceptionally fine large plants of

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Auratum		Per 100	Per 1000
8 to 9-inch, (180 bulbs to case)		\$ 5.00	\$45.00
9 to 11-inch, (100 bulbs to case)		8.25	70.00
11 to 13-inch, (75 bulbs to case)		12.00	
Rubrum		Per 100	Per 1000
8 to 9-inch, (180 bulbs to case)		\$ 5.50	\$48.00
9 to 11-inch, (150 bulbs to case)		8.50	76.00
11 to 13-inch, (75 bulbs to case)		11.00	
Album		Per 100	Per 1000
8 to 9-inch, (180 bulbs to case)		\$ 7.00	\$62.00
9 to 11-inch, (100 bulbs to case)		12.00	
Less 5 per cent, cash with order			



FINE SOUND BULBS FROM COLD STORAGE

ASPARAGUS PLUMOSUS NANUS

We handle this Asparagus, both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality.

Northern Greenhouse-Grown Seed. Per 100 seeds 60c.; 250 seeds \$1.00; 1000 seeds \$3.00. Prices for larger lots on application.

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Good strong stock from 2-in. pots.

Centaure, Double General Grant, El Cid, Miss Kendell, S. A. Nutt, Granville, Jacquerie, Mrs. E. G. Hill, etc., \$2.00 per 100; \$18.50 per 1000.
 Alphonse Bieard, Berthe de Presilly, Jean de la Brete, Alice of Vincennes, etc., \$3.00 per 100; \$25.00 per 1000.
 Double Dryden, E. H. Trego, Peter Henderson, Telegraph, etc., \$4.00 per 100, \$35.00 per 1000.
 Eugene Sue, Mrs. Lawrence, Paul Crampel, Mistral, Jean Oberle, Col. Thomas, etc., \$6.00 per 100; \$50.00 per 1000.
 Rose, Nutmeg, Oak Leaved, and Balm, \$2.00 per 100.

SPECIAL OFFER

We have about 10,000 extra good strong plants, little lots of a kind, the accumulation of the season's odds and ends, single and double, which we offer as long as they last, at \$15.00 per 1000, \$8.00 for 500; not less than 500 at this price. These would make good stock for Decoration Day.

S. A. Nutt, Double Gen. Grant, La Pilote, Granville, and other good bedding kinds from 3-inch pots, \$3.50 per 100.

PELARGONIUMS

In good variety, 3-inch pots, \$1.50 per doz.; \$6.00 per 100.

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Whole field clumps, at \$5.00 per 100 and up, send for list of 75 varieties.

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A splendid collection of the very best 75 varieties, small flowered or button, \$2.00 per 100, large flowered or Aster type, \$3.00 per 100.

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From 2-inch pots, ready for immediate shipment at \$2.00 per 100 and up. We will send 1000 in 20 good varieties our selection for \$18.50.

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FUCHSIAS, Black Prince and Minnesota	2.00
FUCHSIAS, Lieutenant Muritz, White and Rose Phenomenal	2.50
HARDY ENGLISH IVY, Extra strong \$15.00 per 1000	2.00
HARDY PHLOX, Coquelicot, R. P. Struther, Bacchant, La Vogue, La Nutt, Beranger, Andreas Hoffer	2.00
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Fresh from the Illinois Brakes

	Per 1000
4 to 5 feet	\$5.00
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10 in. bowl.....	Each \$1.10	Dozen \$11.00
12 "	" 1.25	" 13.00
14 "	" 1.50	" 16.00

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Are the Finest in the World.

We offer the following desirable colors: Pure White, Brilliant Pink, Deep Blue, Crimson, Salmon, Xmas Red, White with Red Eye

Also a splendid mixture of all colors.

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New Crop, Highest Germination, \$2.00 per 1000, Cash.

Drake Point Greenhouses, YALAHA, FLORIDA

Caladium! Gladiolus! Tuberoses!

Quality the best; prices the lowest; the finest in the country.

GLADIOLUS Augusta, extra fine	100 1000	\$2.00 \$17.50	CALADIUM ESCULENTUM, 6-8	100 1000	\$1.25 \$10.00
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Prices on all other bulbs and plants cheerfully given.

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The finest strain of Pansies in the World. Introducer and Grower of all the leading Novelties. Highest Award, International Exhibition, Dusseldorf, 1905. Catalogue free on application.
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WINTER FLOWERING SWEET PEAS

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BELMOREANA, Per 100 50c. Per 1000 \$4.00 | **FORSTERIANA**, Per 100 50c. Per 1000 \$4.50
STUMPP & WALTER CO., 50 BARCLAY ST., NEW YORK.

Per S. S. ADELAIDE

500,000 KENTIA SEEDS

To Arrive this Week from Australia

OTHER PALM SEEDS

Arriving and in Stock for Immediate Delivery

	100	1000		100	1000
Kentia Forsteriana	\$0.50	\$4.50	Livistona rotundifolia	\$2.00	17.50
Kentia Belmoreana	0.50	4.00	Phoenix rupicola	1.00	7.50
Cocco Weddellana , Immediate	1.00	7.50	Phoenix reclinata	0.50	3.00
Areca lutescens	1.00	7.50	Phoenix Canariensis	0.30	3.00
			Pandanus utilis	1.00	8.00

ASPARAGUS PLUMOSUS NANUS, true greenhouse grown seed 100 sds 60c.; 250 sds. \$1.20; 1000 sds. \$4.00; 5000 sds. \$18.00; 10,000 sds. \$33.00.

ASPARAGUS SPRENGERI, 250 sds. 25c.; 1000 sds. 75c.; 5000 sds. \$3.00.

DRACAENA INDIVISA (seeds), oz. 30c.; 1/2 lb. \$1.00.

Catalogues free

ARTHUR T. BODDINGTON, SEEDMAN, 342 West 14th St., New York City

AND YET

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One of the most beautiful satin ribbons on the market today is our "**MONARCH**" satin and taffeta ribbon. Superb touch and body, and a marvelous lustre. This beautiful ribbon must add distinction to all flowers, decorations, and bouquets. It is not high in price, for it is sold to you direct from the mill and

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Our "Climax" satin and taffeta ribbon is a cheaper quality, but of unusual merit. Write for samples.



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PLUMOSUS NANUS, \$2.00 per 1000

SEEDS OF ASPARAGUS

PLUMOSUS ROBUSTUS, \$2.00 per 1000

COLD STORAGE LILY OF THE VALLEY PIPS, JAPAN LILIES, JAPAN IRIS

For prices state quantities required

J. M. THORBURN & CO.

33 Barclay St., through to

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Everything of the highest grade.

NEW CROP FLOWER SEEDS

Verbena Mammoth, in colors or mixed, 1/4 oz. 30c., oz. \$1.00.

Salvia Splendens, 1/4 oz. 35c., oz. \$1.25.

Salvia Bonfire, 1/4 oz. 75c., oz. \$2.50.

Lily Valley, Early Foreign, to close out, per 1000, \$11.00.

Fresh Tobacco Stems, Bale of 300 lbs. \$1.50.

W. C. BECKERT, Pittsburg, S. N. Pa.

PANSIES THE JENNINGS STRAIN

50,000 plants grown in cool greenhouses. All transplanted, A No. 1 stock in every respect, now ready. By mail, 75c. per 100; by express, \$4.00 per 1000; \$7.00 per 2000. Large plants in bud and bloom, \$1.00 per 100. Giant Snow, white, large or small plants, same as above. Yellow and blue, in separate colors, \$4.00 per 1000; \$2.00 per 500.

PANSY SEED, fancy colors, all large flowering, \$1.00 per packet; \$4.00 per ounce. Cash with order.

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Grower of the Finest Pansies

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In Variety, 2 1/2 and 7 1/2 inch extra in condition. Write for particulars. The Elizabeth Nursery Co. ELIZABETH, N. J.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

FLORAL PARK, N. Y. Linnays Allen, who is now the leading man in the seed growing house of C. L. Allen, is visiting his customers throughout the country. At the present writing he is in the South, and reports a healthy state of business and a good demand for Long Island products.

SWISS IMPORTS.—Consul A. Leiberknecht of Zurich reports that the total value of seeds and plants imported into Switzerland during the year 1907 was \$4,980,700.

IMPORTS OF SEEDS, ETC.—April 28.—C. F. Meyer, 37 cases plants, four tubs laurel trees; J. Ter Kulle, two cases plants, 11 tubs laurel trees; Vaughan's Seed Store, 62 cases plants; P. M. Einsman, 12 tubs laurel trees; H. E. Darrow, 34 cases plants, six tubs plants; Kramer & Foster, two cases plants; Smith & Boltzental, three cases and 31 packages plants; McHutchison & Company, 47 cases plants, 138 tubs laurel trees; Vaughan's Seed Store, 90 cases plants, 214 tubs laurel trees; Hussa & Company, nine cases plants, 10 tubs laurel trees; Julius Roehrs Company, six cases plants, 12 tubs laurel trees; J. Dinn, Jr., three cases plants; C. B. Richard & Company, 32 cases plants, etc.; P. H. Petry Company, 16 tubs laurel trees, 28 cases plants; Maltus & Ware, 133 packages plants, etc.; T. C. Pollock & Company, 14 tubs bay trees; Knypser & Shields, 10 packages plants, etc. April 29.—Wadley & Smythe, 49 packages plants; Weber & Don, 20 bushels grass seed, April 30.—Wm. Smallwood & Company 43 packages plants, May 5.—Austin, Baldwin, one bundle live plants; H. E. Darrow, 38 cases plants; Vaughan's Seed Store, seven cases plants; Rooney & Spence, five tubs laurel trees; Wadley & Smythe, seven cases plants; J. Ter Kulle, 18 cases plants, 28 tubs laurel trees; Julius Roehrs Company, 18 tubs laurel trees, eight cases plants; C. B. Richards & Company, 11 cases plants; O. G. Hempstead & Son, 28 cases plants; G. W. Sheldon & Company, 29 packages plants, etc.; Maltus & Ware, 21 cases plants.

CONTROLLING INSECTS ON SEED BEDS. The growth of cabbage plants for late setting has been a very uncertain venture in parts of New York State for several years. Maggot-flies and flea-beetles have become so plentiful in cabbage sections that only small fractions of the seed sown give plants worth setting; so that many growers have had to import large numbers of plants from other States, with greatly increased expense and liability of introducing disease. A simple and, so far as tested, a feasible and cheap method of controlling insects on seed beds was tested, not originated, by the Geneva Station last year, and the details of the experiment are given in Bulletin No. 391. A small bed was covered with cheesecloth screening and the plants completely protected from maggots. From 1800 square feet of bed 50,000 sets were taken, while from a check plot intended to set 40 acres only plants enough for a little over 4 acres were secured. By taking off the cover for a week before setting, the plants were "hardened" so that there was no more wilting than with plants grown in the open air. The screening method is very expensive and is apparently more expensive than dry spraying or soaking of the soil with insecticides. Cabbage growers should secure the bulletin by sending to the Station for it.

May 9, 1908

CLEARING OFFER BEGONIAS & GLOXINIAS

Large, plump bulbs from a prize strain. Doz. 100 1000 Single, mixed \$0.30 \$1.60 \$15.00 Single, separate colors .25 1.75 14.00 Double, mixed .50 2.50 21.00 Double, separate colors .60 2.75 25.00

GIANT GLOXINIAS Doz. 100 1000 Choice, mixed \$0.50 \$2.50 \$20.00 Separate colors .60 2.75 23.00

JOHNSON SEED CO., 217 Market Street, Philadelphia, Pa.

SURPLUS

PEAS and BEANS at attractive prices to close out surplus. 40 bu. peas, first and best \$2.25 5 bu. peas, Alaska 4.00 20 bu. peas, Gradus 4.50 5 bu. peas, Nott's Excelsior 3.00 5 bu. peas, Premium Gem 3.00 15 bu. beans, Currie's Rust Proof 2.50 10 bu. beans, Improved Golden Wax 2.50 15 bu. beans, Burpee's Stringless G. G. 2.50 12 bu. beans, Red Valentine 2.25 5 bu. beans, Refugee 2.25 8 bu. beans, Wardwell's Kidney Wax 2.50 6 bu. beans, Mohawk 2.25 10 bu. beans, Dreer's Bush Lima 5.00 GLADIOLUS BULBS, large No. 1, fine mixture, \$4.00 per 1000. CAULIFLOWER PLANTS, Early Dwarf Erfurt, nice stock hardened, ready for planting, \$4.00 per 1000. CABBAGE PLANTS, Early Jersey Wakefield, Early Summer, and Large Charleston Wakefield, nice plants hardened ready for planting, \$2.00 per 1000; \$15.00 per 10,000. EGG PLANTS, Black Beauty, and N. Y. Improved Spineless, \$1.00 per 100. STRAWBERRY PLANTS, quality collection 500 plants in five varieties early to late for \$2.00. All above quick cash offer. Mention this paper. W. F. ALLEN, 102 Market St., Salisbury, Md.

XXX STOCK

Strong, 2 in. Ready for 3-inch pots. NASTURTIUM; finest dwarf, \$2.00 per 100. LOBELIA Crystal Palace, Extra fine dwarf; \$2.00 per 100. HELIOTROPE, dark, \$2.00 per 100; strong 2-1/2 inch, in bud, \$4.00 per 100. PELLARGONIUMS, Fancy Mixed, 3 in., \$6.00 per 100. AGERATUM, Gurney, Very strong, 3 in., \$4.00 per 100. PETUNIAS, New Star, very fine, \$2.00 per 100. PHLOX, finest dwarf, mixed, \$2.00 per 100. VERBENAS, California Giants, mixed, strong and bushy, fine, \$2.00 per 100. GIANT PANSIES, in bloom, \$1.50 per 100.

XXX SEEDS

CHINESE PRIMROSE. Finest grown, varieties mixed, 500 seeds, \$1; half pkt, 50c. CINERARIA. Finest large-flowering dwarf, mixed, 1000 seeds, 50c. GIANT PANSY. Best large-flowering, mixed, critically selected, 5000 seeds, \$1.00, half pkt, 50c. PRIMULA OBCONICA: Finest Hybrid Giants, mixed; many new colors, 1000 seeds, 50c. Cash. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa. THE HOME OF PRIMROSES

Gladiolus "America" FOR FORCING

Strong bulbs, \$60.00 per 1000. Florists' white and light, mixed, \$12.00 per 1000. Iris Kaempferi, named, \$50.00 per 1000. Iris Kaempferi, mixed, \$30.00 per 1000. Phoenix Roebelenii, 2 inch pots, \$7.00 per 100. Phoenix Roebelenii seedlings, \$4.00 per 100. Lilliums in great variety. New trade list now ready. 8 per cent. discount for cash with order.

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PLANT CULTURE

Price, - - - \$1.00. A. T. De La Mare Ptg. & Pub. Co. 2 to 8 Duane Street, New York

Surplus Cycas Revoluta Fine long-leaved stock. Sound, strong stems, weighing 3 to 6 lbs. We offer to close out: 100 lbs., \$6.00; 200 lbs., \$11.00; Cases of 400 lbs., \$20.00 ASPARAGUS PLUMOSUS NANUS SEED Fresh greenhouse stock, 90% germination..... 50c. \$3.00 \$13.50 ASPARAGUS SPRENGERI..... 15c. .65 3.00 Address H. H. BERGER & CO., 70 Warren St., New York

COLD STORAGE LILIES COLD STORAGE LILIES, mean that you can have Lilies all the year round. What are more useful, or give more character to the funeral piece than the Lily? We have, and can deliver at any time old storage Lilies, and can refer you to hundreds that are growing them. Why not you? LILIUM LONGIFLORUM GIGANTEUM is the only longiflorum that gives satisfaction from cold storage. We offer them as follows: LILIUM LONGIFLORUM GIGANTEUM (re-packed). 6 to 8 inch bulbs, 400 in a case, \$8.50 per 100; \$75.00 per 1000; case of 400 for \$30.00. 7 to 9 inch bulbs, 200 in a case, \$9.00 per 100; \$85.00 per 1000; \$25.50 per case of 200. 9 to 10 inch bulbs, 200 in a case, \$14.00 per 100; \$130.00 per 1000; \$26.00 per case of 200. ARTHUR T. BODDINGTON, Seedsman 342 WEST 14th STREET NEW YORK CITY

A HALF MILLION CALLA BULBS FOR SALE CALLA ETHIOPICA BULBS, 7 to 8 inch circumference..... \$65.00 per 1000 " " " 5 to 7 " " " 40.00 " " " 3 to 5 " " " 25.00 250 at 1000 Rates. Freight Prepaid when Cash is sent with Order. Orders booked now for July shipments. A. MITTING, 17 to 23 Kennan St., Santa Cruz, Cal.

Flower & Vegetable SEEDS The Best Kinds for Market, Gardeners and Florists Aster Seed, all the leading varieties. Tuberoses, Dwarf Pearl, 75c. per 100, \$7.00 per 1000. Dahlias, all the leading sorts. Roses, Lilies, Cannas, Geraniums, Artichokes. JAMES VICK'S SONS SEEDSMEN ROCHESTER, N. Y.

Established 1900 POAT BROS. (Formerly of Ettricks, Va.) BULB GROWERS HIGHLAND PARK RICHMOND, VA. NARCISSUS, TULIPS, IRIS PAEONIES, CROCUS SEND FOR CATALOGUE CUT FLOWERS FROM MARCH TO MAY

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MUSHROOM SPAWN made "Direct from Spores" of Selected Mushrooms Nature's only way of producing Spawn. If your Seedsmen cannot supply you write direct to us for pamphlet. ANGLO-AMERICAN SPAWN CO. Kennett Sq., Pa.

FISKE SEED CO. Make a specialty of ASTER SEED All the leading varieties Also FLORISTS' SEEDS for immediate planting H. E. FISKE SEED CO. 12 & 13 Faneuil Hall Square BOSTON, MASS.

FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds to growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. in postage stamps. Address American Spawn Company, St. Paul, Minn.

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For Florists and Market Gardeners. Send for Catalogue and Special Prices on your wants in FLOWER or VEGETABLE SEEDS and BULBS.

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NURSERYMEN, FLORISTS and SEEDSMEN

SEND FOR CATALOGUE

PAINESVILLE, OHIO

AMERICAN GROWN SEEDS.—The large amount of our comparatively common seeds which is annually imported is astonishing. An effort is making by the Department of Agriculture to induce the growing of more seeds at home, reducing the necessity for sending money abroad and at the same time widening the field for American growers. It is true there are some seeds which we do not yet know how to grow in the best manner. Not long ago the best beet seeds were grown in Germany; now the United States produces nearly all the seed it requires, and better than the German seed. There has been recently a considerable demand for good seed of rape and hairy vetch seed for forage crop planting. This is high-priced seed and much of it has to be imported. Hereafter it has not been thought possible to grow good cauliflower seed in the United States and large amounts are imported from Germany; but a few years ago a section was discovered in the State of Wisconsin where excellent seed of this vegetable can be produced. It is the belief of the Department of Agriculture that the climate, soil and agricultural conditions generally of the United States are so varied and diversified that experiments in all directions under scientific methods will develop the fact that there is some section somewhere in the country which will be found suitable to the perfection of nearly all, if not all, the seeds for which such large sums of money are now sent abroad. —Market Growers' Journal.

SEED CROPS ON LONG ISLAND.—Contrary to early expectations the cabbage seed crop bids fair to be much above the average. Owing to the cold dry weather during the growing season, September and October last, the plants made a poor showing when put in the trenches in November, other than a hardy growth and vigorous constitution. When taken from the trenches in April there was scarcely an output that had not made a vigorous and healthy growth, the only exception that has come to the writer's notice being a field of four acres of Savoy, which was a total failure; not a plant was saved.

The weather thus far this season has been a delight to all the Brassicas, cool and moist; the growth has been marvelous, and the present indication is far more than an average crop—a condition devoutly to be hoped for, as stocks of the leading sorts, particularly Wakefields, are very low and the demand exceedingly heavy. The Mammoth Rock Red will be short, as the plants were small; this variety requires a longer period of growth than any other, which it did not get.

Siberian kale promises a good yield, many pieces far above the average. Scotch kale is not doing as well; the unfavorable weather last Autumn did not make plants strong enough to produce a good seed crop, consequently this crop will be short.

Brussels sprouts. At the present writing the plants selected for seed purposes are looking well, but the crop is one that cannot be depended upon until near the harvest. The conditions favorable for a crop of the vegetable seem antagonistic for a good seed crop; hence the uncertainty of predictions.

The ruta bagen seed crop is annually getting less on Long Island in consequence of the price. But few farmers can be induced to grow it, and all other crops pay them better. The little grown is looking remarkably well, and fully 50 per cent. above the average crop is anticipated.

Seed Trade Notes.

There is in all branches of the seed business has slackened very materially this past week, with the one exception of the over-the-counter small garden orders, which will continue to make the rest of the month, in connection with the vegetable and flowering plant sales, and a good part of June extremely busy.

The extreme scarcity of so many seeds this season, especially in the vegetable line, has, as I pointed out, obliged many planters to use the so-called odd varieties more than in many years. It must have come home very forcibly to all of us, how comparatively few varieties would be used if our seed stocks were always complete with those standard sorts of vegetable and flower seeds that in nineteen cases out of twenty are always called for. We have endless varieties of almost all things; but how few we really need. Take for instance beans; with a good stock of Valentine and Golden Wax, in the dwarf sorts, and a couple of good pole kinds, most customers would be satisfied. The same conditions exist with regard to everything we catalogue; our lists could all be reduced very much without any detriment whatever to our trade, and with great good to the simplification of our seed stocks, and consequent expense of handling the same. There is no time to consider such matters better than the present, while recent sales have made it so perfectly plain how comparatively few varieties of both vegetable and flower seeds are actually needed, as compared with the multitudinous lists custom has ordained that our seed books shall contain.

As regards the sales of Spring bulbs, many seedsmen have this past season been very much disappointed in the small quantities disposed of, as compared with previous years. Gladioli, tuberose, and other sorts have sold very slowly as a rule. The same condition of lagging sales would seem to have applied to most of the vegetable and flower seed novelties of the season. It seems to have been a year when the standard seeds have had more than usual consideration. V.

European Notes.

It was too cold to put pen to paper last week, and in addition to this the holiday season, with its much needed rest after the rush of the past four months, was a sufficient excuse for the absence of the European Seed Notes. Now there is very little of a cheering nature to record. Easter might easily have been mistaken for a very cold Christmas and up to the end of the present week things have been going from bad to worse. The cold, biting winds from Siberia, which enveloped Erfurt in snow early in Passion-week, traveled quickly in a westerly direction, and Northern France and the British Isles are experiencing a second Winter. Fortunately for us while the thermometer registers from 5 to 10 degrees Fahr. below freezing point nearly every night we have heavy falls of snow at the same time, so that our young seedlings of peas, radish, spinach, etc., are fairly well protected.

While the foregoing is not very cheering, the news which reaches us from the best growing districts day by day are even more discouraging. The work of transplanting is still going on in some of the later districts, but in many of the silos the roots have kept very badly (probably as the result of the cold rainy Autumn), and the previous estimate of a 50 per cent. loss is too favorable. Once again the word of caution regarding advance sales is fully justified.

Next to beet, radish is the most interesting subject to us just now. Owing to short crops and recent heavy sales the stock of varieties most in demand on your side is practically exhausted. The growers were only persuaded to accept contracts after much palaver and a substantial advance in price, and there is no doubt that if the present unfavorable conditions continue they will pay no great attention to their crops. This is not to be wondered at when we bear in mind the many losses they have sustained during the past three years.

For the later and stronger growing va-

rieties it is very easy for us to seek "fresh fields and pastures new," but the more delicate forcing varieties have been developed in a district where climate and soil are alike favorable, and if the culture be definitely discarded there, where generations of experience have been available, the outlook is most discouraging and perplexing. An advance of 25 per cent. in the contract prices might at any rate stave off the evil day, but one really good harvest would do far better.

The following item of news has an Old World flavor about it that may be of interest, especially to that prince of antiquarians, Captain Landreth: "In grateful remembrance of the Recorder's Warrant issued in 1637 for the apprehension of persons using the trade of gardening in contempt of the Company's Charters, the Master and Commonalty of the Gardener's Company have asked permission to send annually to the Lord Mayor of London a basket of Flowers and Vegetables. The Lord Mayor has fixed July 1 as the date of the first presentation." EUROPEAN SEEDS.

RIGHT HERE IN CONNECTICUT HARDY ROSES

EXTRA FINE STOCK (LOW BUDDED)

\$1.25 per 10; \$11.00 per 100.
Magna Charta, Baroness Rothschild, Capt. Hayward, Gen. Jack, Capt. Christy, Mme. Chas Wood, Mme. Gabriel Luizet, Paeonia, Margaret Dixon, Mrs. John Laing, Paul Neyron, Perle des Blanches, Ulrich Brunner, Mme. Planter.
\$1.50 per 10; \$14.50 per 100.
Baron de Bonstetten, Gruss an Topfitz, Frau Karl Drusebkt, Soliel d'Or, Perslan Yellow, Marchioness of Londonderry.
Crimson Ramblers XX fine, 15c.

MISCELLANEOUS STOCK

Azalea mollis, fine, 15 to 20 buds 25c.
Rhododendrons, Parson's Hardy, best varieties 85c.
Honeysuckle, Hall's Japan, 2-year, fine 10c.
California Privet, bushy, 2 to 3 feet, fine, per 100 1.00
FANLIES, fine plants, bud and bloom, \$1.50 per 100.

DAHLIAS

Strong divided roots, 60c. per 10, \$5.00 per 100.
A. D. Livoni, Queen Victoria, White Swan, Ohan, Meteor, Fascination, Mrs. Dexter, Wm. Agnew, Mrs. Miller, Elegans, Maid of Kent, C. W. Bruton.
Your order will be shipped promptly.
Cash with order, please.

NORTH END NURSERIES, Maple St., THOMPSONVILLE, CONN.

CANNAS

Our selection, \$15.00 per 1000, \$1.75 per 100.

DAHLIAS

The Leading Varieties for Florists

Prices of named varieties of Dahlias, field-grown whole clumps, 40c. per doz.; \$3.00 per 100; \$25.00 per 1000. All kinds mixed 30c. per doz.; \$2.50 per 100; \$20.00 per 1000.

CALADIUM

Caladium Esculentum—(Elephant's Ear)

Bulbs measuring 6 to 8 inches in circumference, 25c. per doz.; \$1.50 per 100; \$10.00 per 1000.
Bulbs measuring 8 to 10 inches in circumference, 50c. per doz.; \$3.25 per 100; \$30.00 per 1000.
Bulbs measuring 10 to 12 inches in circumference, 75c. per doz.; \$5.50 per 100; \$50.00 per 1000.

TUBEROSES

Dwarf Double Penrl, "Imperial Strain," the best of all, selected Bulbs, 4-6 in. circumference, 90c. per 100; \$8.50 per 1000. 3-4 in. circumference, 50c. per 100; \$4.50 per 1000.

SHELLROAD GREENHOUSES, BALTIMORE, MD.

DAHLIAS

4 best for cut flowers.
A. D. Livoni, pink; Arabella, light; Lyndhurst, vermilion; Queen Victoria, yellow, field clumps, \$5.00 per 100.
Per 100
VINCA variegated, 2 in. \$2.00
GAZANIA Splendens, 2 in. 2.50
ASPARAGUS Sprenger, 3 in., very strong 5.00
GERANIUMS, Mme. Sallerol, 2 in. 2.50
DRACAENA Indivisa, 1, 5 and 7 in. 20.00
SINGLE HOLLYHOCKS, fine strains, strong 2.00
COBEA Scandens, 2 in. \$2.50 per 100.
CENTAUREA Gymnocarpa (Dusty Miller) 2-in. \$2.00.
Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

STRAWBERRY PLANTS

Strong young plants, well packed, 500 of one variety only, at 1000 rates, the following at 50c. per 100; \$2.50 per 1000: Michel's Early, Mount's Early, Success, Virginia, Morning Star, Tennessee, Dunlap. The above all early. Downing, Haverland, Bubach, Auto, Glen Mary, Marshall, Saunders, Nick Ohmer, Sample, Parson's Beauty and Robbie, Midseason varieties, Gandy, Steven's Late, Aroma, New Home, Commonwealth, Brandywine, and Crimson Cluster. Late Varieties: The following at 75c. per 100; \$3.00 per 1000: President and Cardinal, Chas. Peake, \$1.00 per 100.

CHAS. BLACK, Hightstown, N. J.

VEGETABLE PLANTS

CABBAGE, Wakefield, L. I. Second Early, Early Flat Dutch, Early Summer, Winnigstadt, and other later varieties, \$1.00 per 1000; \$5.50 per 10,000.
BEETS, Eclipse, Crosby and Egyptian, 25c. per 100; \$1.25 per 1000.
LETTUCE, Boston Market, Tennis Ball, Big Boston and Grand Rapids, 20c. per 100; \$1.00 per 1000.
CELERY, White Plums and G. S. Blanching, 20c. per 100; \$1.00 per 1000.
Cash with order.

R. VINCENT, Jr. & SONS CO., White Marsh Md.

TEN THOUSAND
VERONICA LONGIFOLIA SUBSESSILIS
BLUE JAY FLOWER
Fine field grown plants at \$5.00 per 100; \$40.00 per 1000. From 2 1/2-inch pots, well-rooted with solid balls at \$3.50 per 100; \$30.00 per 1000.
It is the best Hardy Perennial producing blue flowers. One of the very best of all hardy plants for commercial cut flowers. Large dense spikes on long stems in great profusion all Summer. Will keep a week in good condition after gathered.
J. T. LOVETT, Little Silver, N. J.

PLANTS FOR 2cts.

Swainsona alba, 2 in., 2c. Feverfew, Heliotrope, Caphea, Coleus, White Ageratum, 2 in., 2c.
FEVERFEW, double white, nice young plants, 75c. per 100.
SINGLE HOLLYHOCKS, field, 2 1/2c.
VINCA var.; Alternanthera, red and yellow; Stock Princess Alice, 2 in., 2c.
Forget-me-nots, Double Daisies, \$2.50 per 1000.
Wallflowers, Digitalis, field 1c.
VINCA var., large bench plants, 6c.
PANSY PLANTS, in bud, \$3.00 per 1000.
STEVIA, dwarf, 2 in., 2c.
DUSTY MILLER, 2 in., 2c.
FUCHSIAS, 8 kinds, 2 in., 1 1/2c.
SWEET ALYSSUM, Single dwarf, 2 in., 1 1/2c.

Rooted Cuttings below prepaid per 100

Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c. Vinca Variegata, 90c.; Fuchsia, 5 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Alexandra, \$1.25. Flowering Begonias, \$1.25; Coleus, 10 kinds, 60c.; Ageratum, Intimabile, white, 60c.; Alternanthera, 3 kinds, 50c.; Salvia, Bonfire, 90c.; Feverfew, Gem, \$1.00; Parlor Ivy, 75c.
Cash or C. O. D.

BYER BROS., CHAMBERSBURG, PA.

Dracena Indivisa

700 GOOD STRONG PLANTS, 2 to 4 feet high, from \$1.00 to \$25.00 per dozen.

HENRY RUDOLPH
Telephone, 6 Caldwell, N. J.
ESSEX FIELDS, - N. J.

CANNAS

Strong plants from pots, 40 leading varieties, \$5.00 per 100.
ESTATE OF DAVID FISHER, Woburn, Mass.

CABBAGE PLANTS

Jersey Wakefield, ready for field, \$1.25 per 1000. Tomato, all kinds, \$1.50 per 1000.
J. C. SCHMIDT, Bristol, Pa.

A RECORD TO BE PROUD OF

The Florists' Hall Association has paid 1,040 losses amounting to \$102,000.00 For particulars address

JOHN C. ESLER Saddle River N. J.



(86) Growing Roses a Third Year.—I have a house of Bride, Bridemaid, Richmond and Kaiserin Augusta Victoria roses; all have done well. I want to know whether I am safe in growing them the third year. All grafted stock. WANDERING JEW.

—If the stock is clean and healthy, we would not hesitate a moment about growing the roses for a third term. The tendency nowadays is toward large, long-stemmed flowers, and three-year-old plants, if grown carefully, are just the stock for producing that class of blooms.

(87) Raising Pansies from Cuttings. Is it practical to root pansy cuttings; if so, when and how should it be done? Ohio. E. S.

—Pansies can be propagated by division of root stools, by layering runner-like top growth and also by rooting short, sturdy shoots, taken from plants in the Spring or in September and October. A frame or, what is still better, a hotbed nearly spent but yet for a week or two affording a bit of bottom warmth for the cuttings, is the place to root them in. The frame is to be kept closed and shaded during sunny and especially windy days, but should be entirely open and the sashes laid off during the hours of calm, fine nights. It is a mode of propagation certain to succeed but recourse to which is but rarely had by florists who must ply their trade with the object of making it pay. And it does seem unlikely that propagation by cuttings could be made to pay, unless the stock plants are miracles in their way, their flowers of matchless size, beauty and substance, not equaled in point of excellence by any as grown by every practical florist annually from the finest strains of pansy seeds. In point of vigor and reliability for bedding purposes, pansies raised from seeds every year and treated as annuals surpass any propagated by division, layering or cuttings.

F. W. TIMME.

(88) Fronds of Nephrolepis Scottii Coming Malformed.—I send you a plant of N. Scottii on which many of the fronds are twisted. The plant does not seem to grow out of the trouble. What is the cause and remedy? New York. H. M.

—Malformed fronds on Nephrolepis Scottii have not infrequently appeared since this fern has been grown in quantity, and various opinions have been expressed by the growers as to the cause of the trouble. The most likely cause, however, is having too much water both overhead and at the root, before the plants are well-established. Another possible cause is indigestion due to too much strong feeding, for while these ferns will assimilate much manure after they are well rooted, yet it is possible to overfeed them. The plants will sometimes grow out of this condition, though not always, and if I were handling them I would trim out the worst fronds and hold them for a second growth, keeping them somewhat drier, though avoiding absolute drouth, and give plenty of ventilation.

W. H. TAPLIN.

BEDDING PLANTS GERANIUMS

Table listing geranium varieties and prices: 2000 Pottierine, in 4 in. \$5.00; 5000 S. A. Nutt, 3 1/2 in. \$5.00; 2000 S. A. Nutt, 3 in. \$4.00; 2000 Double Gen. Grant, 4 in. \$5.00; 2000 Double Gen. Grant, 3 in. \$4.00; 5000 Mme. Salleron, 2 1/2 in. \$2.50.

CANNAS

5000 A. Bouvier, Queen Charlotte, Pres. McKinley \$2.50

PETUNIAS

5000 Dreer's strain, double and single, 3 in. \$3.00; BOSTON FERNS, 3 in., \$5.00 per 100; 6 in., \$25.00 per 100; 7 in., \$35.00 per 100.

ROBERT A. ELLIOTT, MORRISTOWN, N. J.

Dreer's Hardy Perennials

Largest assortment of desirable varieties. Plants of proper size to give best immediate results. For complete list of varieties see our current wholesale list.

Many planters not thoroughly familiar with this class of plants have an idea that nothing but a large, field-grown clump will give satisfactory returns for the season. This, as experience has taught us, is in most instances a mistake. A vigorous plant of proper size will, in nearly every case, give quicker and better returns than the best so-called "field clumps" that can be procured. It will be noticed that the majority of the stock offered in this list is described as being 3, 4 or 5 inch pots. This does not necessarily mean that the plants have been altogether pot-grown, but that they have been field-grown and dug and potted up during the Fall and early Winter months, and such stock can be planted even late in the Spring, with practically no loss, which in the case of clumps, is often quite serious.

Table listing various perennials and their prices per dozen and per 100. Includes Achillea, Anemone, Aster, Campanula, and many others.

Table listing perennials and their prices per dozen and per 100. Includes Hebe, Grandifolium, Primula, and others.

Table listing perennials and their prices per dozen and per 100. Includes Genothera, Papaver, Chrysanthemum, and others.



Anemone Queen Charlotte.

Table listing perennials and their prices per dozen and per 100. Includes Anemone, Hebe, Hollyhock, Hypericum, Iberis, Iris, and others.

Table listing perennials and their prices per dozen and per 100. Includes Stachys, Sedum, Atropurpurea, Solidago, Spiraea, and others.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

MAMMOTH VERBENAS

Large plants, from soil, 60c. per 100, by mail; \$4.00 per 1000, by Express; 2 in. pots, strong plants, coming in bud, \$1.50 per 100; \$12.00 per 1000.

PANSIES, Giant Trimardeau, finest mixed, transplanted plants, 50c. per 100; \$3.00 per 1000. PANSIES, extra large plants, in bud and bloom, \$1.00 per 100; \$5.00 per 1000.

GERANIUMS, in bud and bloom, 4 in. Nutt. Double Grant, Poitevine, Vland, Jaulin and White, \$5.00 per 100.

HILL TOP GREENHOUSES, 15-16 Gray Ave., UTLICA, N. Y.

HYDRANGEA

From 4 in. pots. OTAKSA MONSTROSA \$6.00 per 100; 5 in., \$2.00 per dozen, \$15.00 per 100; 6 in., \$20.00 per 100. A limited number of large plants, 10 in. pots, \$1.00 each; all pot-grown. CYCLAMEN P. Giganteum, 100, koka, etc., from 2 1/2 in. pots, \$3.00 per 100. PANSIES, Queen Alexandra, 2 1/2 in. pots, \$2.00 per 100; 4 in., \$5.00 per 100; 5 in., \$12.50 per dozen; all in bud, fine stock for Decoration Day. PANSIES, good, transplanted stock, \$3.00 per 1000. Cash.

E. FRYER, JOHNSTOWN, PA.

BEDDING PLANTS

SALVIA Bonfire, 1 in., \$3.00 per 100. GERANIUMS, 1 in., \$1.00 per 100. VERBENAS, DUSTY MILLER, ALTERNANTHERAS, red and yellow, PETUNIAS Single BEGONIAS, 1 1/2 in., 2 in. pots, \$2.00 per 100; \$15.00 per 1000. VINCA Variegata, 4 and 5 in. pots, 10 to 20 lead, \$8.00 and \$10.00 per 100.

J. S. BLOOM, Riegelsville, Pa.

RHODODENDRONS

HARDY HYBRIDS, 1 1/2 ft., 2 ft., 3 ft., 4 ft., 5 ft. **BOX**, all sizes **Bush**, Pyramid and Standard. **ROSE** S, large assortment Hybrids and Climbing.
HERBACEOUS PERENNIALS, 1000 varieties
 Send for General Catalog and Trade List.
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Magnolia
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EVERYTHING WORTH PLANTING
Roses a Specialty **All kinds of Fruit Trees**
 Ornamental Trees and Shrubs, Evergreens, Berries, Herbaceous Plants
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 62 Years **GENEVA, N. Y.** 700 Acres

Boxwood
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 4-6 ft.
 Spiraea Van Houttel
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HARDY NEW ENGLAND GROWN NURSERY STOCK
 WE GROW A GENERAL ASSORTMENT OF
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.
 Prices Reasonable. Wholesale Trade List for the asking.
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SPECIMENS
RETINISPORA, HEMLOCK, WHITE PINE
 Any size you want up to 7 feet. Come and see the blocks.
HIRAM T. JONES, Ulou County Nurseries, 49 North Avenue, **Elizabeth, N. J.**

AMERICAN NURSERY COMPANY We Can Supply Your Every Need. Write for Prices.
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DORMANT CELLARED STOCK
 In prime condition; ready for prompt shipment.
ROSES, strong, two years, field-grown:
 Crimson Rambler.....\$8.00 per 100.
 Dorothy Perkins.....8.00 per 100.
 Baby Rambler.....10.00 per 100.
CLEMATIS, strong, two years, field grown,
 No. 1 grade, Jackmanni, Henryi, Ramona,
 \$14.00 per 100.
AKEBIA QUINATA, 4-6 ft., \$10.00 per 100.
ENGLISH IVY, strong, field-grown, \$6.00 per 100.
WISTARIA, Chinese White, 2-3 ft., heavy clumps, \$25.00 per 100.
WISTARIA, Chinese Purple, 12-18 inches, heavy clumps, \$12.00 per 100.
 Also the following not dug, but can be shipped promptly:
ARBOR VITAE, American, 4-5 ft., \$20.00 per 100.
ARBOR VITAE, American, 3-4 ft., \$15.00 per 100.
IRISH JUNIPER, 18-24 in., \$9.00 per 100.
NORWAY SPRUCE, 3-4 ft., \$12.00 per 100; \$100.00 per 1000. Send for list.
JACKSON & PERKINS CO., Newark, N. Y. Nurserymen & Florists Wholesale Only

AMERICAN EVERBLOOMING HYDRANGEA Strong plants from pots for planting in nursery during May and June. These plants with us make 2 to 4 feet growth, with abundant blooms the first season. Price, \$8.00 per 100; \$75.00 per 1000.
(H. ARBORESCENS STERILIS)
THE E. Y. TEAS COMPANY, CENTERVILLE, IND.

THREE REMARKABLE CANNAS
KING HUBBERT. A marvel in bedding Cannas and the finest by far up-to-date. Deep bronze leaves and immense salmon-scarlet flowers in enormous heads; producing a blaze of color.
EMIL WIELAND. The most profuse blooming of all Cannas and presents a more brilliant effect than any other.
BLACK BEAUTY. The richest in color of leaves and surpassing all others in foliage effect.
 Strong plants in 3 1/2 inch pots (some in flower) \$1.50 per dozen; \$10.00 per 100.
 A full assortment of choice popular varieties of **Cannas** at \$8.00 per 100. List with descriptions mailed for the asking.
J. T. LOVETT, - Little Silver, N. J.

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 Just Received From Our Holland Nurseries:
Rhododendrons, Azaleas, Spiraea Japonica, Lilium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis and H. P. Roses in the best sorts.
PRICES MODERATE

ENGLISH IVY
 Heavy 2 and 3 year old plants, with bright, fresh foliage, potted in 4, 5 and 6 in. pots.
AMPELOPSIS VEITCHII
 2 year vines in 3 and 4 in. pots. Write for prices.
The Wm. H. Moon Company
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BERBERIS THUNBERGII

18 to 24 in., \$50.00 per 1000
 24 to 30 in., \$60.00 per 1000
Hollyhocks
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Viburnum Dentatum, etc.
Littlefield & Wyman, North Abington Mass.

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OAKS AND MAPLES
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ANDORRA NURSERIES
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 Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Peonies
Pot Grown Plants for Forcing
RHODODENDRONS, H. P. ROSES, Etc.
 Catalogue free on demand

HEMLOCK-SPRUCE
 Bushy little trees, twice transplanted, well-rooted.
 100 2 to 3 ft. 100
 200 1 1/2 to 2 ft. \$20.00
 100 15 to 18 in. 15.00
 500 NORWAY SPRUCE, 15 to 18 in., \$5.00 per 100; 300 Norway Spruce, 18 to 24 in., \$8.00 per 100; 200 Norway Spruce, 2 to 2 1/2 ft., \$10.00 per 100.
MAURICE J. BRINTON, CHRISTIANA, PENN.

Berberis Thunbergii
 18 to 24 in., 12 to 18 in., all well branched and good roots. 10,000 Vinca Minor (Grave Myrtle). 5000 Red Oak, 3 to 5 ft. Norway Spruce, 12 to 18 in.
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Evergreens in Frames.

Those who have propagated evergreens from cuttings or seeds indoors during the Winter will be thinking of giving them some other position at this time. Such rooted cuttings or seedlings will be too small to set out to take their chance among general nursery stock, and the best place for them is some open frame, where they will get some attention and be more protected than when in a general nursery position. When set out in frames attention can be given them in the way of water, should they need any, which care will enable the plants to grow much faster than they would do without it. Then, too, when Winter comes it is practicable to place a few forest leaves over them to prevent the ground freezing too hard, which is a great advantage to them.

In very favorable seasons when rains are ample in Spring and Summer such young plants as are referred to have been known to do very well set out directly in nursery rows, but seasons of this nature are unreliable, and with dry seasons very many of such young plants die outright; so that in every way it pays to plant them in frames.

Grafting Outdoor Stock.

In the colder States the month of May brings around the season for grafting of outdoor stock. A great deal of attention has been given of late to raising the improved kinds of nuts, and the grafting of them—chestnuts, pecans, walnuts and the like—is now in order. Then there are the various weeping trees, all of which, with few exceptions, are raised by grafting. Teas' weeping mulberry, Catalpa Bungei, Camperdown elm, Kilmarnock willow, weeping ash, weeping mountain ash, weeping dogwood, the various drooping birches and the like, can all be increased by grafting, and many of them by budding in August.

As to the proper time to graft it is when the state of the stock shows its sap is active. Swelling buds show this. The cions, of course, have been cut some time in advance, and kept in a cold place, so that they are entirely dormant. In this condition grafting may go on even though the stocks are in leaf, but success is not so well assured then as it is when the stocks are still without leaf growth.

There is a difference of opinion as to the benefit or not of cutting away all growth of the stock, as soon as that of the cion is assured. When the growth on the stock is below the grafted part and in moderation only it is probably a help rather than a hindrance, adding strength to all parts, but no growth of any kind should be permitted to be on a level or above the cion. In Autumn, sometimes earlier, all growth but that of the cion may be cut away, depending on whether it appears to be robbing the cion or not. The more leaves a young tree carries the stronger it becomes, but leaves and wood growth must not be allowed at the expense of the well-doing of the grafted part.

After Treatment of House Azaleas.

Very often azaleas that have been used for house decorations are not at all desirable looking objects. Those who have them in charge are rarely florists, hence the ill-looking subjects the plants many times present. Often a branch has been broken here and there to add to other ill conditions they have had to endure. If the plant is of good shape it will need no pruning, otherwise it should be brought into shape by a good trimming, which these plants do not mind at all. In fact, an azalea may be pruned back to its leafless growth and be the better for it often, as it will break afresh from its old wood, which many other plants will not do.

If the pots the plants are in are of fair size there is no need to disturb the plants. In fact, azaleas do not desire large pots, and a size deemed too small, as plants go, will be found large enough for them. What they do like is a little food in the way of manure water at times when they are growing—not much of it; a light watering with it once a month is sufficient. As soon as warm weather comes in Spring azaleas should be set out of doors, the pots plunged to their rims, or deeper if desired. If deeper, nature will take care of the watering, and the plants do as well as if under any other conditions.

Should the plants not be nice specimens nor likely to be for a year or two, it is just as well to plant them out in the nursery ground, there to remain until they have again reached a stage of growth entitling them to be considered good plants for selling in pots.

Plants to remain for a year or more in nursery rows must be of the hardy kinds, which really embrace all common azaleas, excepting the Indian ones, represented by the old *Indica alba* and other well-known greenhouse

varieties. Even a few of these latter are hardy. *Indica alba*, for instance, is hardy about Philadelphia, except when in a bleak position.

Pruning Halesias.

Halesia tetraptera is flowering now, and a week later *H. diptera* will follow it. Both are Southern trees, but *H. tetraptera* will thrive farther North than *H. diptera*.

As usually seen, these trees are let grow at will, and they do not make handsome specimens, as a rule, being inclined to a straggling appearance. This can be remedied and handsome shrubs or trees made of them by pruning, and as soon as flowering is over is the time to do it. Prune them to get shape and to obtain young shoots for flowering purposes.

Whether to have them in tree shape or in shrub style is a matter that can be decided by pruning. It is usually easy to start the growth confined to one shoot, which will give the tree shape in time. If a shrub shape is preferred and there is but one shoot to the plant, cut back this shoot to within six inches of the ground. This should cause several shoots to appear; if it does not, pinch off the ends of what growth is made two or three times during its Summer growth.

When halesias are shapely specimens they are extremely pretty when in flower. They bloom when but 4 feet high, although both species are really trees when in soil that suits them.

Elderberries as Ornamental Shrubs.

The elderberry, as seen growing wild, has not many attractions, often owing to its being in surroundings which are in themselves unattractive. This applies to our common wild one, *Sambucus canadensis*. But this one can be used to advantage when set along the banks of a lake or pond and given space to grow and a little attention in the way of shapening. Its clusters of white flowers and its dark colored berries later are interesting.

There is a variety of this elder differing from the type in having berries of a dark red color. The flat clusters of these berries are attractive, ripening in Autumn, when those of the common one do. It is sometimes called red-berried elder, but this common name is properly applied to two of our native species, the *S. pubens* and *S. racemosa*. These are quite unlike the common wild *S. canadensis*. The flowers come very early in Spring; they are in small racemes, not in flat heads, as those of *S. canadensis* are, and they seem hardly out of flower before the clusters of red berries appear. They look so uncommon that the name red-berried elder is well applied.

The *Sambucus niger* is the English, or European elder. It is a tree, almost, when age has been attained. Excepting in its heavier growth, there is no striking difference between it and our *S. canadensis*.

There are several forms of the common elder, *S. canadensis*, a cut-leaved, a golden-leaved and a variegated-leaved among them. These all have their uses. The



Star Bed of Coleus, etc., at Pelham, Philadelphia, Pa.

Flowering Cherries.

In early Spring few flowering trees give greater pleasure than the several kinds of flowering cherries. The large trees of the flowering cherry seen in collections are all of the good old Chinese double white. For years it was the only one in collections, but in these days there is the Japanese one, known as Sieboldi rosea plena, and within a few years past another one from Japan, known as Veitchii, has been introduced; but in a general way it resembles Sieboldi very much. The Sieboldi is preferred in collections—leaving aside just now consideration of the Veitchii—because of its beautiful rosy pink flowers. This rosy pink color is evident in the bud and in the flowers when in their prime, but as they commence to decline they change to a white color. They are very double, making a most handsome display; and when the trees are of good size, no handsomer sight is to be seen. There are very few trees bearing blossoms of like color at any time of the year.

So far as young specimens enable one to decide, Veitchii appears to differ but little from Sieboldi—not enough to be able to describe, at any rate; but a difference may exist which may disclose itself later on.

This is the time to set out stocks of the Mazzard cherry for the purpose of budding on these flowering cherries in August or September. Stocks set out now, of average size, will make a girth quite large enough. If Mazzard stocks are unobtainable the Mahaleb will answer, but the growth of the Mazzard is stronger than that of the other, making a larger tree.

golden when in groups at a distance looks well, but the foliage is too coarse for many positions.

Star Bed of Coleus.

Our illustration shows a beautiful bed of plants, displayed on the lawn of a residence fronting one of the main drives of Pelham, Philadelphia, in the Summer of 1907. It was on a slight elevation but sloping toward the avenue, and at the junction of two wide sweeping avenues of Pelham, so that its display was enjoyed by all, both pedestrians and those who were driving.

As will be noticed, not many varieties of plants were used, yet what a pretty combination they present! Outside is a row of the common yellow-leaved coleus, next a coleus of the Victoria type, with its pretty colors, then comes the well-known *Froese* (*Achyranthes Lindenii*), invaluable because of its blood-red leaves, and last of all, as a center plant, is another indispensable subject, *Dracaena indivisa*.

Owing to the late Spring the plants were not set out very early, and this may account for their beauty so late in Autumn, for November had come before the beauty of the bed had entirely disappeared.

The large trees in the background were there long before the dwelling was built, being on what was part of the estate of the late George W. Carpenter, some being of natural growth, others set out in Mr. Carpenter's time. But how nicely the house appears ensconced in the midst of them; and the whole arrangement of the ground is to be admired.

JOSEPH MECHAN.

60,000 GRAFTED ROSES

Chatenay, Killarney, Richmond, Liberty, La France, in rose pots, \$15.00 per 100; 3 1/2 inch pots, \$18.00 per 100.

Bride, Bridesmaid, Golden Gate, Kaiserin, in rose pots, \$10.00 per 100; 3 1/2 inch pots, \$15.00 per 100.

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\$27.50 per 1000. Antoine Rivolt, Bessie Brown, Cl. Meteor, Etoile de Lyon, Gruss an Tepiltz, Helen Gould, Hermosa, La France, Mme. de Watteville, Mme. Welche, Maman Cochet, M. Nell, Mrs. B. R. Cant, Mrs. Degraw, Papa Gontier, Souv. de P. Notting, Striped La France, White Bougere, White Cochet, Yellow Cochet, Meteor.

\$30.00 per 1000. Gainesboro, Kaiserin, Mrs. Robt. Garrett, Rosalind Orr English, Pres. Carnot, Wellesley.

\$10.00 per 1000. Angello Peluffo, Cherry Tipte, Helen Guillot, Mme. Leon Palm, Mme. Jenny Guillemot, Joseph Hill, R. M. d'Italia. The above in any amounts at 1000 rate.

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Queen's Scarlet Lady Gay
Crimson Rambler Sunrise, 100, \$3.50
100, \$3.50; 1000, 100, \$3.50.
\$30.00 Joe Hill, 100, \$4.00
Kaiserin Heleu Good, 100, \$5.00.
Perle des Jardins Baby Rambler, in
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HYDRANGEA, Arboreascens Grandiflora
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Indianapolis.

Current Items. All landscape work, also garden- ing, has been held in abeyance for some time by adverse weather conditions. This also holds the seed business in check. The various seed houses are well pre- pared for an annual trade, but so far little has materialized. Several large eastern firms have also canvassed this section thoroughly and caused heavy inroads on the local customs. Mail at Martinsville, Ind., April 26, caused much damage to the greenhouses there. No insurance is carried by the firm, which is much sympathized with by the local craft who have just recovered from the same experience. Frank Lichtenberg, manager for Mr. Wolfskill, the florist at Los Angeles, Cal., is visiting here. Mr. Licht- enberg is to continue his way East to New York in the interests of his firm. The State Florists' Association of In- diana will hold its monthly meeting at the State House, May 5. The Smith & Young Company is pre- paring to add another large house to its Cumberland establishment. Tomlinson Hall market reports a slow business the past week. Little other than bedding stock is offered, and not much wholesale business is maintained at this time. The many friends of E. G. Hill in this city are pleased to learn that he has been invited to act as judge at the French rose exhibition this Summer. Visitor: W. Hagemann, New York. I. B.

OBITUARY

Mrs. Charles Hurn, Charles Smith, James B. Tully, Plant Originator's Portion, Publications Received, Question Box, Seed Trade Report, Baltimore, Indianapolis, Detroit, Pittsburgh, Cincinnati, St. Louis, Newport, R. I., Philadelphia, Wash- ington, Kalamazoo, Mich., Boston, Cleveland, Chicago, New York, Tulip, A Monster (Illus.), Vincent, Jr., Richard, Abroad, Week's Work, The

PLANT CULTURE

PRICE, \$1.00. The best book for the plant grower. A. T. DE LA MARE PTG. & PUB CO. LTD. 2-8 Duane St. New York.

GRAFTED ROSES

FINE STOCK, READY NOW Killarney, Carnot, Kaiserin Augusta Vic- toria, Uncle John, from 2 1/2 in. pots, \$2.00 per dozen; \$15.00 per 100; from 3 in. pots, \$3.00 per dozen; \$18.00 per 100. The Bride, Bridesmaid, Golden Gate, Richmond, from 2 1/2 in. pots, \$2.00 per dozen; \$12.00 per 100; from 3 in. pots, \$2.50 per dozen; \$15.00 per 100. OWN ROOTS Killarney, 2 1/2 in. pots, \$1.00 per dozen; \$6.00 per 100. Richmond, Sunrise, Sunset, Kaiserin, Pres. Carnot, from 2 1/2 in. pots, \$5.00 per 100. Bride, Bridesmaid, Golden Gate, from 2 1/2 in. pots, \$4.00 per 100. CARNATIONS From Pots: Fine Healthy Stock. READY NOW: Winsor 7.00 \$60.00, White Enchantress 7.00 60.00, Helen M. Gould and Beacon 7.00 60.00, Melody 5.00 50.00, Darheim and Estelle 4.00 40.00, Mrs. T. W. Lawson, Boston Mar- ket and Harlowarden 3.50 35.00, Kingston Pel, darker than Rose Pink Enchantress, from pots 7.00, Enchantress, Lady Beautiful, Red Lawson, Variegated Law- son, and White Lawson 4.00 35.00

CHRYSANTEMUMS

A. J. Balfour, Autumn Glory, Ada Spauld- ing, Col. D. Appleton, Crema, Cullingford, Dr. Engelhard, Dorothy Devens, Geo. Kalb, Gray Pacific, Harry May, H. W. Klemm, Ivory, Jennie Nomin, J. E. Lager, J. H. Prox, Jerome, Jones, Miss Minnie Wanamaker, Miss Alice Byron, Mrs. Baer, Miss M. M. Johnson, Major Brunafton, Mad. Ferd. Berg- mann, Nagoya, Polly Rose, Pink Ivory, Robt. Halliday, Sodeil D'October, Timothy Eaton, Vivand-Morel, W. H. Lincoln, Mrs. Robt. McArthur, Wm. Duckham, Xeno, Yamona, F. A. Cobbold. Price from 2 1/2- inch pots, \$3.00 per 100; \$25.00 per 1000. Rooted Cuttings, \$1.50 per 100.

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Stolon plants from 3 1/2 in. pots (30 fine named varieties), \$6.00 and \$8.00 per 100.

VERBENAS

Best Mammoth, from pots, \$3.00

TRADE NOTES

Baltimore, Indianapolis, Detroit, Pittsburgh, Cincinnati, St. Louis, Newport, R. I., Philadelphia, Wash- ington, Kalamazoo, Mich., Boston, Cleveland, Chicago, New York, Tulip, A Monster (Illus.), Vincent, Jr., Richard, Abroad, Week's Work, The

Baltimore.

New Items. At the last meeting of the Garden- ers' Club Professor Corbett, Wash- ington, D. C., gave an interesting talk on the use and proper treatment of soil in the raising of flowers and fruit. John Cook exhibited his fine new rose My Maryland. The sculptural show closed on Thursday, April 30, and was a great success, both artistically and finan- cially. C. L. S.

Cycas Revoluta Stumps

Just Arrived. 25 lb., \$2.00; 100 lb., \$7.00

ASPARAGUS Plumosus Nanus, \$2.00 per 1000 seeds. ASPARAGUS Sprengeri, 75c. per 1000 seeds.

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GROWERS OF CHRYSANTHE- MUMS WHO HAVE MORE YOUNG PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

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Ready for Immediate Sales Size Per pots 100

- Mlyssum 2 1/2 \$3.00, Alycaphia Macfleckna 2 1/2 6.00, Achyranthes, Emersonii, etc. 2 1/2 3.00, Abutilon Savitzi 1.00, Ageratum, Copes Per 2 1/2 2.00, White Cup 2 1/2 2.00, L. Bonnet 3 5.00, P. Pauline 3 5.00, Stella Garney 2 1/2 3.00, Alternanthera, red and yellow 2 3.00, Ampelopsis Veitchii, pot grown 3 8.00, Begonia, flowering varieties 3 10.00, Begonia, flowering varieties 2 1/2 4.00, Brovallia speciosa major 2 1/2 6.00, Cuphea Platycentra 2 1/2 3.00, Coleus, all the leading varieties 2 1/2 4.00, Dracena Indivisa, fine stock, 5 25.00, " " " " 4 20.00, English Ivy 3 1/2 8.00, Feverfew, double white 2 1/2 3.00, Fuchsia, double and single 2 1/2 3.00, Geraniums, double and single, Strong 3 1/2 7.00, " Special Color or variety 3 1/2 8.00, " Double and single 2 1/2 3.00, " Ivy Leaved 2 1/2 8.00, Gazania Splendens 2 1/2 1.00, Heliotrope, light and dark 3 1/2 6.00, " varieties 2 1/2 3.00, " " " " 2 1/2 3.00, Ivy, German 2 1/2 2.00, Lantana, 12 best varieties 3 5.00, Lobelia, New Double Blue 3 8.00, Moonflower 4 10.00, " " " " 2 1/2 4.00, Petunias, double 3 6.00, Petunias, single 2 1/2 3.00, Salvia, splendens and Bolman 3 1/2 5.00, " " " " 2 1/2 3.00, Stevia compacta 2 1/2 3.00, " " " " 2 1/2 3.00, " " " " 2 1/2 3.00, Trapaeolum, double red and yellow 2 1/2 4.00, Vinca, variegata and elegans 3 1/2 10.00, " " " " 3 5.00, " " " " 2 1/2 3.00, Violets, Marie Louise 2 1/2 \$25.00 per 1,000

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Special Clearance Sale

Of reasonable stock. The below stock is fine, the prices are cheap and they will go quick. If you need anything on this list, better order today.

Table listing various plants such as Achilleas, Abutilons, Alyssum, etc., with columns for 'Per doz.', '100', and '1000' prices.

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Agatha, (Vellozo) (Improvement on Gloire de Lorraine), an earlier grower, earlier flowering...

BEGONIA Gloire de Lorraine, strong young plants from leaf cuttings, ready for delivery early in June...

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LARGE PLANTS, 4 in. pots, 2 yrs. old, of the true old-fashioned sweet LAVENDER...

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Strong rooted cuttings, red and yellow, 50c. per 100, or \$4.00 per 1000.

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THE WEEK'S WORK

Timme's Timely Teachings.

Crotons.

Among hot-house subjects now more extensively made use of by the resourceful grower than in former days are crotons. Hushed from their quarters of idle repose into the most varied of everyday service, they have proved themselves the all-around useful plants of which local florists never seem to be oversupplied.

Poinsettias.

It is now time again to turn our thoughts to poinsettias, bearing in mind their importance at the Winter holidays and the necessity of providing amply in this particular line of stock.

Asters.

The planting out of asters from frames, flats, seed boxes and pots is now what keeps a great number of busy people in healthful motion.

Prices Advertised in these Columns are for THE TRADE ONLY—

When Writing Please Mention THE FLORISTS' EXCHANGE.

closer intimacy with commission men and the exactions of the wholesale market. But when it is thought that by an unusually early start of the seeds and subsequent culture under glass they can beat their non-professional competitors at any great length, they will find themselves disappointed. Asters, unlike sweet peas, mignonette, snapdragons and a host of other garden annuals, are decidedly nothing but an outdoor crop, as are dahlias, cosmos, Shasta daisies, etc. One can start the seeds months ahead of time, can plant and flower asters under glass, but nothing is gained thereby but needless extra labor and cost of production. The flowers of most varieties will not come earlier, nor will they be as good as those from plants in the field, started from seeds sown much later; i. e., at the proper time—March or April. A few early or mid-season sorts, grown in greenhouse benches, will indeed flower a few days sooner than those of the same varieties, planted out of doors, but the crop will be meager, the blooms poor, often unsalable—it is not a paying proposition. As to the outlook for aster growers this season, why, it is as it has been every Spring, in recent years; millions of asters will be planted, thousands will produce salable flowers, hundreds will be sold at a fair price. The finest of blooms, picked from a field stocked with the finest of asters, afforded the best of cultivation by the most careful of growers, will, as usual, win out in the race.

Reminders.

In throwing out violets, nicely rooted side runners, short and healthy, potted up and placed in shaded cold frames, will, even as late as this, grow into better stock under subsequent frame or field culture by next Fall than will divided old stools.

For the rooting of coleus it is by no means too late. Stock plants harboring mealy bug should be dispatched after having furnished a last crop of clean, bright head cuttings.

Shasta daisies needing replanting can now more equally be divided into pieces of fair-sized crown growth, while this is well advanced, than at any time before or after this date. It also may be used as cuttings, which now root readily.

Tuberous grown in pots and the richest of compost and constantly kept under glass, throw finer spikes of flowers than bulbs planted or transferred and flowered in the open.

Tufted pansies are worthy of a trial everywhere. I first saw them in Great Britain, have plants of them now and have found them to be faster growing, more compact and floriferous bushes than any other pansies I have ever raised, though the flowers are smaller. Viola cornuta can yet be sown, and, as I was made to understand its nature, will bloom this year and again the next season, it being a hardy perennial of the most proper behavior.

Lawns disfigured and overrun by moss and weeds should, after the first mowing, be thoroughly combed and scratched with a sharp-toothed steel rake. Much of the moss and many of the weeds will thus be torn up, can easier be got at in pulling, and rooted runners will have lost their foothold, giving the grass a chance to spread and take their place. After the lawn is thus cleared it should be rolled, but not right after a rain.

For the ailments of some plants at this season there is no better prescription than the combination of fire heat and open ventilators. It does not follow that, because a house is kept cool, its air is also kept pure.

FRED. W. TIMME.

ASPARAGUS Plumosus and **Sprengerii**, strong plants, 2 in. pots, \$2.25 per 100.

STOCKS, double white, in bloom, 6 in., 20c. each.

ENGLISH IVY, 2 and 2½ in., \$2.00 per 100.

GERANIUMS, double scarlet and red, \$1.75 per 100.

ARAUCARIAS, 20 in., four tiers, \$1.00.

HYDRANGEA Paniculata Grandiflora, 10 in., \$3.00; 2 to 3 feet, \$6.00 per 100.

FERNS, Scottii, 4 in., 10c.; 6 in., 15c.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Halla, America, \$2.00 per 100.

California Privet, 5 to 6 ft., 5c. each.

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GERANIUMS, HELIOTROPE, AGERATUMS, FUCHSIAS, SALVIA SPLENDENS and YELLOW DAISIES in 4 in. pots, \$6.00 per 100.
DOUBLE WHITE PETUNIAS, \$8.00 per 100.
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PERIWINKLE, very fine, 4 and 4½ in. pots, \$1.00 per dozen.
HARDY IVY, 1 in. pots, \$10.00 per 100.
CANNAS, all varieties, ½ in. pots, \$10.00 per 100.
THOUSANDS of HYDRANGEAS for planting outside, \$12.00 per 100.
HONEY-SUCKLE, 6 in. pots, \$15.00 per 100.
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COLEUS, 15 fancy colors, **AGERATUM, ALTERNANTHERAS, SILVER LEAF GERANIUMS, CIGAR PLANTS, GROUND IVY, SWEET ALYSSUM, PETUNIAS, P. L. O. N., VERBENAS, PEPPERBUSH, P. L. A. N. T. S., LOBELIA, PEPPERBUSH, BACHELOR BUTTONS and FUCHSIAS**, all in 3 in. pots, \$2.50 per 100; **DOUBLE WHITE PETUNIAS**, 3 in. pots, \$4.00 per 100. **CASH WITH ORDER PLEASE.**

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Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.
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FERNS, Scottii, 5 in., 30c. each.
GERANIUMS, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., \$1.25 per 100; Pot plants, 2 in., \$2.00; 3 in., \$4.00 per 100. Trego, Castellane, Visud, Jaulin, Poltevine, R. C., \$1.50 per 100; Pot plants 2 in., \$2.50; 3 in., \$5.00 per 100. Mme. Sallerol, 2 in., \$3.00 per 100.
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COLEUS; ALTERNANTHERA, red and yellow; **CIGAR PLANT; VERBENA; HELIOTROPE; SCARLET SAGE**, Bonlire; 2 in. pots, \$2.00 per 100.

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 Finest strain, the world, perfect flowers of Giant type in five true colors, twice transplanted from flats, \$3.00 per 100, \$25.00 per 1000; plants from 2½ in. pots, \$5.00 per 100, \$45.00 per 1000.

CANNAS

Alphonse Bouvier, Florence Vaughan, Chas. Henderson, Chicago, Papa, Egan-dale, J. D. Cahos, Queen Charlotte from 3 in. pots, \$4.50 per 100, \$40.00 per 1000.

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BOXWOOD BUSHES in fine shape
 In 6 in. pots, 1 ft. tall, \$3.00 per doz.
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BOXWOOD CROWNS, stem 1 to 3 ft., \$1.50, \$2.00, \$3.00, \$4.00, \$5.00 per pair.
BAY TREES in tubs, 4 ft. stem; 2 ft. crown diameter, \$15.00 to \$18.00 per pair.
AUCUBA Japonica Variegata in 8 in. pots, 2 to 2 ft. 6 in. tall, fine and bushy, \$18.00 per doz. In tubs 3 ft. tall \$2.50 to \$3.00 each.
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SCOTTII FERNS in 3 in. pots, \$10.00 per 100.
WHITMANI FERNS in 3 in. pots, \$10.00 per 100.
 New Polyantha rose **APPLE-BLOSSOM**, color apple-blossom pink, earliest rose to bring in bloom and beautiful as a pot plant. Grafted plants in 3 and 4 in. pots, and ½ in. pots, \$25.00, \$30.00 and \$35.00 per 100. Plants on own roots, 2½, 3 and 3½ in. pots, \$15.00, \$20.00 and \$25.00 per 100. Mme. N. Levasseur or pink Baby Dorothy grafted plants, 1 and ½ in. pots, \$25.00 and \$30.00 per 100. We will book orders now for delivery the 1st of October of selected plants of the Everblooming Gemson Rambler or Flower of Fairfield, from 4 and ½ in. pots at \$75.00 and \$100.00 per 100 respectively. Own root plants from 2½ and 3 in. pots, \$50.00 and \$75.00 per 100. The best thing ever introduced producing flower trusses on each and every shoot. Color a few shades more brilliant than Crimson Rambler from which it is a sport.

The Following will be in for DECORATION DAY

HYDRANGEAS in bud in 5½ in. pots, \$6.00 and \$9.00 per doz.
CRIMSON RAMBLERS in 6, 6½, 7 and 8 in. pots, at \$8.00, \$9.00, \$12.00 and \$15.00 per doz., fine and full of buds. Also by the 100.
DOROTHY PERKINS, very fine, 6, 6½ and 7 in. pots, \$6.00, \$9.00 and \$12.00 per doz.
SPIREA Gladstone, in 6, 7 and 8 in. pots, fine, very large plants at \$6.00 per doz. Extra large plants in 8 in. pots, \$9.00 per doz.
ARAUCARIA Excelsa, 5, 5½ and 6 in. pots, 75c., \$1.00 and \$1.50 each.

ANTON SCHULTHEIS, 316 19th St., College Point, L. I., N.Y.

NEW CANNAS 1908

ROSEA GIGANTEA
 This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2½ inches across; color, a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. (A great favorite with visitors to our trial grounds.) Strong plants, \$2.00 each, prepaid; \$18.00 per doz. by express, not prepaid.
GLADIO=FLORA
 Remarkable for the unusual shape of the flowers, which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap each other, thus giving a very attractive appearance to the flowers. Color is crimson, changing to carmine rose with an uneven edge of gold to each petal. Height, 3¼ feet. Price, strong plants, \$2.00 each, prepaid; \$18.00 per doz., by express, not prepaid.
CANNA METEOR
 Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich; each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all Summer through. Price, plants or dormant roots, 75c. each, prepaid; \$6.00 per doz., by express, not prepaid.

NEW CANNAS OF SPECIAL MERIT

WILLIAM SAUNDERS
 (1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze. Height, 3¼ to 4 feet. We believe that Wm. Saunders is decidedly the most perfect canna of this type that has been introduced. Those who tried Wm. Saunders in 1907 say it cannot be excelled. We offer plants only; 60c. each, prepaid; \$5.00 per doz., \$35.00 per 100, by express, not prepaid.
 60 other Varieties. Send for list and prices
THE CONARD & JONES CO., West Grove, Pa.

Alternantheras Geraniums

Red and yellow, 2½ in. pots.....	Per 100	\$2.00
COLEUS, 2½ in. pots, my selection..	2.00	
CANNAS, C. Henderson and 8 other varieties, my selection, 3 in. pots..	3.50	
PANSY SEED, new crop, Giant flowering, oz. \$4.00.		
CENTAUREA Gymnocarpa	2.00	

S. A. Nutt and 4 other varieties, 3½ in. pots, fine	Per 100	\$4.00
2½ in. pots, fine		3.00
SEEDLING PETUNIAS, from double seed		2.50
ASPARAGUS Plumosus, 2½ in. pots..		2.00
ASPARAGUS Sprengerii, 2½ in. pots		2.00
PRIMROSES, 8 varieties, July 10,		2.00

JOS. H. CUNNINGHAM, Delaware, Ohio

500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant selfs and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky. Fall transplanted plants ready to bud and bloom. Price \$10.00 per 1000. Larger Sizes \$15.00 and \$20 per 1000.
EXPRESS ONLY **CASH WITH ORDER**
I. E. GOBURN, - 291 Ferry Street, - EVERETT, MASS.

FOUNDED IN 1888



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Seedsmen and the Trade in General

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for Classified Advertisements.

PUBLICATIONS RECEIVED.

PLANT BREEDING FOR FARMERS. By Professor H. J.
Webber; Bulletin 251 Cornell University, Agricultural
Experiment Station of the College of Agriculture (Plant
Biology), Ithaca, N. Y. While primarily intended for
the information of farmers, the subject matter contained
in this bulletin will be found of greatest interest to all
engaged in the breeding of plants. Dr. Webber goes
very thoroughly into the subject of plant breeding, ad-
vancing the statement that the work should "become a
farmer's fad * * * No farmer is so poor but that he
can have his breeding patch of corn, wheat or potatoes.
Indeed, if they but knew it, they can ill afford not to
have such a breeding patch to furnish seed for their
own planting."

Relative to "The Forcing of Variations" in plant life
the subjoined information is furnished:

"Little is known as yet as to how far we can go in
forcing the variations of various types, other than through
hybridization of different strains, varieties and species.
The evidence now at command indicates that plants be-
come more variable as they are highly fed and are
manipulated in various artificial ways, such as budding,
grafting and vegetative propagation in general. A change
of environment may cause apparently stable races to
break up and vary considerably, especially when such
races are of hybrid origin or are highly bred sorts. A
radical change of environment may, therefore, in some
cases lead a plant to break up and produce certain vari-
ations that we desire.

"The recent investigations of Dr. MacDougal indicate
that we may be able to induce or stimulate a plant to
produce mutations or sports through the injection into
it at certain periods of chemical salts. This, however,
is at present a field of experimentation for the scientist
rather than for the practical breeder."

The report of the proceedings of the twenty-third
annual convention of the S. A. F. O. H., held at
Philadelphia last year, has been issued by Secretary
Willis N. Rudd. It is, as usual, a most interesting
document and the careful manner in which it has
been compiled reflects the greatest credit on Mr.
Rudd. In addition to the work of the convention
proper, the publication contains the bowling con-
tests, report of the Florists' Hall Association of
America, list of life and annual members of the
society, the former now numbering 455 and the
latter 719.

The Plant Originator's Portion.

In these days we read a great deal about the
pleasure and profit that proceed from the work of
obtaining new varieties of fruits and flowers; and
when we hear of the immense sums reported to have
passed between some originators and the purchasers
of their novelties, it gives us the impression that
after all there must be "money in it." This, how-
ever, is the roseate hue shed on the undertaking by
these often exaggerated stories; but evidence is not
wanting to prove that the life of the originator of
new plants and fruits has also its dark side, and
that, like literature, the work can be carried on
more comfortably and profitably when it is merely
"a staff, rather than a crutch," in the existence of
the individual pursuing it.

Recently there passed away a man who perhaps
did more for the improvement of the grape than
any other one man in America, in the person of
Jacob Moore, who originated such well known vari-
eties as the Diamond, Brighton and others. Here is
the brief but pitiful story of his career as told by the
Rural New Yorker in a late issue:

"A few weeks ago a man died in poverty and sorrow.
It was said of him that he had neither wife, children nor
permanent home—his life having been given to ideals
which while enriching others left him in poverty. Jacob
Moore spent his life in developing new fruits and in hor-
ticultural experiments. Left with a competent fortune
he spent it all, as well as the earnings of a lifetime, in
developing and testing new fruits. Such work came to
be a passion with him, and without business instinct he
saw the material fruits of his toil go to others. At the
age of 72 he was left with scarcely enough revenue to
keep body and soul together, while his work has added
millions to the general wealth and the private fortunes of
more business-like men. Like E. W. Bull, who gave the
Concord grape to the world, Jacob Moore was forced to
spend his last years keenly feeling the injustice of con-
ditions which may send the inventor of a new broom to a
palace and the originator of a new fruit to the poor-
house. Jacob Moore deserves a monument over his
grave, but he should have had a home and comforts be-
fore his grave was made."

Such a fate as is here portrayed is sorrowful
indeed to contemplate, in the case of a man who
was undoubtedly a benefactor of humanity; and it is
a sad commentary on his fellow horticulturists, espe-
cially those who profited most by his productions,
that such an unfortunate and pitiful end should
have been his. Doubtless conscious of his innate
lack of the business instinct, Mr. Moore often pled,
through the public prints, for the institution of some
sort of protective property right in his productions
to the originator of new plants, whereby he might
reap an adequate reward from the results of his
painstaking labors, but without avail. No patent
right can be secured on anything in which Nature
is the creative force, although guided by the hand,
skill and brain of man. Is it any wonder, then,
that men of the caliber and character of Jacob Moore
should end their days in poverty?

We do not believe there will be found one man
or firm engaged in the origination and introduction
of horticultural novelties who will admit that any
great amount of money has been made as a result
of their endeavors along that particular line. In
fact, one large introducer of new carnations recently
withdrew from the dissemination of his novelties,
owing to the profitlessness of the undertaking. It is,
therefore, greatly to the credit of those who, under
such unsatisfying conditions as a general rule, con-
tinue to enrich our collections with new fruits, flow-
ers, and vegetables; their endeavor being more
largely a labor of love than for monetary gain, which,
for the most part, is denied them. And when one
considers these conditions, the venal practice of rob-
bing the originator of the credit that is his, by
changing the original names of his productions, be-
comes all the more flagrant.

The fate of Jacob Moore and others of character-
istics similar to his is not without its lesson. It
demonstrates how necessary is the business in-
stinct, combined with the ability to produce new
things in the horticultural line, to make the work
even a partial paying proposition; that it is unwise
to permit enthusiasm to dominate imperative self-
interest, that a strenuous effort should be made to
enforce an arrangement whereby some continuous
return, in the way of a "royalty," should be forth-
coming to the originator for a specified number of
years, failing the granting by Government of patent
rights on new and beneficial creations in plant life.

Mr. Moore's sad end would also seem to point to
the fact that, in order to prevent a recurrence of
undeserved neglect, horticulturists should see to it
that benefactors of his class, when their condition is
made public, should not be allowed to die in penury.
This for the credit of the great class of generous-
hearted men, of which the deceased was a brilliant
example. A monument over his grave, setting forth
his worth and work, can nothing atone for the suf-
ferings which "age and want, that ill-matched pair,"
brought about in the latter years of one whose life
work was fraught with noble and beneficent deeds.

National Flower Show Committee.

About forty members attended the meeting of the Com-
mittee of Fifty in the Art Institute, Chicago, March 23.
Chairman W. F. Kasting presided and reports showing
that great interest prevails in the show and rapid pro-
gress is being made in preparing for it, were made by
W. N. Rudd, chairman of the premiums committee; E. G.
Hill, chairman of the foreign exhibits committee; Otto
Koenig, chairman of the special features committee;
Philip Breitmeyer, chairman of the American exhibits
committee; and J. C. Vaughan, chairman of the local
management committee. A report from the treasurer
showed that a large number of the guarantors had paid
a first assessment of 20 per cent. on their subscriptions.
Chairman Kasting appointed Albert T. Hey of Spring-
field, Ill., a member of the committee in place of the
late P. J. Hauswirth.

The secretary reported that 1,500 preliminary premium
lists had been mailed, and more were on hand and ready
to be sent to all who addressed a request to Room 1411,
First National Bank Building, Chicago.

The American Carnation Society, the American Rose
Society, the Chrysanthemum Society of America and the
Horticultural Society of Chicago have offered their med-
als liberally as special prizes. W. N. Rudd, chairman
of the premium committee, reported that \$2,336 in spe-
cial premiums has been offered by various private persons
and firms, together with about \$800 in medals and cups.
The premium list offers a total of \$11,023 in prizes.

Committees have been appointed by the various chair-
men as follows:

Executive and Finance—W. F. Kasting, chairman;
Philip Breitmeyer, E. G. Hill, W. N. Rudd, J. C.
Vaughan, Otto Koenig, August Poehlmann, J. A. Valen-
tine.

American Exhibits—Philip Breitmeyer, chairman;
Frank H. Traendly, George Asmus, S. S. Skidelsky, El-
mer D. Smith, Robert Craig.

Special Features—Otto Koenig, chairman; Theodore
Wirth, Leonard Kill, S. S. Skidelsky, Harry Papworth,
J. F. Sullivan, W. L. Rock, A. J. Guttman, John Ber-
termann.

Auditing—J. A. Valentine, chairman; E. B. George,
Roy F. Wilcox.

Local Management—J. C. Vaughan, chairman; Au-
gust Poehlmann, J. B. Deamund, W. N. Rudd, C. Cropp,
Elmer D. Smith, J. E. Hauswirth.

Exhibits, Foreign—E. G. Hill, chairman, J. D. Eisele,
Carl Cropp, E. B. George.

At a meeting of the executive committee held the fol-
lowing day Mr. Kasting appointed George Asmus chair-
man of the publicity committee. James H. Burdett was
made permanent secretary and newspaper representative
of the committee. The question of manager was dis-
cussed and the local management committee was author-
ized to engage one.

It was determined, after a lengthy discussion, to give
visiting florists, not members of the S. A. F., in good
standing, the privilege of purchasing a season ticket to
the National Flower Show for \$1. Several amendments
to the rules were proposed to the premium committee, the
most important being that in all classes where it is
deemed permissible, an entry fee of \$1 be exacted from
each exhibitor. J. H. BURDETT, Secretary.

Richard Vincent, Jr., Abroad.

Richard Vincent, Jr., White Marsh, Md., who is at
present on a tour of the continental nurseries and plant
establishments in company with a delegation of British
and French horticulturists, writing from Leiden, Hol-
land, on April 23, says that he is having an enjoyable
time. At a dinner in Haarlem, on April 22, about 200 sat
down. The decorations of the dining room were excel-
lent. Mr. Vincent adds: "The Spring here has been
so cold that the tulips are not showing at their best in
bloom; but the fields of hyacinths are grand, a splendid
sight to see, and a great education to anyone interested
in intensive cultivation of the soil. We are among friends,
even though far away from home."

On April 21 the itinerary includes a visit to the nur-
series of Louis Van Houtte père; the establishments at
Lochristy of Messrs. C. Vuylsteke, J. De Puyssleyn and
Jean Bracke; after which the party will leave for Ghent.
Mr. Vincent visited the Ghent Quinquennial Exhibi-
tion on April 27 and writes regarding it as follows:

"The Quinquennial Exhibition at Ghent beats anything
that I before have had the pleasure of seeing. I have
heard of it and read of it, but one has to see it to take
in the vastness of the exhibit. The immense display
of azaleas and rhododendrons was simply gorgeous;
words fail to tell of their wondrous beauty, the size of
the plants and their masses of bloom. These alone
formed a show, but when combined with almost every-
thing else, from immense palms, acacias, stove and green-
house plants, down to the daisy and other Spring flow-
ering plants the effect beggars description. Outside the
large buildings were fine lay and evergreen trees, plants
and shrubs of all descriptions, all of good shape and

May 9, 1908

excellent quality, showing the great ability of the nurserymen and florists of Belgium, France, Germany, England, and other countries.

"The orchid exhibition in all its different branches was one of the great attractions, said by some of the men present to be one of the most valuable and the greatest ever shown, as Ghent claims to have one of the largest growers of orchids.

"Our party leaves to-morrow evening for Brussels. We will be in Paris last of this week.

"I wish that you had some one here to write up this show properly, as I am satisfied it would be an incentive for our people to go and do likewise."



James B. Tully.

James B. Tully, florist, aged 68 years, died May 1, at his home, 47 Spring Forest avenue, Binghamton, N. Y., after an illness of several months. Mr. Tully was born in Dublin, Ireland, and had lived in Binghamton for 31 years. He was a member of Binghamton Council No. 206, Knights of Columbus. He is survived by his widow and one daughter, Mrs. Thomas J. Diamond of Kingston.

Mrs. Charles Hurn.

Mrs. Charles Hurn, florist, after a short illness died at her residence on Bath road, Newport, R. I., on the 26th ultimo. Mrs. Hurn was a daughter of John Fadden, a florist and landscape gardener, who was among the first to open a flower store on Bellevue avenue, Newport, which he did in 1868 and which he conducted for ten years when failing health compelled him to retire, the work then being taken up by Miss Sophie Fadden, the subject of this sketch, in May, 1878, and carried on successfully by her until 1906, when she retired. For many years the deceased lady enjoyed a large share of the better class of trade, but of late years, owing to so much competition, her business somewhat fell off. She was of a bright, sunny disposition, and quite popular generally. Besides her husband, who was formerly in charge of the estate of the Hon. Perry Belmont, and is now in charge as superintendent of an estate at Elberon, N. J., the deceased leaves one sister, and one brother, Fredrick W. Fadden, who is a florist in New York. The funeral took place from her late residence on Wednesday, April 29. Rev. Emery H. Porter, D. D., of Emanuel Episcopal Church conducted the service. There were many beautiful floral tributes. MacL.

Charles Smith.

Charles Smith, florist, Woodside, L. I., died on Thursday, April 30, 1908, after a brief illness of pneumonia.

Mr. Smith was born on June 5, 1846, in the Clerkewell district of London, England. He learned the profession of a gardener, and followed it on several private estates in his native country. Coming to the United States in 1869 he secured employment as gardener with Mr. Bragaw at Woodside, Long Island. In 1874 he entered the business of florist at Dutch Kills, L. I., in partnership with W. Amos, and five years later they acquired property in Woodside. In 1882 the partnership was dissolved by mutual consent, the property being equally divided between the two partners, each conducting a growing establishment.

Mr. Smith devoted most of his attention to the cultivation of cut flowers for the New York market, selling his own stock at Thirty-fourth street in the early days, and, later, at the Cut Flower Exchange, of which organization he was a member from its inception. Two years ago he established another plant at Bound Brook, N. J.

He leaves a widow, three sons and three daughters. The boys assisted him in the business; one daughter is married to Gus. Schrader, florist, Elmhurst, N. Y., another to Theo. F. Ehrhardt, florist, Woodside, L. I., the youngest living at home.

The funeral was held at Bound Brook, N. J., on Sunday, May 3, and was largely attended by friends and associates by whom Mr. Smith was held in highest esteem.

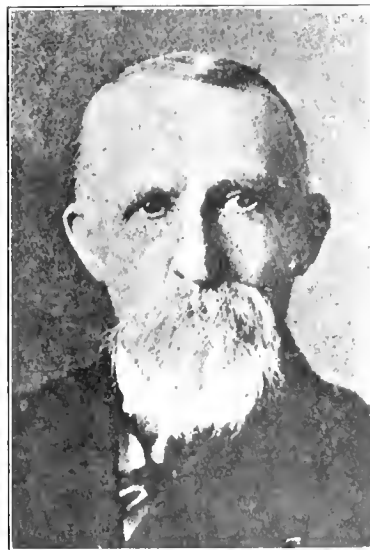
THE ALASKA-YUKON-PACIFIC Exposition will be held at Seattle, Wash., from June 1 to October 15, 1909. An invitation has been extended to the American Association of Nurserymen to hold its 1909 convention at the exposition.

The Treatment of Damping-Off in Coniferous Seedlings.

Experiments have been carried on by the writer for several years in testing the effect of various chemicals upon the damping-off diseases of tender coniferous seedlings. These troubles are great obstacles to the successful production of such seedlings in large numbers for use in replanting waste or unoccupied land. They are caused by a number of different fungi which are being studied and will shortly be described.

The results of the first experiments, which were carried on entirely in the greenhouse, were taken as indications of what might be expected in actual nursery practice. It was felt, however, that the work should be extended to field conditions, and upon testing the preliminary results there it was found that they could be taken only as very meager and insufficient indications of the results to be obtained in the field.

During the season of 1907, field experiments were



The Late Edwin Hoyt.
(See Obituary, p. 581, April 25 issue.)

conducted in several nurseries of the New York Forest, Fish and Game Commission (one of which is operated in co-operation with the Forest Service of the United States Department of Agriculture) and of the Vermont State Forestry Commission, located, respectively, at Saranac Inn, N. Y., and Burlington, Vt. These experiments yielded very interesting results, but because of their preliminary nature it is felt that without further very rigid tests along similar lines they can not be accepted as furnishing conclusive proof of the comparative value of the chemicals used.

The great interest centering about these diseases, however, makes of value every scrap of practical information concerning methods of prevention. Until conclusive results are obtained the present ones may therefore prove useful to nurserymen, but they should be accepted with the distinct understanding that they are preliminary and are subject to later modification.

The tests here outlined are being continued on a more extensive scale, and it is hoped that the present season's work will give such results that there can be no doubt as to the conclusions to be drawn from them.

Procedure in Experiments.

The plots used were located in seed beds 12 feet long and 4 feet wide, each bed being divided into three equal parts 4 feet square. The chemicals were used in line powders or in solutions, according to their original form and nature. The solutions were applied with an ordinary sprinkling can, while the powders were sifted on the beds with a very simple form of duster having a perforated bottom, through which the powder was shaken. The solutions were applied to the soil before the seeds were sown, and then again about five days after the seedlings had come up. The powders were applied to the beds only after the seedlings had been up for three or four days. They were applied in very light coatings, which were renewed promptly after each rain. This renewal is not necessary except for a period of about two weeks, beginning three or four days after germination, when the seedlings are most susceptible to the attacks of the damping-off fungi.

Powders Used.

Upon the application of a mixture of 100 parts of powdered sulphur and 100 parts of powdered lime to the soil before sowing the seed, there was no definite result because of the absence of the disease in the experimental plots. This was also true of a solution of potassium permanganate, mixed at the rate of 1 gram of chemical to 1 gallon of water and similarly applied.

Formalin, Commercial 40 per cent, formalin, used at the rate of 1 ounce to 3 gallons of water, when applied to the soil before sowing and not afterward repeated, seemed to have no effect whatever upon the disease. The check plot, indeed, was much better, as were all of the other plots, both treated and untreated, located in that section of the nursery. When applied as stated and repeated after the seedlings had come up, the results were poor. It is now believed that formalin is of little value with the damping-off diseases of coniferous seedlings unless supplemented after the germination of the seed with some other efficient chemical. The results were disappointing when compared with those obtained with some of the other chemicals.

Sulphuric acid. The best results were obtained with weak solutions of sulphuric acid. A solution mixed at the rate of 1 ounce of acid to 1 gallon of water was applied to the soil several days before sowing the seed, until it was thoroughly drenched, and the treatment was repeated about a week after the seedlings came up. The treated plot was in excellent condition in December; there was a very good stand of fine, healthy seedlings and the soil was entirely free from algae and moss. The check plot, on the other hand, had practically no seedlings left, and the soil was green with algae and moss.

This solution of sulphuric acid was applied to young seedlings of a number of different species, and but one showed any ill effects. This was Norway spruce (*Picea excelsa*). It is not advisable to use an acid solution as strong as this upon the plants. Kramer has shown that a solution of sulphuric acid at the rate of 1 to 500 is as strong as should generally be used upon plant tissues, and this is recommended rather than the much stronger one used in these experiments. For soil treatment the stronger solution will probably prove preferable.—Perley Spaulding, Sentinelle Assistant, Laboratory of Forest Pathology, in Circular No. 3, Bureau of Plant Industry, Department of Agriculture, Washington, D. C.

Solutions Used.

Potassium sulphid and permanganate. A solution of potassium sulphid, made at the rate of 1 ounce of dry chemical to 1 gallon of water and applied to the soil before sowing the seed, gave no definite results because of the absence of the disease in the experimental plots. This was also true of a solution of potassium permanganate, mixed at the rate of 1 gram of chemical to 1 gallon of water and similarly applied.

Copper sulphate and lime. Powdered sulphate of copper was mixed with powdered lime, at the rate of 1 pound of the former to 10 pounds of the latter, in the following way: Fresh stone lime was slaked with as little water as would keep the slaking in progress. In this way slaked lime was obtained in the form of fine powder. This was screened and very thoroughly mixed with the powdered copper sulphate, and was then ready to be used. Attention is called to the need of thoroughly mixing the two ingredients, a disastrous result is likely to ensue if the copper sulphate is not properly diluted with the lime.

This mixture was used very freely, after the seedlings had come up. Absolutely no injurious results could be noted, even when the applications were made early in the morning while the seedlings were still wet with dew so that the powder stuck to them. It may be said that the better time to apply the powders and also the solutions is late in the afternoon. The powders will then adhere very slightly to the plantlets and practically all of the powder will fall on the soil, where it is wanted.

This copper and lime mixture was used upon the following species: *Pinus sylvestris*, *P. ponderosa*, *P. strobus*, *P. resinosa*, *Thuja Rubens*, *P. Nordstr* and *Pseudotsuga taxifolia*. Very good results were obtained in checking the damping-off with it, and it is believed to be one of the mixtures tested which may prove of value commercially.

Notes from London.

FERNS.—Messrs. H. B. May & Sons recently gained an award of merit for *Cyrtium fabianum* Mayii, a compact growing variety with broad, deeply cut pinules and the terminal ones heavily crested. When recently calling at their nurseries I noted a fine batch of seedlings from *Scelopendrium crispum*; it is very rarely that this fern produces spores. The seedlings showed considerable variations, and when more fully developed some handsome varieties may be found among them. Other hardy ferns now receive special attention and among the thousands of seedlings we may expect some good things.

THE PETAL BOX. Little boxes filled with the petals of poppies, violets, roses or lavender, which have been dried, pressed, and treated with the oil of the flower from which they came, are to suit the vinaigrette and the scent bottle with fashionable women. The petal boxes are supplied in gold, silver or tortoiseshell, and are cunningly fitted into the handle of an umbrella, the stick of a fan, or even on a bracelet.—Gardening World, London.

AMONG THE GROWERS

A. N. Pierson, Cromwell, Conn.

With the passing of Easter the regular routine of the business has been resumed at A. N. Pierson's greenhouse at Cromwell, Conn., which means that preparations are on foot for planting the rose, carnation and chrysanthemum houses. Three or four houses of special plants for Memorial Day are well under way, which after June 1 will be filled with chrysanthemums. The cut of the latter last year was over 150,000 blooms and this year will somewhat exceed that. Just now the special rush is in plants, grafted and own root roses, carnations, chrysanthemums and bedding plants. This branch of the business has grown with the years until it has become one of the most important, especially at this season. Three photographs are here produced illustrating in a small way certain portions of this work.

No. 1 shows a house of young grafted rose plants ready for shipment. These are now nearly all in 3-inch pots and in fine condition for benching. One hundred and fifty thousand rose plants were grafted this year, and already the supply of some varieties is exhausted. The heaviest demand has been for Killarney, although Bride and Bridesmaid have held their own as standard favorites. Richmond, too, has been a good seller, in fact, better than was anticipated and the result is that Mr. Pierson has been obliged to turn down some large orders for this handsome red variety.

The new roses, My Maryland, Mrs. Jardine, Rhea Reid, Queen Beatrice and Mrs. Potter Palmer have been much in demand and will be grown very generally throughout the country the coming season.

Photograph No. 2 gives a view of the propagating house for bedding plants. This is a very busy place at this season. Here coleus, ageratum, salvia, heliotrope, etc., can be found by the thousands. This department has grown wonderfully within the past few years. The output of these small plants this year will exceed one million, and they are shipped to all parts of the country that can be safely reached.

Photograph No. 3 shows the chrysanthemum propagating house and some of the young stock ready for shipment. They require about one hundred thousand of these at Pierson's for their own benching and as many more for orders, which means considerable work in this department. All of the standard and many of the new varieties are found here in quantity.

Mr. Pierson will grow about the same number of roses this year as usual, which means in the neighborhood of 75,000 plants. Killarney is still a favorite for pink, in fact, occupies a position of its own. It has made friends by the thousands throughout the country and holds them securely in spite of all competition. Richmond will not be given quite as much space this year, for while it is a handsome rose in winter, its tendency to open too quickly, as warm weather approaches, detracts from its value commercially. Bride and Bridesmaid will both be given plenty of space in the houses the coming season, having proved themselves undoubted necessities among florists.

Mr. Pierson considers My Maryland one of the most promising of the new varieties and will plant about 10,000 this year. Mrs. Jardine and Rhea Reid will also be given considerable room. He will plant one or more houses of White Killarney, which sported with him last year, and promises to prove a valuable addition to his assortment. In shape, foliage and habit it is similar to the original and will no doubt be equally prolific.

W. P. H.

Hardness of Southern Grown Trees.

Under the heading of "Hardness of Southern Grown Trees" the National Nurseryman has some notes on the subject, from which it summarizes that it makes but little difference where grown, as a plant does not change its constitution. While this is practically correct, yet as an absolute fact it seems indisputable that in the course of years a tree may become more or less hardy according to where grown, as many examples prove. But the conditions to effect such a change are more than a mere possibility, as said, practically no change is noted.

Southern grown trees take longer to mature their growth than those raised in the North. The farther south one goes, the quicker is growth made and matured. This is only in the case of some seeds; seedsmen prefer to get their supply from a Northern locality. This, too, is the reason why some seedlings raised from Southern seeds are injured in the North in winter. Growth of many seeds is such that it does not ripen, hence it gets killed in winter.

J. M.



House of Young Grafted Rose Plants Ready for Shipment.

Propagating House for Bedding Plants.

House of Young Chrysanthemum Stock Ready for Shipment.

Photos taken April, 1908.

At A. N. Pierson's, Cromwell, Conn.

Simple Concrete Bench Construction.

Concrete benches are, at the present time, receiving the attention of prominent growers throughout the country and have been installed in a number of establishments with, as far as can be learned, excellent results. Many types of construction have been adopted, mostly devised by growers themselves.

The methods employed have been more or less crude, according to the mechanical abilities of the constructors, the question of mold- and other convenient auxiliaries presenting considerable difficulty attended with expense. With a view to removing this difficulty and furnishing growers with proper molds and clamps to make the construction of a concrete bench a



Fig. 1. Wittbold Bench Clamp. simple problem even to those not possessed of recognized mechanical ability. E. H. Hunt, 76 Wabash avenue, Chicago, is placing on the market these accessories, which comprise the outfit for building benches under the Wittbold system of construction, that has proved to be one of the most simple, as well as successful, systems yet followed, and which entails the least expense. We are pleased to present illustrations of the work in detail, and to describe the method of construction.

The mixture used is the following:
 One part good Portland or Atlas cement (or other equally reliable brand).
 One part sand (torpedo size).
 Two parts sifted ashes.
 Mix the sand and ashes well, then add the cement, seeing that it is evenly distributed. Water is then to be added, and the mixture worked to the consistency of mush. The mixture should be used as soon as completed, for if it sets or hardens it becomes useless; consequently the builder should have his work all ready prior to the making of the mixture.
 Our description of the work applies to a bench 100 feet long by 5 feet wide, and may be taken as a basis for the construction of benches of other sizes. Set two rows of posts, the rows four feet apart; each post in a row should be from 4 to 5 feet apart, making a total of 45 to 50 posts in all. The work should then proceed as follows:

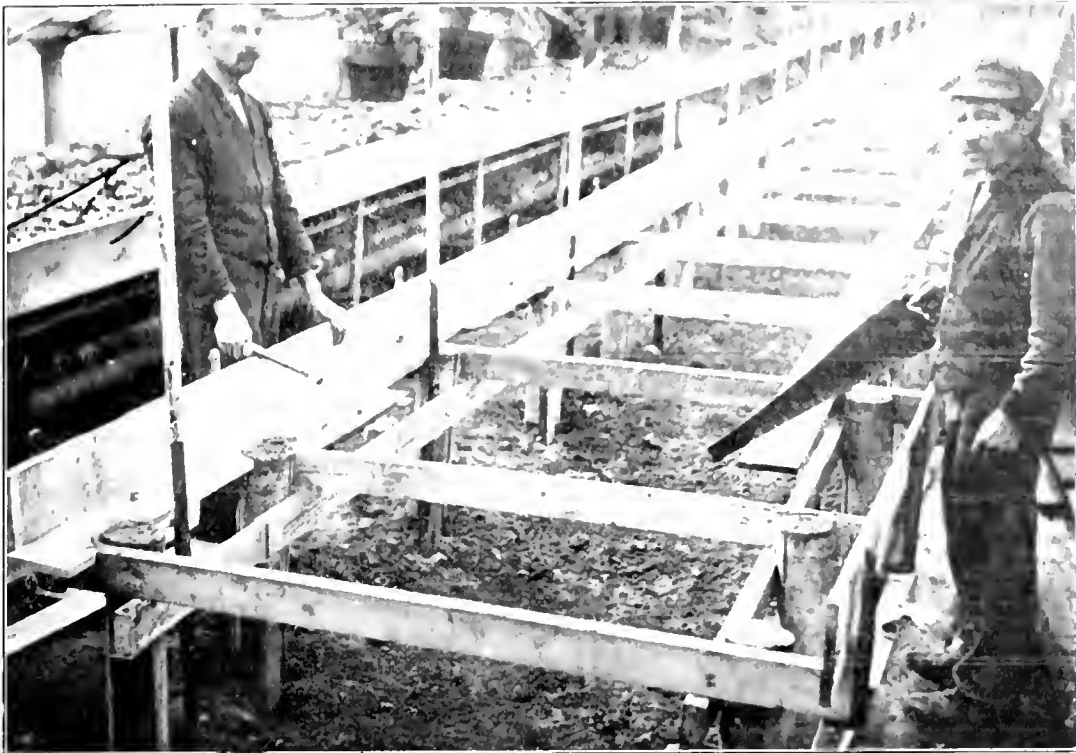


Fig. 3. Lay the flooring on the crosspieces, cutting round holes in the flooring so that the top of the posts comes up flush with the flooring.

- (1) Cut 25 pieces of 2 x 4's, each piece 5 feet, 2 inches long, and screw to the end of each a Wittbold bench clamp as illustrated in Fig. 1. These will make 100 feet, spacing them 4 feet apart.
- (2) Run two stringers, 2 x 4, the full length of the bench, resting them on temporary 2 x 4 posts driven in the ground. These stringers should be placed 4 feet apart. This will allow the 2 x 4 crosspieces with the clamps to stand 6 inches over on each side. Set the stringers the height the bench is required to be, allowing 4 inches for the crosspieces, one inch for the flooring, and one inch for the cement.
- (3) Place the cross-stringers with the clamps attached on the two stringers 2 x 4, getting them in perfect alignment, so that the bench when completed will be absolutely straight and level. To keep them in place they may be temporarily nailed to the stringers, 4 feet apart, but large nails should not be used, as they may damage some of the lumber

- when taking the framework apart, rendering it unfit for subsequent use.
- (4) Set your post molds (illustrated in Fig. 2), or cement posts if you wish to make them beforehand, which is optional, 4 feet apart, so that each row of posts will be 6 inches from the edge of the bench. It is quicker to make the cement posts at the same time the bench is made. But if it is wished to save the purchase of a full set of molds the posts may be made at odd times and used when ready to construct the bench. This individual growers will decide for themselves. It is advisable to dig a small hole for each post, and fill it with cement, placing the post in the cement. In doing this care should be taken to see that the top of each post is level, or that all the posts stand the same height.

(5) Place the side boards in the clamps, using boards of a size to correspond with the required depth of the bench, allowing 1 inch for the bottom cement. (See Fig. 3.)

(6) Lay the flooring on the crosspieces, cutting round holes in the flooring so that the top of the posts comes up flush with the flooring. Note this in Fig. 3.)

(7) Place paper over the boards so that any large cracks will be closed, and that the cement will not stick to the flooring.

(8) Put in the inner board and fit the inside part of the clamp to the inner board by tightening the bolt. This will hold the inner board firm, and just one inch from the top of the flooring. It will be well to place at regular intervals one inch plugs between the side boards and the inner boards so that they will be held just one inch apart.

(9) Take a roll of common wire netting, 2 inch mesh, commonly known as "chicken wire," and stretch it the full length of the bench on the flooring, bending the netting so that it will come up flush with the side boards and end boards. This is all the reinforcing material needed, and it will bind the entire structure, making it a complete whole, capable of standing any strain likely to be put upon it.

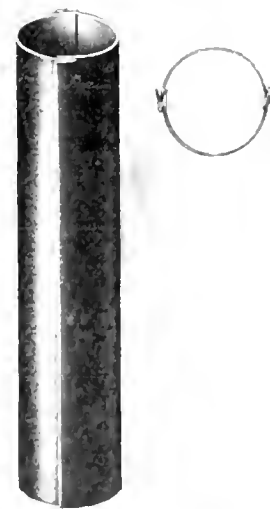


Fig. 2. Post Mold.

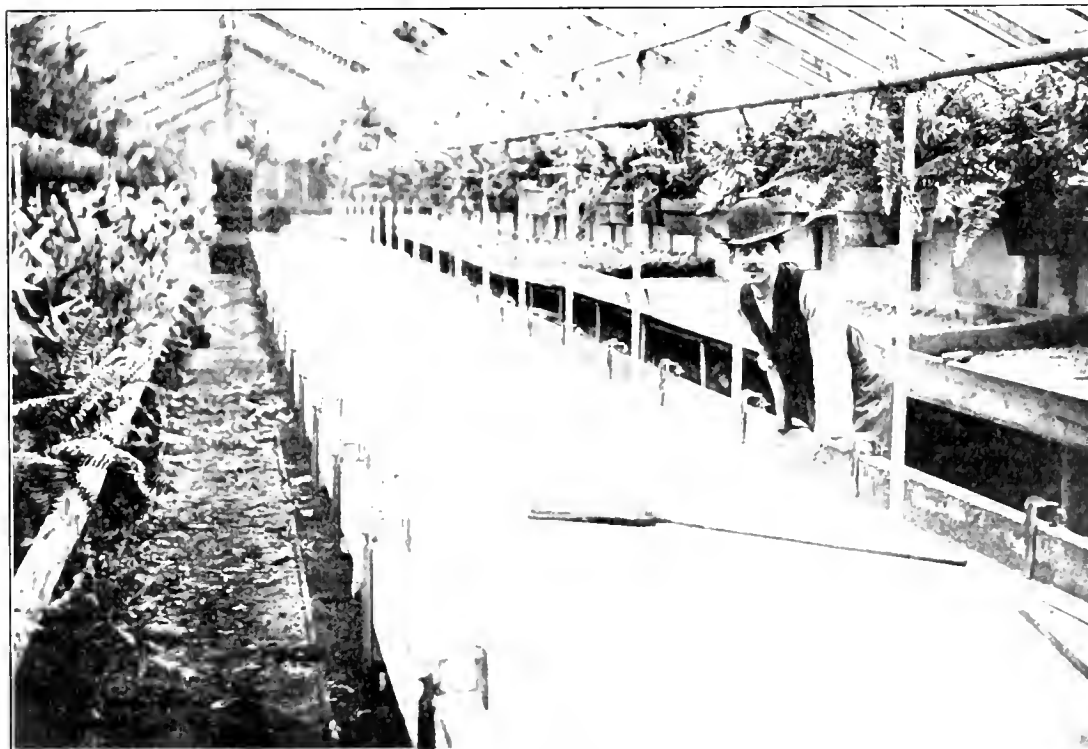


Fig. 4. The Completed Bench before the Clamps have been Removed.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

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EYBES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

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ROBERT G. WILSON, Fulton Street and Greene Avenue. Delivers anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

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HAUSWIETH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

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BERTEERMANN BROS. CO. Our facilities for executing orders in an efficient manner are unexcelled. Our shipping territory includes the surrounding states. High grade flowers; expert workmanship.

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SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

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JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

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YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

(10) Nail tapered corks, iron corks preferred, one inch thick, to the flooring, any width apart it may be thought advisable, for drainage holes—5 inches to 6 inches will usually suffice. Place the large ends of the corks downward, so that they may be knocked out easily after the cement flooring is poured.

(11) The structure is now ready for the pouring of the cement mixture. First cover the flooring, and level it so that the top of the corks are just barely covered. To smooth out the cement on the bottom a board cut so that the bottom will just reach down and clear the corks, and over the side boards, may be used. It may be pulled along, using the side boards as guides. This is the quickest way to level the cement. Next pour the cement between the side boards and inner boards. Take out the one inch plugs, and smooth so that the cement comes even on the top of the sides. Allow the cement to set thoroughly, which means about 48 hours in Winter, and 24 hours in Summer weather. Of course, the weather, wet or dry, has a good deal to do with the actual time required. The bench

CLUB AND SOCIETY DOINGS

THE MONMOUTH COUNTY HORTICULTURAL SOCIETY held its monthly meeting in Red Men's Hall on May 1. President Joseph Kennedy in the chair. The secretary reported the receipts of the twelfth annual ball, which showed a balance of \$29. A delegation of six members, President Woods included, were visitors of the evening, and every one of them joined our society. It was decided at this meeting to hold the twelfth chrysanthemum show on November 4 and 5 in the Frick Lyceum at Red Bank in conjunction with the Elberon Horticultural Society, and the secretary was ordered to have the preliminary schedule printed at once.

The lecturers and lectures for the remainder of the year will be as follows: June 5—George A. Steele, "Shrubs"; September 4—William Turner, "Stove Plants"; October 2—N. Butterbach, "Melons under Glass"; November 6—George H. Hale, "Evergreens"; December 4—H. A. Kettel, "Bulbs." B.

TARRYTOWN (N. Y.) HORTICULTURAL SOCIETY.—The monthly meeting of this society was held on Friday evening, April 24, 1908, President Angus in the chair. Three new nominations were received, and James Stuart, Mamaroneck, N. Y., and Wm. Brown, Ossining, N. Y., were elected active members. We are gratified to say that donations to our prize fund are still coming in; and to date five silver cups are offered for the November exhibition. James W. Smith's prize, for the best two flowering plants, was won by Thomas Aitchinson, gardener to Mr. Henry Siegel, Mamaroneck, N. Y., with a large plant of pelargonium and one of calceolaria; both were well grown specimens.

The feature of the evening was the talk on "Water Gardens" given by Charles H. Tibbits, who is connected with the park department of White Plains, N. Y., and who has had very satisfactory results with aquatic plants. Subjects for next meeting will be "Shrubs" and "Hardy Perennials."

L. A. MARTIN,
Corresponding Secretary.

NEW JERSEY FLORICULTURAL SOCIETY.—Orchids furnished the principal attraction at the monthly meeting held on May 1, 1908, at the rooms in Orange, N. J. Lager & Hurrell, Summit, sent *Dendrobium Dalhousianum*, *Oncidium varicosum* Rogersii, *Cypripedium Rothschildianum* and *Curtisii* exquisite, and *Cattleya Mendeli* and *Mossie*. Thomas Jones, Short Hills, staged *Cattleya gigas*; and Joseph A. Manda, West Orange, *Dendrobium Brouckartianum*, flowered for the first time in America; a hybrid, *Laelia elegans Schilleriana* and *Oncidium Marshallianum*. Vases of mixed carnations came from the Colgate estate (William Reid, gardener); Spanish iris from Charles Hathaway (Max Schneider, gardener); Canterbury bells in six-inch pots from Mrs. William Pierson (Charles Ashmead, gardener); allamandas from Charles Munn (John Hayes, gardener); antirrhinums from A. C. von Gasheck (John Derwin, gardener).

The address of the evening was by Joseph B. Davis upon Cartography applied to landscape work, illustrated by many maps and pictures from the speaker's collection, including some rare India proofs by Alexander Anderson from the Downing publications. The sketch, the finished drawing, enlarged and reduced, the delineation of trees, grass and herbage, and foreign and domestic work as treated for the past hundred years, were touched upon during the evening. It was decided to hold a Summer recess.

J. B. D.

TREES FROM GERMANY.—Many men will get employment by the reforestation of the Adirondack preserve, says the Albany (N. Y.) correspondent of the Evening Sun. The State has purchased from Germany 950,000 seedling trees. They include 450,000 2 and 500,000 3-year-olds. The 2-year-old seedling trees have been put in a new nursery to remain one year, when they will be planted. The 500,000 3-year-olds, with 600,000 that the State already had in its nurseries, are now being planted in the forests, making a total this year of 1,100,000 seedling trees to be planted, twice as many as have been planted before in this State in any one year.

At present there are about forty men employed in the nursery and at least 100 in the planting fields in the forests. With so much additional planting to be done this force will have to be materially increased. The 2-year-old seedlings cost 75 cents a thousand and the 3-year-olds \$2.65 a thousand.

[Query: Why should the forestry authorities of New York State go to Germany for their supply of seedling trees? This is something the nurserymen of the State should inquire into. Ed. F. E.]



A Monster Tulip.

Courtesy D'Alcorn & Sons, Portsmouth, Va.

will now appear as shown in Fig. 4. After the cement has set—be sure that it has, or the bench will not hold—unfasten the clamps and take out the inner boards; knock out the temporary 2 x 4 posts; take out the stringers and crosspieces; remove the sides and the flooring, and the bench is complete.

If care is used this can be done without injuring the lumber, leaving it in shape for further use. In fact, it may be marked and used in exactly the same way each time, if the benches to be constructed are all alike.

After the flooring is removed go over the bench carefully, and knock out the corks, which may be used over and over again.

The cost of such a bench as described, 5 feet by 100 feet, including time, labor, and materials, should not be over \$30. This does not include the cost of the clamps, molds, and lumber; but as these may be used over and over again they are in the nature of an investment, and not cost. Of course, local conditions may affect the cost, but the figures given are based on Chicago prices. A bench of cypress the same size would cost, including labor and time, crosspieces, cedar posts, etc., fully \$35, and in about three to four years the expense is repeated, as the average life of a wooden bench is hardly four years.

J. H. P.

A Monster Tulip.

The accompanying illustration is reproduced from a photograph of a tulip—not a peony. It reported with us this year, and measured 21 inches in circumference! The bulb is not for sale. Color, a lovely soft pink; foliage variegated; stems 23 inches.

Portsmouth, Va.

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DRACAENA—Indivisa

20,000 3-in., ready for shift..... \$5.00 per 100
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15,000 3 and 4-in., well rooted, splendid color.....\$6.00 and \$10.00 per 100

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Excellent, well-rooted stock

Uncle John, Ivory, Golden Gate, Bridesmaids

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Larger plants, 4, 5, 6 and 8 in. in bud and bloom, ready for immediate sales\$10.00 per crate

Hatcher

STORES: Amsterdam and Schenectady, N. Y.

AMSTERDAM, N. Y.

GREENHOUSES: Town of Florida, Hoffmans, N. Y.

Seeds from the Seedless.

Mentioning the Agricultural Department reminds me of a letter received just the other day by Representative Walter Smith of Iowa. Judge Smith has a habit of referring to the people of his district as "the most enlightened constituency in the world," and, to tell the truth, their action in sending the Judge to Congress constitutes prima facie evidence of the truth of this boast. But just the same, one member of this same constituency slipped a cog the other day.

"Dear Judge," he wrote to Mr. Smith, "I understand the Agricultural Department is experimenting, and has been for some time, with a new variety of seedless tomato. If they have brought the plant to perfection and are distributing it, please send me some of the seeds." —Washington Star.

The Eucalyptus in California.

Residents of this coast are awakening to the necessity of planting forest trees for the requirements of coming generations in the mechanical arts. The eucalyptus family is receiving the most attention because of its great economic value in the manufacture of furniture, the interior finish to residences, its great tensile strength, which is necessary in wagon and carriage building. The different varieties have different colored woods and all of them take a polish equal to "bird's-eye maple." They are adapted to a great range of soil condition, but rich sandy loam produces the best results in the shortest time. At present, eucalyptus is a household word in Southern California, and everyone, no matter how small his land holdings, either has the thought in mind of planting or has already planted trees of this useful genus.

Because of the fabulous price recently paid—over \$200 per thousand feet, board measure—by carpenters to finish several buildings in this town, the get-rich-quick promoter has appeared in our midst, and is busy at roll top desks with paper and pencil figuring out to investors the great profits of the industry, in some instances making the amazing statement that in three years from planting, dividends may be expected from a grove of "blue gums." Eucalyptus globulus. The facts are that in good soil and with water, 10 to 20 feet beneath the surface, the trees will, after once established, make a growth of two inches diameter annually. The "blue gum" as we know E. globulus (indeed the entire family is known as "gum trees"), if planted on poor soil, and given no water nor cultivation, do not make half the growth named; nevertheless on rocky hillsides, and lands beyond the reach of irrigating canals, or locations where water cannot be found in sufficient quantities for the production of citrus or deciduous fruits the eucalypti may be profitably grown. All varieties must be watered the first year at least to get them established.

In localities where Summer heat is intense and the Winter temperature drops to twelve degrees below the freez-

ing point, the successful cultivation of these trees requires essentially different methods of procedure from those where reverse climatic conditions prevail. It is hazardous under those conditions to apply water and cultivate the young trees after the first of September. Cultivation may be continued, but water must be withheld, that the young trees may ripen the growth made from May to September.

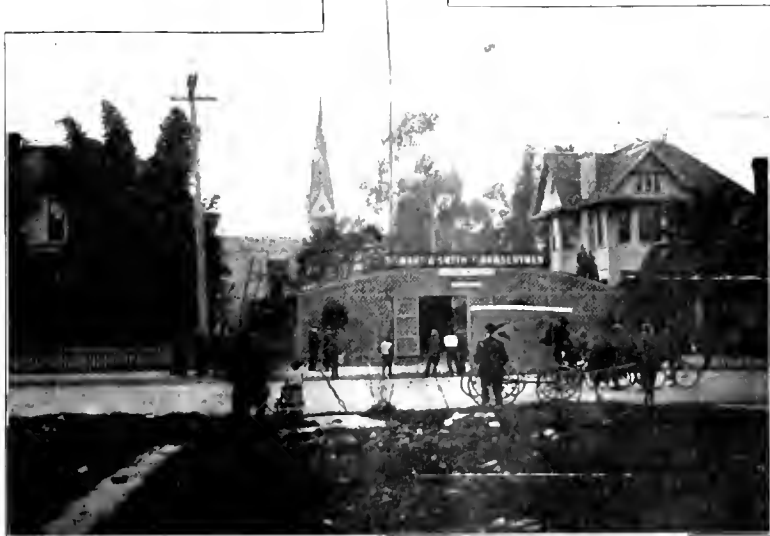
Several years ago I planted near Bak-ersfield a grove of 7,000 trees of blue and sugar gum; the latter is known to the trade as E. corynocalyx. Water was plentiful of a temperature of 72 degrees. Cultivation was easy, and for forty days the uniform temperature of the atmosphere was 100 degrees in the shade, with a relative humidity of not over 11 per cent. These trees made the astonishing growth of 10 feet, with trunks of two inches diameter at the base for the "blue," one inch for the "sugar," from seedlings not as thick as lead pencils the first Summer; and because of their soft condition more than half were killed by a freeze of 12 degrees the first Winter. The second Winter finished the grove, and all the hopes of the planter were blasted. A few specimens of both of the subjects named, grown in the same locality, without water or cultivation other than to give them

stances six by six feet. When so set they necessarily run up into a bean pole size. Thus grown they cannot develop into trees of economic value; 10x10 feet is as close as a grove should be started, and not a leaf or branch should be taken off the young trees for three years, since defoliating debilitates them, and the result sought after—a sturdy well-developed trunk—is thereby defeated.

That the investment of time, money and energy in the growing of eucalyptus trees will be highly profitable, there is no doubt; but no one should engage in the industry who has not learned "to labor and to wait," since it will require at least two decades, with not over two hundred trees to the acre, to reap the fabulous harvest of coin the timber is sure to yield.

The illustration herewith is reproduced from a photograph of a living flag pole, a eucalyptus tree of the citriodora variety, growing in the lathhouse of the city salsyard of Howard & Smith, Los Angeles, Cal. This tree is 15 years old, 125 feet high, 14 inches diameter at the base, has always had all the water necessary to make a rapid growth. The picture shows the characteristic of this variety shedding its branches as well as its bark—a fact stated previously in these notes.

P. D. B.



Eucalyptus citriodora, 125 Feet High, at Howard and Smith's, Los Angeles, Cal.

a start when first planted, were not injured by the cold.

The eucalypti are not difficult trees to transplant when small, if the operation is not attempted until the soil and weather are warm. The impatience of growers for quick returns leads them to plant the trees too closely, in some in-

The Orchid Section.

At the initial meeting of those concerned, held on March 14, in the rooms of the American Institute, W. J. Stewart in the chair, a committee on organization and scope was appointed, com-

Dracaena Indivisa

6 in., 7 in. and 8 in. pots, 2 1/2 feet to 4 feet high, good bushy plants. \$6.00 to \$9.00 per dozen; \$10.00 to \$60.00 per 100

S. PENNDORF, 81 Oak St., New Rochelle, N. Y.

posed of the following members: C. Moore, J. M. W. Kitchen, J. E. Lager, J. A. Manda, H. A. Siebrecht, E. H. Koehrs, G. V. Nash, G. Schlegel and Mrs. G. B. Wilson. All but the two last mentioned agreed to serve.

At a later general meeting held on April 4, at the New York Botanical Garden, E. O. Orpet in the chair, this committee submitted a comprehensive report. The recommendations of the committee, as embodied in this report, were adopted, and the following action taken:

RESOLVED: That the present committee on organization be continued, with instructions to take steps necessary to carry out the resolutions presented.

In furtherance of these instructions, the matter was brought before the Council of the Horticultural Society of New York at its meeting held on April 8, and a request for affiliation was met by the adoption of the following resolution by that council:

RESOLVED: That the Council of the Horticultural Society of New York appoint an orchid committee to establish an orchid section of the society, the members of which may be resident in any portion of the country, and to encourage the interest in and the cultivation of the orchid in the United States.

This resolution was made immediately effective by the chairman of the Council of the Horticultural Society of New York continuing and appointing as an orchid committee all the members of the committee on organization. This council, moreover, placed at the disposal of the orchid committee, for the forthcoming flower show in May, one gold medal, three silver medals, and three bronze medals, which may be awarded at the discretion of that committee for special exhibits of new or rare plants, or for other orchid exhibits of merit.

To insure the success of this movement toward broadening the interest in orchids and orchid growing, all interested are earnestly urged to extend their individual support to the newly created orchid section.

Any one can identify himself with this orchid section by becoming a member of the Horticultural Society of New York. The annual subscription for active members is five dollars, which may be sent with the application for membership to the office of the secretary of the society, Room 60, 55 Liberty street, New York City.

E. H. ROBERTS,
Secretary, Committee on Organization.

C. MOORE,
Chairman.

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Newly imported ORCHIDS on hand:

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Also a fine lot of 6 1/2 inch pots at 75 cents each, 25 or more at 70 cents each.

This is the most talked about fern of the lot and has been awarded a great many honors, including a medal by the Royal Horticultural Society of London and the "Kift Cup" by the Pennsylvania Horticultural Society for the most meritorious new plant introduced in 1907.

Equally as good as green for cut flowers or pot culture.

The stock here offered is in superb condition.

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Areca Lutescens, Cocos Weddeliana, Kentia Belmoreana, Kentia Forsteriana.

Home Grown. Write for Prices.

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FERNS FERNES

MY SPECIALTY

I have an immense stock of assorted ferns for Jardiniere, healthy and bushy, none better; in 15 of the best market varieties, including Cyrtomium Filentum, Aspidium Thuscense, Pteris Wmsettii and Mayll, in good proportion, from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate.

CENTER PLANTS (Exact Size)

Kentia Belmoreana, 2 1/2 in., \$1.30 per doz., \$10.00 per 100.
Assorted Ferns, 3 in., \$5.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.

Adiantum Cuneatum, fine stock, 2 1/2 in., \$3.50 per 100, \$30.00 per 1000; 3 in., \$6.00 per 100, \$55.00 per 1000; 4 in., \$12.00 per 100, \$115.00 per 1000.

Adiantum Farleyense, 5 in., \$8.50 per doz., \$65.00 per 100.

Nephrolepis Scottii, 8 in., \$15.00 per doz., worth the double.

Fern Spores, gathered from my own stock, guaranteed fresh, 1907 crop, good, commercial varieties, 30c. per trade pkt.; \$3.00 per doz.

J. F. ANDERSON, SHORT HILLS, N. J.

The book of WATER GARDENING

By Peter Blasel. Price, postpaid, \$2.50
A. T. DELAMARE PTG. & PUB. CO., LTD.

For Jardiniere, strong healthy plants, 2 1/2 in. pots, \$3.00 per 100, \$25.00 per 1000; 500 at 1000 rates; 3 in., \$6.00 per 100; 4 in., \$12.00 per 100.

CIBOTIUM SCHEDEL, 6 in., \$1.00 each.

NEPHROLEPIS SCOTTII, 9 in., \$1.50; 7 in., \$1.00 each.

BOSTON FERNS, 9 in., \$1.50; 8 in., \$1.25; 7 in., \$1.00; 6 in., 50c. each, worth double.

**FRANK N. ESKESEN
Main St., MADISON, N. J.**

FINE FERNS FOR JARDINIERS

Very bushy and in best varieties. Liberal count on all orders. 2 1/2 in. pots, \$3.00 per 100, \$25.00 per 1000.
Asparagus Plumosus Nanae, 2 1/2 in. pots, \$3.50 per 100, \$30.00 per 1000.

**Thomas P. Christensen,
SHORT HILLS, N. J.**

Kentia Forsteriana

Made Up Plants
Fine, Clean All Stock

8 in. pots, 3-4 ft. high...\$2.00 each
10 " 4-5 " ... 4.00 "
10 " 5-6 " ... 6.00 "
12 " 5-7 " ... 8.00 "

**HEISS - FLORIST
112 S. Main St., Dayton, O.**



1657 Buckingham Place,
CHICAGO, - - ILL.

NEPHROLEPIS

WHITMANI, 2 1/2 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.
FERNS, Boston, 2 1/2 in. \$3.00 per 100.

**Henry H. Barrows & Son,
WHITMAN, MASS.**

FERNES

Boston, Scottii, 4 in. 15c.; 6 in. 40c. Some extra heavy Scottii at 50c. each. All pot grown.

Asparagus Plumosus, 2 1/2 in., \$3.50 per 100.
KENTIA Belmoreana, 4 in., \$25.00 per 100.
Ferns for Jardiniere, in nice assortment, 2 1/2 in., \$3.00 per 100.

H. WESTON, Hempstead, N. Y.

**ROBERT CRAIG & CO.
ROSES, PALMS, CROTONS**

CARNATIONS and Novelties
in DECORATIVE PLANTS

Market and 49th Sts. PHILADELPHIA, PA.

Nephrolepis Scottii

In the following sizes, extra good value: 2 1/2 in., 50c., 75c. and \$1.00. GRAND SPECIMEN PLANTS at \$3.00, \$4.00, \$5.00 and \$6.00.

**JOHN SCOTT
Rutland Rd. and E. 45th St., Brooklyn, N. Y.**

ORCHIDS

IN BUD FROM

STANLEY & CO., Southgate, England
who always do the thing well.

CATTELEYA MOSSIAE
in sheath to flower this April, May, at \$60.00 per 100. Order immediately.

ARRIVED in fine condition, a fine importation of C. Trianae, C. Labiata, C. Schroederae, C. Gigas Sanderiana, C. Harrisoniae, C. Citrina, Laelia Aneaps, Oncidium Varicosum Rogersii, Onc. Ornithorhynchon, Onc. Tigrinum, Odontoglossum Inseayi, O. Rosii Majus.

We carry Orchid Peat, Sphagnum Moss, Baskets, etc.

GARRILLO & BALDWIN, Secaucus, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

Sander, St. Albans, England
and
235 Broadway, Room 1, New York City

Pittsburg.

Trade Notes.

Very little change for the better is noted in the florists' trade the past week; undoubtedly weather conditions had some effect, for it was about the worst week we have ever experienced in any Spring—wet and lots of snow, with the thermometer below 32 degrees for several days. At present, May 5, it is still cool, with more rain promised.

It has been reported that the fruit crop in this section has been destroyed, although this is doubted; it is reasonable to assume, however, that considerable damage has been done by freezing, but it will require later returns to show the extent. Fruit trees bloomed in unusual abundance this year and a good crop was assured.

The stock of cut flowers at present is good and abundant, but prices are very unsatisfactory. Outdoor stock selling very cheap hurts the market. Plant trade, on account of the inclement weather, was very dull—not much doing except in hardy shrubs, privets, etc., for which there was a fair demand.

The tulip beds in our parks and private places this year were good; with but a few exceptions the blooms were fine. Hardy shrubs also bloomed very freely, magnolias being fine.

The plantmen are very busy now with the many hotbeds and work of outside planting starting in. From indications the number of plants grown for this season will be larger than last year.

Mr. and Mrs. Gustave Ludwig have announced the engagement of their daughter, Miss Lena Ludwig, to Victor F. Bergman of Chicago, the wedding to take place next month. Mr. Bergman is a prominent florist of Chicago, and Miss Ludwig's father is the senior member of the firm of G. & J. W. Ludwig, the well-known North Side market florists.

Superintendent Wm. Hamilton of the North Side Parks has resigned, and hereafter the North Side Parks will be under the supervision of the Pittsburg Bureau of Parks, a part of the Department of Public Works. Mr. Hamilton has been superintendent for many years and in his time did a great deal for the improvement of the Allegheny parks. The city secured the Phipps conservatories through his efforts, and it was also due to him that they were stocked with suitable plants best adapted to the atmosphere of the city. Mr. Hamilton is up in years (in the seventies); his plans for the future are to rest, and so he retires in the knowledge of a work well and faithfully done. E. C. REINEMAN.

Detroit.

Trade News.

Cold, cloudy weather accompanied with snowstorms completely upset the peddlers' plans as the supply became shortened and the legitimate florist once more came back to his own. A good deal of funeral work kept the stock down, while store openings called for large plants and baskets.

The local parks are beginning to show up beautifully in pansy beds and large beds of primula, and arnica. Tulips are still far behind and it will be a week yet before they are in bloom.

The cut of indoor tulips and other bulbous flowers will be about finished this week. FRANK DANZER.

Not the Right Name.

She was extremely bashful when she entered the florist's shop.

"I'd like to get some flowers for a young man's birthday party," she said, blushing a cherry red.

"Yes, Miss," replied the polite florist, with a low bow. "How would sweet Williams do?"

"I'm afraid they wouldn't answer," she faltered. "You see, he is not a William; he—he is a sweet Charlie."—Columbus Dispatch.

ORCHIDS

We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices. Write us for information as to kinds and prices.

We have just received the following orchids: Oncidium Tigrinum, O. Sarcodes, O. Forbesii, Sophronitis grandiflora and coccinea.

LAGER & HURRELL, Summit, N. J.



Many Florists write us it makes plants grow rapidly, healthily, and luxuriantly with absolutely no harmful effects. It will help you make your business pay. Trial 12 lb. bag 75c. (dealer's price). Send for free booklet: "How to Make Things Grow." Also Special Offer to Florists.

ELLIS-CHALMERS CO., 100 William St., New York.

St. Louis.

News Notes.

Charles Ford, traveling salesman for A. Hermann, New York, and Julius Dilloff, in the same capacity for Schloss Brothers, New York, called on the trade last week with good results.

Theodore Kluckenkemper, one of the Florists' Club members, will leave this week for an extended trip through Europe. He will be joined by his wife in July, who will meet him in Germany, and from there travel home together, stopping at Niagara Falls to attend the S. A. F. Convention.

Edward Gerlach, bookkeeper and manager for Kuehn, served on the jury in one of those famous hoodlums cases the past week.

George Ostertag, superintendent of public parks, says that the parks this year will be more elaborately planted than ever before, and has a large force of men at work. The department has just issued its 1907 report, which can be had on application at the park department.

John Steidle, State vice-president of the S. A. F., will be at the next Florists' Club meeting ready for any report from the members as to trade conditions for the Eastern part of Missouri. Applications for membership in the society will also be taken care of by Mr. Steidle.

W. C. Young & Company have just issued their new catalogue pertaining to their new line of iron garden furniture, wire tree boxes and trellises. They are having a good run on these, both in and out of the city. An extra force of help has been put on to catch up with orders.

The executive committee of the St. Louis Horticultural Society held its regular monthly meeting the past week in the rooms of the Missouri Athletic Club. Appropriations for prizes were made for the Fall flower show, which will be large, in addition to the regular Shaw prizes, which amount to \$500. A committee for the selection of a hall was appointed to report at the next meeting. The attendance was large and an enjoyable evening was spent.

The St. Louis Florists' Club will hold its regular monthly meeting Thursday afternoon, May 14, in the new hall, 1023 Locust street. Secretary Bentzen and President W. C. Young are making great efforts to have a large attendance, as there are a number of important committees to report on their work, among them being the outing and potery committees. The meeting will be called, as usual, at 2 p. m. St. Patrick.

Cincinnati.

Trade and News Notes.

Business remained at the lowest ebb until Saturday, May 2, when it took a turn for the better, and stock has commenced to shorten up. Carnations jumped from 50c. per 100 up to \$2 and \$2.50, and roses from \$1 to \$2 to \$2 to \$5. Carnations cleaned up quickly Monday morning, May 4, and we hope to see a continuance of better business. Outside orders are coming in more frequently, and the tone of the market at this time is much more encouraging. The growers also report better sales.

Superintendent George Walker is sick with pneumonia, and it is feared it may prove serious.

Ben F. Hensley and wife of Knights-town, Ind., spent Sunday in the city visiting friends. Mr. Hensley has a fine plant of three homes, 150 by 20 feet, and will erect three more this Spring. Carnations are his specialty.

Will, Lodder and sister Mary of Hamilton, O., were callers on the 4th, as was also John T. Herdigen of Aurora, Ind.

Frank Kyrk, son of L. H. Kyrk, has a responsible position with the Pittsburg Lamp & Glass Company, with headquarters in Cincinnati.

Memorial Day promises to see good business for the florists again this year.

STOCK YOU NEED

SALVIAS. I have raised these from seed and twice transplanted them, making strong, clean, healthy stock. Bonfire, St. Louis and Splendens, 90c. per 100; \$8.00 per 1000. PANSIES, large transplanted stock, coming in bud, of Drexler's Exhibition strain, 75c. per 100; \$6.00 per 1000. FUCHSIAS, Little Beauty, large plants, in 2 1/2 in. pots, ready for 3 in., \$3.00 per 100. FEVERFEW, double white, large plants, out of 2 1/2 in., \$2.00 per 100. LOEBLIAS, Crystal Palace compacta, large plants, in 2 1/2 in. pots, \$2.00 per 100. ALYSSUM, double alyssum, strong R. T., 60c. per 100. MME. SALLEROI, large 2 1/2 in. plants, \$2.50 per 100. VERBENAS, large transplanted stock in separate colors, pink, blue, white, scarlet, rose and purple, 75c. per 100; \$6 per 1000. AGERATUMS, transplanted seedlings, large plants from soil, 75c. per 100.

S. A. PINKSTONE, 20-22 Philip St., UTAICA, N. Y.

Dracaena Indivisa

2 in., \$3.00 per 100; 3 in., \$6.00 per 100. LATANIAS, fine strong plants, 2 in., \$3.00; 3 in., \$6.00; 4 in., \$15.00 per 100. KENTIA Belmoreana and Forsteriana, 4 in., 25c., 35c.; 5 in., 50c., 75c.; 6 in., \$1.00, \$1.25, \$1.50; large plants, \$2.00, to \$3.00 each. PHOENIX, \$2.50 to \$4.00 each. PANDANUS Urtica, 2 1/2 in., \$3.50 per 100.

FERNS

Boston and Piersons, 4 in., 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., 75c.; 8 in., \$1.00; 9 in., \$1.50. Whitman, 2 1/2 in., strong, \$5.00; 4 in., \$20.00 per 100; 5 in., 50c.; 6 in., 75c.; 7 in., \$1.25, \$1.50, \$2.00; 8 in., \$2.50, \$3.00, \$3.50. Fine, small ferns for dishes, \$3.00 per 100; \$25.00 per 1000.

JOHN BADER Mount Troy, ALLEGHENY, PA.

GERANIUMS Strong, pot-grown, Nutt, Ricardi, Poltevine and other, \$14.00 per 1000. All thrifty plants, no tall hardwood. Getsample.

ALTERNANTHERA Fine plants from soil. Red and Yellow, \$7.00 per 1000.

PANSIES in bloom, none so choice, 75c. per 100.

COLEUS Large, strong, rooted cuttings. Vereschaffeltii and G. Bedder, \$5.00. Fancy, very bright, \$4.50 per 100. Giant, most brilliant of all, 70c. per 100. Bushy Plant, Red and Yellow, 85c. Fancy, 90c., Giant, 90c. per 100. Gladstoll, bulbs 4 inches up, 30c. per 100, Cash.

DANIEL K. HERR, Lancaster, Pa.

PANSIES

Giant flowering, none better, \$2.50 per 1000. DAISIES, Bellis, in bloom, \$1.25 per 100; \$10.00 per 1000. Plants that will bloom soon, \$2.50 per 1000. Stocks, Verbenas, Salvias, Dusty Miller, Alyssum, single and double, fine plants, out of 2 1/2 in. pots, \$2.00 per 100; \$15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

ROOTED CUTTINGS PREPAID PER 100

HELIOTROPE, Blue, GERMAN IVY, 75c. ALTERNANTHERA, best Red and Yellow, 50c.; \$4.50 per 1000 (not prepaid). FUCHSIA, five finest kinds, \$1.00. AGERATUM, Gurney and Pauline; COLEUS, best bedders, 60c.; \$5.00 per 1000 (not prepaid). SALVIA Bonfire and Splendens, 85c. FUCHSIA, five finest kinds, 2 in., 1-1-2c. each. Cash. Shippenshnrg Floral Co., Shippensburg, Pa.

Peonies will be plentiful, unless caught by a heavy freeze. We have had several skirmishes with Jack Frost lately, but so far not much damage is reported. Ben George is all smiles to-day, May 4. It's a new daughter. This makes eight children for Mr. and Mrs. George. Ben will soon have enough help of his own to run his greenhouses. Congratulations! E. G. G.

If a man were to quit eating because he wasn't hungry, he would be sent to a lunatic asylum. What about the man who quits advertising because he hasn't enough business?—Curtis Publishing Co.



LIKE THE BEE

So is Godfrey Aschmann, the Philadelphia Hustler, Never Idle

Come and see for yourself. Look around, then think what wonderful work has been done since last year. Is it possible? Yes, Aschmann together with his trustworthy family and employees who stand him faithfully by, get it done. They do like the bee that carries the dust from one flower to the other. You, what you have seen, carry the news to your neighbors. Every hole and corner now full, ready for immediate shipment.

From the lands afar, where the choicest are, I gather the plants I supply. Or grow my own, with care unknown. See the best are the ones you buy. Then send in your orders and see your trade grow. None can surpass Aschmann's, wherever you go.

GERANIUMS. S. A. Nutt, John Doyle and pink, 4 in. pots, \$7.00 per 100. AGERATUM, dwarf blue, best bloomer, 4 in., \$7.00 per 100.

BEGONIA Vernon, finest strain, as dark as blood. Seeds of this beautiful variety picked by myself from specimen plants in Zurich, Switzerland, 4 in. pots, \$10.00 per 100; 3 in., \$7.00 per 100.

BEGONIA, new improved Erfordi, the true variety. Seeds are gathered by myself in Europe; nothing can beat this beautiful variety, either in brilliancy or in blooming, as it is always in flower Summer and Winter, 4 in. pots, \$10.00 per 100; 3 in., \$7.00 per 100.

SALVIA or Scarlet Sage. I only grow one variety, and that is the true Clara Bedman or Bonfire variety, of medium tall habit. A whole bed planted in mass is a sight to see when blooming. It looks as if the whole bed is on fire; hardly any leaves are visible. This variety decorates all the gardens in the capitals of England, France, Germany and Switzerland. The seeds of this novelty are collected by myself in Switzerland, therefore, I can supply the pure stock, 4 in., \$10.00 per 100. HELIOTROPE, 4 in., \$7.00 per 100. FUCHSIAS, best varieties, 4 in., \$7.00 per 100.

CANNAS, 10 best French sorts, including the dark-leaved varieties, large plants, 4 in., \$8.00 to \$10.00 per 100. COBÆA Scandens, 4 in., 10c. IVY, Hardy or English, 3 feet high, 4 in., staked up, 10-12c.

VINCA VARIEGATA, 4 in., \$10.00 per 100; 2 1/2 in., \$5.00 per 100. COLEUS, Golden Bedder, Verschaffeltii, Queen Victoria, 2 1/2 in. pots, \$3.00 per 100. Fancy varieties, \$4.00 per 100.

GERANIUMS, Mme. Salleroi, 2 1/2 in., strong, \$4.00 per 100. PHLOX DRUMMONDI GRANDIFLORA, 2 1/2 to 3 in., \$3.00 per 100. CUPHEA or Cigar Plants, 2 1/2 in., \$3.00 per 100.

LOBELIA Compacta and Trailing (Crystal Palace), 2 1/2 in., \$3.00 per 100.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants.

1012 W. ONTARIO ST.

PHILADELPHIA, PA.

English Ivy

Fine plants out of 4-in. pots, 3 and 4 feet long, bushy, 2 and 3 plants in a pot, at \$10.00 per 100.

Fine lot of FORGET-ME-NOT, blue, strong plants, in bud and bloom, at \$3.00 per 100. Cash with order.

CHAS. ZIMMER WEST COLLINGSWOOD, N. J.

PANSIES

BROWN'S extra selected prize PANSIES, large, transplanted, field-grown plants, in bud \$1.50 per 100; \$12.00 per 1000. Cash with order.

PETER BROWN 124 Ruby St., LANCASTER, PA.

TRADESCANTIA, 2 best varieties, \$10.00 per 100. PARLOR or German Ivy, 2 1/2 in., \$4.00 per 100. VERBENAS, best strain, all colors, 2 1/2 in., \$3.00 per 100. PETUNIAS, California Giant, 3 to 4 in., \$5.00 per 100; Inimitable or dwarf, 2 1/2 to 3 in., \$3.00 per 100. SWEET ALYSSUM, Carpet of Snow or Little Gem, 2 1/2 in., \$3.00 per 100. SUMMER CHRYSANTHEMUMS, 3 in., \$2.00 per 100. NASTURTIUMS, dwarf, 3 in., \$2.00 per 100. COSMOS, white, red and pink, 3 plants in a 3 in. pot, separate colors, \$4.00 per 100. CENTAUREA GYMNOCARPA, 2 1/2 to 3 in., \$3.00 per 100. KENTLWORTH IVY, 2 to 2 1/2 in., \$3.00 per 100.

BOSTON and SCOTTII FERNS, strong plants, ready for 4 in., \$5.00 per 100. WHITMAN, 2 1/2 in., \$7.00 per 100.

CLEMATIS JACKMANNI, the true variety, from Europe, 6 in. pots, 3 feet high, 35c. to 50c. each.

HYBRID ROSES, grafted, from Europe, best varieties, such as Mrs. John Laing, Paul Neyron, Magna Charta, Jacqueminot, etc., also Hermosa, 6 in. pots, 2 1/2 to 3 feet high, 25c. to 50c.

BABY RAMBLERS, 6 in. pots, grafted stock, from Europe, 35c.-40c.

ARAUCARIA EXCELSA GLAUCA, last Spring (1907) importation. Only specimen plants can be offered of the beautiful type, 6-7 in. pots, 25-30-35-40 in. high, same in width, 6 year old, 5 tiers, \$1.75, \$2.00, \$2.50 to \$3.00 each.

Have just received per Steamer Zealand (May 1) from Antwerp about 5000 Araucaria Excelsa of all sizes. Plants, 3 tiers, 8-10-12 in., 40c., 12 to 14 in., 50c.; above, 60c. to 75c.

KENTIA BELMOREANA, 4 in., 20 in. high, 35c.; 5 in., 20 to 25 in. high, 50c. Forsteriana, the same; larger sizes, 6 in. pots, \$1.00 each.

DRACÆNA BRUANTI, 6 in., 35c.

MOON VINES

Don't forget we lead the world in Moon Vines. We are the growers and wholesale shippers of the famous Ipomœa Multiflora. Fully 20,000 are grown and shipped by us to every city of every State in the United States, and to Canada and Mexico. Have a reputation in this variety for the past twenty years, and the record shows that the amount demanded every year grows enormously. This favorite variety flowers very early, is a rapid grower, blooms freely in big clusters, with pure white waxy flowers as big as a saucer and is very fragrant, 4 in. pots, nicely staked up, 12c.; 2 1/2 in., \$5.00 per 100.

Cash with order, please. All goods must travel at purchaser's risk.

250,000 PANSIES SUPERB STRAIN, READY NOW. Fall Transplanted Pansies, in bud and bloom. A trial order will convince you that these are the best you have ever handled. \$1.25 per 100; \$10.00 per 1000. Cash with order. LEONARD COUSINS, Jr. CONCORD JUNCTION, MASS.

SMILAX, from 2 1-4 in., \$2.00 per 100; \$18.00 per 1000. SMILAX seedlings, 50c. per 100; \$4.50 per 1000. ASPERAGUS Sprengeri, 4 in., \$6.00 per 100. CHRYSANTHEMUMS, nice stock, from 2 1-4 in. Polly Rose, Glory of the Pacific, Ivory, Appleton, Bonnafont, \$2.50 per 100; \$22.00 per 1000. GERANIUMS, S. A. Nutt, Grant, 3 in., \$2.50 per 100. C. A. Peterson, 116 MAIN STREET MADISON, N. J.

CLASSIFIED ADVERTISEMENTS

Cash with order. The columns under this heading are reserved for advertisements of stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants, also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent. Our charge is 10 cents per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents. Display advertisements, in these columns, 15 cents per line; count 12 lines agate to the inch. [If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.] Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday. Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—By German, 39, single, good grower of roses, carnations and general line of greenhouse stock, good designer. Address, R. P., care The Florists' Exchange.

SITUATION WANTED—Gardener, head working, English, aged 39, married, life experience in all branches of horticulture. Good references. Address, C. W. S., care The Florists' Exchange.

SITUATION WANTED—As first or general assistant on private place, inside or out; several years' experience in all kinds of plants. Best references. Address, X. X., care The Florists' Exchange.

SITUATION WANTED—Single, A No. 1 grower of roses, carnations, life experience, competent worker. Take charge of 50,000 feet glass. Address, Florist, 51 Seventh Avenue, New York City.

SITUATION WANTED—By first-class electrician to run isolated electric lighting plant; one who thoroughly understands his business. Make own repairs. Lester J. Swartz, 268 Wyckoff Avenue, Brooklyn, N. Y.

SITUATION WANTED—As foreman on large commercial or private place; up in all branches, growing, decorating, designing, landscaping. Life experience. German, married; fine references. H. L. Lauscher, Abington, Va.

SITUATION WANTED—As foreman or manager by wide-awake florist and nurseryman, eight years as foreman with large firm. Used to handle help to best advantage. Address, E. W. E., care The Florists' Exchange.

SITUATION WANTED—As foreman by good grower of roses, chrysanthemums, carnations and general cut flower and pot stock. Long experience on good wholesale and retail places. Ambitious, sober, references. State wages in first letter. Address, Rose Grower, 13 Decatur Street, Boston, Mass.

HELP WANTED

WANTED—Reliable man, grower and builder; no drinker. Myers Brothers, El Dorado, Pa.

WANTED—First-class huddler. State experience and give references. Good wages. Address, Faucher Creek Nurseries, Fresno, Cal.

WANTED—A good man for general greenhouse work where mostly cut flowers are grown. Apply at once, F. J. Dolansky, 255 Euclid Avenue, Lynn, Mass.

WANTED—At once, a single man with experience in flowers and vegetables, also to handle hardy perennials and shrubs. State wages expected, with board and room. Address, P. O. Box 628, East Hampton, L. I., N. Y.

WANTED—A gardener for a private place for taking care of lawn, flower beds, fruit and vegetable garden. Wages, \$75.00 per month and board. Address, Christian Dehn, Florist, 175 Berkman Street, Saratoga Springs, N. Y.

WANTED—Good experienced man to take charge of 1,000 feet of glass, roses, carnations, chrysanthemums, Aroids and general stock. Must be strictly sober and have interest in the business. Address, W. X., care The Florists' Exchange.

WANTED—At once, young man to assist on commercial place, willingness preferred to experience. Must be sober. Pay, \$20.00 per month, board and room to start. Address or call, West Philadelphia Florist, 75th & Gibson Avenue, Philadelphia, Pa.

WANTED—Man and boy as assistant in greenhouse. One of each has had experience in roses and carnations and is capable of handling general stock. The other is a boy. Must furnish references. Wages, \$3.00 per week, with board and room. Address, B. 149, care The Florists' Exchange.

Thirty cents is the minimum charge for advertisements on this page.

HELP WANTED

WANTED—A single man thoroughly experienced in growing carnations, chrysanthemums and general stock. Must have good references, to ability and sobriety. Wages, \$15.00 per week, man with commercial experience preferred. Address with copy of references, Box 114, Tuxedo Park, N. Y.

WANTED—Plantsman with experience in potting and watering; must be careful and painstaking. Please send with application copy of references from former employer, also state age, nationality and full particulars. Wages, to start, \$12.00 per week. Address, J. A. Peterson, 3132 Melrose Avenue, Westwood, Cincinnati, O.

WANTED—A thoroughly competent greenhouse and vegetable gardener wanted May 29. Must be sober, honest and reliable. Small greenhouses, varieties of plants. Private place, 1 1/2 miles south of Poughkeepsie on Italy. Must be married, not over two children. Apply to P. O. Box 257, Poughkeepsie, N. Y.

WANTED

Two good bright men capable of earning \$1,000 per year each, that are well versed in the seed business. One that has had a great deal of experience in garden seeds and some in field. Another that has had considerable experience in grass and field seeds, and can take charge of shipping department and act as general foreman about warehouse. When answering state your age, number of years' experience and with whom. Address SEEDS, care of THE FLORIST'S EXCHANGE 4543 Cottage Grove Ave., CHICAGO

SEEDS, care of THE FLORIST'S EXCHANGE 4543 Cottage Grove Ave., CHICAGO

MISCELLANEOUS WANTS

WANTED—1,000 Echeverias. State price and variety. Address, John Bader, Ravine Street, North Side, Pittsburg, Pa.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, F. X., care The Florists' Exchange.

WANTED—To lease or purchase two greenhouses, about twenty acres of land, running water, house, barn, within fifty miles of New York. State location and price. Address, Mr. Trecey, 511 West 150th Street, New York City.

WANTED

20 Pair Pyramid Box, 3 ft. 3/4 ft. and 4 ft. 100 Vinca Alba. 100 Vinca Rosa. 100 Nicotiana. 100 Salpiglossis.

J. W. ADAMS & CO., Springfield, Mass.

MISCELLANEOUS

GREAT CHANCE for florist to go in business with small amount of money. Write P. H. Baker, Stafford Springs, Conn.

WANTED—Partner, hustler, with \$2500.00 to buy half interest in long established plant in Eastern Pennsylvania, retail trade. Address, A. H. J., care The Florists' Exchange.

FOR SALE OR RENT

TO LEASE—For five years, five greenhouses heated by hot water, house with seven rooms in good condition. The place is situated at Elmhurst, N. Y., 15 minutes from Times Square, near Perry. No stock to buy. Apply to Beaulieu, Woodhaven, N. Y.

FOR SALE—Three greenhouses, heated by Hitcheings boilers, six-roomed house, barn and three-quarter acre of land, near the Oranges, N. C. Good opportunity for retail and landscape work. For particulars, address J. A. Manda, 191 Valley road, West Orange, N. J.

TO LEASE—The old well-known florist establishment of F. Bond (deceased), located at Orange and Sixth Streets, Newark, N. J., well stocked for the Spring trade, consisting of eight greenhouses, 80,000 sq. ft. of land, wagon beds, stable, etc., doing a profitable business. To be leased for a term of years to a responsible party. The establishment can be inspected at any time, and full particulars can be obtained by calling or writing to F. Bond, 100 Orange & Sixth Streets, Newark, N. J.

FOR SALE OR RENT

FOR SALE—12,000 feet of greenhouse, six roomed dwelling house, barn, 32 acres of ground, all in first-class condition. A bargain to quick buyer. Chapin & Brady, Caldwell, N. J.

FOR SALE—On account of my husband's death, desirable greenhouse plant directly opposite Spring Forest Cemetery, Binghamton, N. Y. Large and increasing demand for funeral designs, bouquets and bedding stock. A dwelling house, 14,000 feet of glass; a paying business and land comprising twenty city lots. Apply to Mrs. Katharine Gully, 47 Spring Forest Avenue, Binghamton, N. Y.

FOR SALE—Chance of a lifetime. On account of my husband's death, I desire to sell the business and property which consists of eight hothouses filled with different plants as the market here requires. Also cottage with eight rooms and barn, five acres of land in good condition, besides hothouses and two hot-water boilers in good condition. If interested, please address, Mrs. Hugo Book, 10 College Street, Worcester, Mass.

FOR RENT—One of the best retail places in Pennsylvania, situated in an excellent suburban residential section close to Philadelphia, containing 20,000 square feet of glass from which the entire product in plants and cut flowers is sold at retail, and in addition from \$100.00 to \$200.00 per month must be purchased to supply the demand. The houses are in good condition and will be leased for a term of years, either with or without the use of a thirteen roomed dwelling. The business has been in existence for twenty-five years, and there is no competition. The present owner desires to retire and devote a part of his time to other interests. This is an opportunity seldom offered. Possession July 1, 1908. Address, P., care The Florists' Exchange.

STOCK FOR SALE

SALVIA BONFIRE, 2 in., ready for 3-in. 2c. Cash, Ellis Brothers & Company, Keene, N. H.

ASTER PLANTS, Vick's branching Hohenzollern, TOMATO, Earlsma, 40c. per 100; \$3.50 per 1000, delivered. Edw. Wallis, Atco, N. J.

ROSES, Brides and Bridesmaids, 2 1/2 in. pots, \$2.50 per 100; fine, healthy plants. Cash with order. Villa Lorraine Roseries, Madison, N. J.

SALVIA ZURICH in bud and bloom, 3 in., \$4.00 per 100; 2 in., \$2.50 per 100; rooted cuttings, \$1.25 per 100. The Krueger Brothers Company, Toledo, O.

SWEET POTATO PLANTS, now ready. Big stems, Yellow Nansensmond or Yellow Jersey, \$1.50 per 1000; by mail, 30c. per 100. H. Austin, Felton, Del.

CAMPBELL and CALIFORNIA VIOLETS, rooted runners, 50c. per 100; \$5.00 per 1000. John A. Burns, Frankford Avenue, Holmesburg, Philadelphia, Pa.

CALIFORNIA PRIVET, from 2 to 3 1/2 feet, eighteen to twenty stems, \$4.00 to \$7.00 per 100. E. Romain, Alton Place near Flatbush Avenue, Brooklyn, N. Y.

DALIA BULES, twenty-five choice named varieties, one-third cactus, for \$1.00; twenty choice named varieties, all cactus, for \$1.00. Catalogue free. C. Peirce, Dighton, Mass.

SPRING, 4 in. POT ROSES. See our display advertisement for varieties, etc., page 608 in last week's issue of The Florists' Exchange. The Reeser Floral Company, Utana, O.

SEVERAL THOUSAND GERANIUMS, 2 1/2 in. pots, ready to shift, good bedding varieties, single and double, \$3.00 per 100. Lebanon Greenhouses, 620 Cumberland Street, Lebanon, Pa.

PLANTS in 2-in. pots, prepaid on Southern Express, for 2c. Alternantheras, red and yellow, Salvia, Acoratum, Double Alyssum. In kinds of Cedars, Thomas Greenhouses, 602 East Magnolia Street, Fitzgerald, Ga.

DOUBLE LOBELIA, Kathleen Mallard, 3 in., 8c.; 2 1/4 in., 4c., full of buds and bloom; strong cuttings from soil, 2c. Mme. Sallered geraniums, 2 1/2 in., 2 1/2c. Reduced prices; 1 need room. J. L. Stone, Trumansburg, N. Y.

CARNATIONS, field-grown, 15,000 Enchantress and Winsor, ready for delivery July 1. Orders filled in strict rotation. Order now and be first. Prices on application. We guarantee satisfaction; we lead in superb field-grown stock. Wa-No-Ka Greenhouses, Barneveld, N. Y.

SALVIA ZURICH, strong from soil, \$2.00 per 100; \$20.00 per 1000. Prior's Fringed Petunias, strong from soil, \$2.00 per 100; \$15.00 per 1000. Ageratum, blue, dwarf, \$1.50 per 100; \$12.00 per 1000. Sweet William, strong field clumps, \$3.50 per 100; \$25.00 per 1000. Tomato Plants, all varieties, strong, in any quantity. Bay View Floral Company, Southold, L. I., N. Y.

FOR SALE

FOR SALE—300 hot bed sash, size 3x6, with 10x12 lights. All glazed and in good condition. J. Sussermann, 229 Livingston Street, Newark, N. J.

FOR SALE—Tobacco Dust and Tobacco Stems. Dust, 100 lbs. \$2.50, in case lots; about 350 lbs. 2c. per lb. Stems, \$2.00 per bale, about 400 lbs. Cash with order. S. R. Levy, Binghamton, N. Y.

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parschelsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. E. Reich, 1429 Metropolitan Avenue, Brooklyn, N. Y.

FOR SALE—Five greenhouse rafters, 2 1/2 x 100, material in first-class condition. Can be inspected at any time this month at Great Neck, L. I. (known as Fisher Greenhouses), or address J. Sussermann, 229 Livingston Street, Newark, N. J.

FOR SALE—Seven greenhouses complete, or in single lots, 250 boxes 10x12 glass, 3000 feet of 4-in. cast-iron pipe, 2000 feet of 2 and 1 1/2 in. wrought iron pipe, five boilers, with 700 feet of Hitcheings ventilating apparatus and all kinds of other greenhouse material. Inquire, Pentie Estate, 131 North Miller Street, Newburgh, N. Y., or address J. Sussermann, 229 Livingston Street, Newark, N. J.

FOR SALE

PIPE Good serviceable second hand with good threads and a coupling with each length, no junk—1 in. 3c.; 1 1/4 in. 4c.; 1 1/2 in. 5c.; 2 in. 6c.; 2 1/2 in. 10 1/2c.; 3 in. at 14c. and 4 in. at 19c. New 2 in. standard black, 10 1/2c. All kinds of fittings for 4 in. cast iron. All sizes wrought iron pipe carried in stock.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, new round boiler, heating 900 sq. ft. of glass, \$40.00. We have other sizes and makes in stock. Write for prices.

ICE BOX 3 ft. wide, 8 ft. high and 2 ft. 6 in. deep, full glass front, white enameled, in good condition with 8 wire bottom drawers. Price, \$20.00.

WALL CASE upper part 6 ft. fancy glass drawers, 20 in. deep. In good condition. Price, \$6.00.

NEW THREE PLY ROOFING guaranteed water or acid. Very strong, 216 sq. ft. roll, \$2.00.

SAFE About 3 ft. all around, \$25.00.

GARDEN HOSE In lengths up to 600 ft., lengths carried in stock. 3/4 in., 3 ply, guaranteed 100 lbs. pressure, 8 1/2c. 4 ply guaranteed 250 lbs. pressure, 12 1/2c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 16 1/2 in. up. Second hand sash glazed, \$1.25, good condition.

GLASS 8x10 single at \$1.69 per box; 10x12 and 12x12 B, double, \$2.00 per box; 12x14 to 12x20, 14x14 to 14x20, 16x16 and 16x18, B, double, at \$2.15 per box; and 16x20, 16x24 and 12x24, B, double, \$2.26 per box. Discount given in large quantities.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO. Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

ALL NURSERYMEN SEEDSMEN and FLORISTS

Wishing to do business With Europe should send for the

"HORTICULTURAL ADVERTISER"

This is The British Trade Paper, being read weekly by all Horticultural traders. It is also taken by over 1000 of the best Continental houses. Annual subscriptions to cover cost of postage, 75 cents. Money orders payable at Lowdham, Notts. Address

Editors of the "H. A." Chillwell Nurseries, Lowdham, Notts. European Agents for THE AMERICAN CARNATION

Philadelphia.

Around Town.

John N. Kulp at Wayne Junction has been very busy all this season. At this time he is preparing ground for his carnations and is planning to have an extra large number this year. Mr. Kulp gets a large amount of the trade in and about Wayne Junction.

Wm. Barth, proprietor of the Girard Florist Shop, at 2841 Girard avenue reports good business in funeral design work; he is also selling a large number of plants.

Samuel R. Aiken, 1722 Columbia avenue, has a very attractive stock which is moving very well. He is also getting some orders for cemetery work in which he expects to be kept busy this season.

J. A. Wolff, N. E. corner Ridge avenue and Dauphin street, is doing considerable design work.

Edwood R. Martin & Company at 2612 Columbia avenue have a splendid display of palms and potted plants; they have had a fine business so far this season and look for some nice orders between now and Decoration Day.

J. Wolff, Jr., S. 43rd avenue and Twenty-eighth street, has had and is having a splendid business. Mr. Wolff says that he cut about six thousand flowers from his cattleya house. His display of orchids is very fine.

E. McGrath, 2307 Ridge avenue, reports a very successful trade in the year that he has been located at this address. He takes trips to parts of the country wherever he hears of any extra fine stock.

One of the nicest retail stores to be seen uptown is that of John C. Gracey at 2634 Columbia avenue. The general appearance is very pleasing to the eye and the impression is one that stays. Each customer is presented a set of post cards with views of the store on them. He also sends to his customers each month a blotter on which is printed his advertisement and another picture of the store or a picture of some extra fine piece of work of which he has numbers to pick from. A standing order for flowers this week is one calling for 2,000 carnations daily; the customer is the brother of Mr. Gracey, who has a drug store in West Philadelphia, and he proposes to give each customer who calls at his store a carnation.

The store of J. Wolff Moore, 1120 Columbia avenue, is very nicely stocked. Business is reported fairly good.

Charles H. Fox, at his store at Twenty-first street and Columbia avenue, has an attractive display of palms and ferns. He reports some good orders for funeral work.

John Curshaw of 1130 Columbia avenue has a fine display of potted stock and is selling quite a number of plants.

The Pine Tree Silk Mills Company is putting a new finish ribbon on the market and so far the demand has exceeded the output. The new ribbon is highly finished and is waterproof, and can also stand very hard usage without losing any of the gloss. This firm has a very attractive line of goods and invites visitors to call and examine the stock.

John Giles, Reading, Pa., has been in town calling on the trade and his numerous friends here.

Alfred M. Campbell of 1510 Sanson street prides himself on his choice assortment of green goods and he is showing a really fine lot of this kind of stock.

Eugene Bernheimer at 11 South Sixteenth street is receiving some nice American Beauty and Richmond roses. Some fine sweet peas were also seen here.

S. S. Pennock of Pennock Meehan Company is up the State on a combined business and pleasure trip and expects to be gone for several days.

W. E. McKissick & Company, 1621 Ranstead street, are handling fine long stem Richmond and American Beauty.

A ZurNieden of Forty first street and Lancaster avenue says that since Easter business has been much better than he expected.

William S. Rich and family of West Philadelphia, are sojourning at Atlantic City.

Club Meeting.

The Florists' Club met on Tuesday evening, about 20 members being present. The speaker was Edwin Lonsdale, who gave an interesting and instructive talk on schizanthus. At the

next meeting there will be a smoker; a large attendance is requested. A large delegation to the S. A. F. O. H. convention at Niagara Falls next August is expected, and Philadelphia will have her usual bowling team there.

Mr. Lonsdale exhibited a dwarf form of Schizanthus Wisetonensis named compacta, regarding which the committee on novelties, Robert Craig, chairman, reported as follows:

"Your committee reports that it has examined the seedling of Schizanthus Wisetonensis, which Edwin Lonsdale has raised and named S. Wisetonensis compacta, in the greenhouses at Girard College, and again a sample plant at this meeting. It is much dwarfier than the Wisetonensis type, very compact and floriferous and is very attractive. Several colors are to be had. Mr. Lonsdale has several dozens of these plants, and they are all of the same compact form. In the opinion of the committee Mr. Lonsdale has a very valuable plant."

There were also on exhibition some window boxes, pedestals and vases of concrete construction, which attracted considerable attention. P. M. READ.

Washington, D. C.

Trade Notes.

There is little to say concerning the market. The drought which has prevailed for several weeks ended on Saturday and much needed rains have fallen.

Washington is still thronged with people, this being the long session of Congress. Many will remain until quite late. This class is giving functions daily, most of them decorated elaborately, thus keeping up business.

There was a meeting of the Florists' Club on the night of May 5, which notwithstanding the inclement weather was well attended. There was also an entertainment and refreshments in connection with the meeting. Professor Charlemagne Koehler, who has so frequently entertained the club and its guests, and who was elected an honorary member at its last meeting, was present and recited to the great amusement of all present. Professor Koehler is to give a testimonial entertainment for his benefit at Rauscher's Hall, Connecticut avenue and L street, N. W., on May 19, which it is hoped will be largely attended not only by his many florist friends, but by others. In this entertainment your correspondent has been informed that in addition to Professor Koehler's appearance in some of his best repertoire, the best local talent of his selection will appear. Tickets of admission are on sale at \$1 each and may be had by addressing Professor Koehler at Hotel Manhattan, Washington, D. C., or Chas. McCauley, secretary, Eighteenth and Kearney streets, N. E., City. There is certainly no better way in which the florists of Washington can show their appreciation of past favors than by a large attendance and active interest in the financial end of the benefit testimonial for the professor. JAS. L. CARRERY.

Newport, R. I.

Trade Notes.

The marriage of Miss Pauline Leroy French to Mr. Samuel Jones Wagstaff created quite a little stir in Newport this week, and brought a large number of our Summer residents on from the cities for the event, which gave the local florists extra work.

Jos. Leikens had charge of the decorations at "Harborview," the residence of Mrs. F. O. French, and at St. John's Church where the marriage ceremony took place. Mr. Leikens arrived here on Sunday morning with several assistants and at once went to work getting things in shape at his Bellevue avenue store, which he opened temporarily.

The decorations for the dinner given Saturday evening by Miss French for her maid of honor and bridesmaids was in charge of Gibson Brothers, who put up a handsome decoration, using besides

ROSES

Baby Rambler, 5 in., in bud and bloom, \$25.00 per 100. Rooted Cuttings of CHRYSANTHEMUMS, Nonin, Mardock, and Engobard, \$9.00 per 1000.

Cash only.

PAUL BRUMMER, CORONA, L. I.

the Bride rose lit of the valley with carnations and bouquets. For a touch on the next day the Richmond rose was used, as fine a lot as I have ever seen.

The decorations at the house for the marriage consisted of American Beauty and Bridesmaid roses, and at the Zerkbrisk Memorial Church, where the ceremony was performed, palms and Easter lilies formed the principal decoration. Bridesmaid roses in large bunches were carried by each of the eight bridesmaids, the bride carrying a shower bouquet of lily of the valley arranged by Leikens.

The decorations about the grounds were by E. L. Ziegler. A. M.

CHANGES IN BUSINESS.

The Florists' Exchange will be pleased to publish under this heading all changes occurring in the addresses of firms connected with the trade as well as notices of concerns or individuals just starting in business. All such items are inserted free of charge.

CADILLAC MICH. Joseph Carlsson is running the greenhouse plant on Cadillac street succeeding Mr. Tweedie.

RAPID CITY, S. D. Dr. D. N. Surface is building a greenhouse and will embark in the florist business.

BLOOMINGTON, ILL. The Amber Plant Company is a new concern organized here for the growing of plants, flowers, etc.

BELLEFONTAINE, PA. E. J. Eckenroth will erect a greenhouse on Howard street and engage in the business under the name of the City Florist.

NEW HAVEN, CONN. The florist establishment of John Doughty will hereafter be known as Doughty & Company with greenhouses at 200 Kimberly avenue.

The book of WATER GARDENING

By Peter Bissel. Price, postpaid, \$2.50
A. T. DE LA MARE PIG. & PUB. CO., LTD.
2 to 8 Duane Street, New York

Carnation Cuttings

White Enchantress, Beacon	1000
Winsor, Pink Imperial	\$50.00
White Perfection, Victory	40.00
Enchantress	25.00
SCOTTI FERNS, from 2 1/2 in. pots,	15.00
per 1000	\$22.50

SCOTTI and WHITMANI and BOSTON, 5 in., per doz., \$2.50; 6 in., per doz., \$4.00; 8 in., each, 75c; 10 in., each, \$1.00; 12 in., each, \$1.25.

BEGONIA Vernon, from flats, twice transplanted, \$2.00 per 100.

LARCHMONT NURSERIES
LARCHMONT, N. Y.

CARNATIONS

Large stock on hand. Strictly first-class. Satisfaction guaranteed. Samples free.

Perfection, Victory	100	1000
Bountiful	\$2.75	\$25.00
W. Lawson, Enchantress	2.50	20.00
P. Lawson	2.00	18.00
Queen Boston Market, Harlow	1.50	15.00
warden	1.50	15.00
Add one to per 100 price for 2 in. stock		

A. A. GANNETT GENEVA, N. Y.

CARNATION CUTTINGS AND PLANTS

ONLY THE BEST VARIETIES
SEND FOR OUR LIST

Chicago Carnation Co.
A. I. PYFER, Mgr. JOLIET, ILL.

AFTERGLOW

Strong Rooted Cuttings now ready
\$12.00 per 100, \$100 per 1000

R. WITTERSTAETTER
Originator

Station F. CINCINNATI, O.

CARNATIONS

400 GENEVIVE LORD 500 PROSPERITY
500 HARLOWARDEN 750 QUEEN

CHRYSANTHEMUMS

100 Opah 1000 Golden Beauty
100 Polly Rose 1000 White
1200 Tumbat 1000 Pink
100 Ivory 2000 Glory of the Park
100 Beatrice May 500

Yellow 100 Pink Ivory
650 Col. Appleton 1000 Wm. Duckham
700 Bonanodon 1000 Mand. Beau
750 Golden Wedding 1000 Helen Frank

THE H. WEBER & SONS CO.
OAKLAND, MD.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.

White Lawson, Lady Bountiful, \$2.50 per 100, \$20.00 per 1000.

Queen, Boston Market, Plnk Lawson, H. Goddard, \$1.50 per 100; \$15.00 per 1000.

Victory, \$3.00 per 100; \$25.00 per 1000.

Craig, \$2.50 per 100; \$20.00 per 1000.

Cardinal, \$2.00 per 100; \$17.50 per 1000.

Harlowarden, \$1.50 per 100; \$15 per 1000.

Enchantress, \$2.00 per 100; \$18 per 1000.

White Perfection, \$2.50 per 100; \$22.50 per 1000.

Cash with order or satisfactory references.

SMITH & GANNETT, Geneva, N. Y.

CARNATIONS

WINONA. The true pink. \$12.00 per 100; \$100.00 per 1000.

Red Chief	100	1000
Aristocrat	\$5.00	\$40.00
Winsor	6.00	50.00
Beacon	6.00	50.00
White Perfection	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Enchantress	3.00	25.00
Lady Bountiful	3.00	25.00

F. DORNER & SONS CO.
LAFAYETTE, IND.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO

CARNATIONS

3000 ENCHANTRESS, out of soil, \$2.00 per 100, \$15.00 per 1000.

QUIDNICK GREENHOUSES, Quidnick, R. I.
Anthony P. O. J. H. CUSHING, Prop.

JOHN E. HAINES
BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908:

John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000

Place orders early for December delivery.

CARNATIONS From Pots

QUEEN	100	1000
HARLOWARDEN	\$2.00	\$18.00
MRS. PATTEN	2.50	20.00
LADY BOUNTIFUL	2.50	20.00
ENCHANTRESS	2.50	20.00
ROSE PINK ENCHANTRESS	1.50	15.00
WHITE ENCHANTRESS	6.00	
PINK IMPERIAL	6.00	
JOHN E. HAINES	5.00	

S. G. BENJAMIN, Fishkill, N. Y.

GRAFTED ROSES

NOVELTIES

MRS. JARDINE, RHEA REID, QUEEN BEATRICE.

The above, \$6.00 per doz., 50 plants for \$18.00, \$36.00 per 100.

MY MARYLAND, 50c. each, \$5.00 per doz., \$25.00 per 100.

On own roots, 2 1/2 in. pots, \$25.00 per 100, \$2.00 per 10; 3 in. pots, \$35.00 per doz.

STANDARD VARIETIES

Aurora, Betty, Bon Silens, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chateau, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncia John, Wellesley, White Cochet.

GRAFTED, 2 1/2 inch pots, 20c. each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1000.

OWN ROOT ROSES

From 2 1/2 inch pots, repotted from 2-inch. Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncia John, Richmond, Mme. Abel Chateau, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000.

From 2 inch pots ready for shipment, \$3.50 per 100, \$30.00 per 1000.

CARNATIONS—Rooted Cuttings.

Table with 2 columns: Name and Price. Includes White Perfection, Rose Pink Enchantress, Enchantress, Queen Louisa.

From 2 1/2 inch pots, add \$1.00 per 100.

MISCELLANEOUS PLANTS

AGERATUM, Stella Gurney, Princess Pauline. SALVIA Splendens, S. Bonfire. HELIOTROPE.

Rooted cuttings 75c. per 100, \$6.00 per 1000.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS From flats, \$10.00 per 1000.

A. N. PIERSON, - CROMWELL, CONN.

COLEUS

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 60c. per 100; \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

CHRYSANTHEMUMS

READY FOR SHIPMENT

Virginia Pochlmann, Angele Laurent, Golden Dome, Mlla. Jeanne Rosette, Money Maker, From 2 1/2 in. pots \$2.00 per doz.; \$10.00 per 100.

Mrs. Clay Frick, Zimmers Yellow, Mary Mann, From 2 1/2 in. pots \$1.00 per doz.; \$6.00 per 100.

Noted Cuttings, \$5.00 per 100.

CHOICE POMPONS, Klondyke, Quinoa. CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita.

From 2 1/2 in. pots, \$1.00 per doz.

STANDARD VARIETIES

WHITE—Early: George S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Niveus, Queen, Alice Byron, Bureka, Miss Minnie Wadamaker, Adella. Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.

PINK—Early: Glory of the Pacific, Rosiere. Mid-Season: J. K. Shaw, Adela, A. J. Balfour, William H. Deckham, Dr. Enguehard, Morton F. Plant, Late: Maud Dean, The Harriott, Mayor Weaver, Mrs. James Marshall.

YELLOW—Early: Monrovia. Mid-Season: G. Pletcher, Col. D. Appleton. Late: Major Bonnafant, Golden Wedding, H. W. Rainman, Yellow Eaton.

RED—Cullingfordi, Merstham Red, Matchless. BRONZE YELLOW—Mrs. William Deckham, Old Gold.

POMPONS—Baby (Yellow), Lula (White), Briolais (Pink). From 2 1/2 inch pots: 5c. each, 50c. per dozen, \$3.00 per 100, \$25.00 per 1000.

Rooted Cuttings: \$2.00 per 100, \$15.00 per 1000.

SMITH'S NOVELTIES FOR 1908

Golden Glow, Pacific Supreme, White Cloud, 2 1-1/2-inch pots, \$5.00 per dozen. Ready for shipment.

FELTHOUSEN'S GERANIUMS

None better, if as good. The following varieties, in 2 1/2 in. pots, with or without soil, \$18.00 per 1000.

Beaute Poitevine, S. A. Nutt, La Favorite, John Doyle, Richard Brett, Ricard, Bruanti, General Grant, M. Cnovas, Jean Viaud, Pasteurean, Landy and several others.

FUCHSIAS, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

HELIOTROPE, rooted cuttings, \$1.00 per 100; 2 1/2 in. pots, \$3.00 per 100.

COLEUS, rooted cuttings, 60c. per 100; \$5.00 per 1000.

AGERATUM, Stella Gurney, 60c. per 100 R. C.; 2 1/2 in. pots, \$1.00 per 100.

PERIWINKLE, 2 in., \$2.00; fins 4 in., \$6.00 per 100.

LOBELIA, 2 in.

ALYSSUM, Carpet of Snow and others, 2 in., \$2.00 per 100.

ENGLISH IVY, R. C. strong, \$2.00 per 100.

FEVERFEW, 2 in. strong, \$2.00 per 100.

Cash with order.

J. E. FELTHOUSEN Schenectady, N. Y.

GERANIUMS and other PLANTS

in bud and bloom

Geraniums, S. A. Nutt, Beaute Poitevine, Alphons Ricard, La Favorite, Frances Perkins, John Doyle, Jean Viaud, Marquis de Castellane, 3 1/2 in. pots, \$5.00 per 100.

Rosa Geraniums, 3 1/2 in. pots, \$5.00 per 100.

ivy Geranium, double, Garden Glory, incomparable, Alice Crousse, De Braza, 3 1/2 in. pots, \$5.00 per 100.

Fuchsias, Snow White and Storm King, 4 in. pots, \$8.00 per 100.

Cannas, Charles Henderson, Duke, Florence Vaughan, Queen Charlotte, Egandale, Martha Washington, pink, 4 in. pots, \$5.00 per 100.

Pelargonium Victor, 3 1/2 in. pots, \$7.00 per 100.

Begonia Metallica, 3 in. pots, \$4.00 per 100.

Vinca Variegata, 3 in. pots, \$3.00 per 100.

Petunias, large flowering, 3 in. pots, \$2.50 per 100.

Verbenas, 3 in. pots, \$2.50 per 100.

Heliotrope, 3 1/2 in. pots, \$5.00 per 100.

Chieftain and Queen of Violets, \$5.00 per 100.

Vinca Variegata, Ageratum, Dwarf Blue; Geraniums, Jean Viaud, La Favorite and John Doyle. Cash with order.

WM. J. CHINNICK, - TRENTON, N. J.

GERANIUMS

S. A. Nutt, John Doyle, A. Ricard, Buchner, Castellane, Jean Viaud, Beaute Poitevine, Mme. Sallero, 2 in. pots, \$2.00 per 100; 3 in. pots, \$3.00 per 100; 4 in. pots, \$5.00 per 100.

COLEUS

Golden Bedder, Crimson Verticillata and 15 other varieties, R. C., 60c. per 100; \$5.00 per 1000; 2 in. pots, \$1.50 per 100; \$15.00 per 1000.

ASPARAGUS Sprengeri and Plumosus Nanus, 4 in. pots, \$5.00 per 100.

100 100 100 R. C. 2-in. 3-in. \$0.50 \$1.50

AGERATUM, Gurney .75 2.00

SALVIA, Bonfire .75 2.00

SWEET ALYSSUM .75 2.00 \$3.00

HELIOTROPES .75 2.00 \$3.00

FUCHSIAS, 1 in. varieties, 2 in. 3.00

PANSY PLANTS, \$5.00 and \$8.00 per 1000.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

100,000 GERANIUMS

Rose, Nutt, D. Grant, Buchner, Poitevine, Castellane, in bud and bloom, well grown, strong, 3 1/2-4 in., \$5.00 per 100; \$45.00 per 1000; selected 3 in., \$6.00 per 100; strong 3 in., \$3.50 per 100.

Mrs. Sallero, strong, 2 in., \$2.00; 3 in., \$2.50; 4 in., \$3.00; 5 in., \$3.50; 6 in., \$4.00; 7 in., \$4.50; 8 in., \$5.00; 9 in., \$5.50; 10 in., \$6.00.

Verbenas, Lobelias, C. and trailing; Ageratum, blue, all in bud and bloom; Nasturtiums, Salvia Bonfire and Splendens, Coleus, 12 varieties, all strong, 2 in., \$1.50 per 100; \$14.00 per 1000; strong, 3 in., in bloom, \$2.50 per 100, including Dreer's single fringed Petunias, German Ivy, Heliotrope, in bloom, strong, 3 in., \$3.00 per 100.

Begonia Vernon, in bloom; Cannas, strong 3 in., \$4.00 per 100; 4 in., \$5.00.

Vinca Variegata, strong, 4 in., \$6.00; 5 in., \$7.00; 6 in., \$8.00; 7 in., \$9.00; 8 in., \$10.00; 9 in., \$11.00; 10 in., \$12.00.

Scandens, 2 feet, stalked, strong, 3-4 in., \$8.00 per 100. Cash. Extras added. Satisfaction guaranteed.

WM. S. HERZOG, Morris Plains, N. J.

GERANIUMS

Fine stocky plants in bud and bloom, Nutt, Ricard, J. Viaud, M. Chevereire, M. Janlin, Dryden, Perkins, Hill.

PANSIES

Extra fine strain in bud and bloom, \$2.00 per 100, \$18.00 per 1000.

COLEUS

Rooted Cuttings, 75 cts. per 100, 2 1/2 inch \$2.50 per 100.

Cash or C. O. D.

W. J. & M. S. VESEY, FORT WAYNE, IND.

GERANIUMS

2 in. S. A. Nutt, \$2.00 per 100; \$18.00 per 1000; \$2.25 per 100; rooted cuttings, \$12.00 per 1000; \$1.25 per 100. VARIOGATED VINCA, rooted cuttings, \$10.00 per 1000. Cash with order.

S. N. PENTECOST

1790-1810 East 101st St., CLEVELAND, O.

Jottings for Florists.

There were very few of the single-flowered, crimson-colored climbing rose Hiawatha offered for sale as Easter plants in Philadelphia in the year 1908. It is a meritorious variety and it would be as well to remember that no time should be lost in securing stock for 1909, for it is a dainty little beauty.

Under the heading "Reminiscences of a New York Plantsman," in a recent issue, mention is made of "Lady Pollock" as belonging to the Odier class of pelargoniums. I presume Mrs. Pollock is meant; and if so, Mrs. Pollock belongs to the golden tricolor geraniums, or, more properly, golden zonal tricolor pelargoniums. The Odier pelargoniums are a section of the show pelargoniums, a development made by florists in France, and would be called, as are all this class of pelargoniums on this side of the water, the "Lady Washington."

It is reasonable to suppose that at some time in the history of floriculture in America a pelargonium was in existence named Lady Washington, and the name has stuck ever since. I do not mean among florists, but among the people in general.

Mrs. Pollock was raised in England by a gardener named Peter Grieve. It is to be regretted that the golden tricolors do not thrive well in America.

What shall be done with the Holland bulb growers and exporters? Those who duplicate and send over to America inferior bulbs and not true to name! A case in point: In the two large circular beds in front of the main building in Girard College grounds it was the desire to have a color scheme with tulips that should have been quite effective for this Spring's display. The colors desired were red, white and yellow. The white and yellow came out all right, but the red! Belle Alliance was ordered, came along two weeks too late to give the desired effect, and some Joost Van Vondel were ordered for a certain bed, but a very inferior variety was received, one similar in marking, but the colors were not nearly so clear and true as is the correct Joost Van Vondel, nor were the flowers so large.

The daffodils received here were mixed; the Bicolor grandis were nearly half Golden Spur. To stop importing for one year might cause the Hollanders to realize that gross errors (?) had been made; and it might perchance bring them to their proper senses.

GERANIUMS

RICARD, DOYLE, VIAUD, NUTT, 2-inch, \$2.00 per 100, \$18.00 per 1000.

NUTT, BUCHNER, RICARD, VIAUD, JAU-LINE, \$1.00 per 100, \$9.00 per 1000.

Cash with order

PETER BROWN, Lancaster, Pa.

GERANIUMS

S. A. NUTT, large, well-grown plants, in bud and bloom, \$7.00 per 100, in large or small quantities, out of 3 1-2-inch pots. Cash.

STEPHEN CHASE, Nashua, N. H.

GERANIUMS

In bloom for Easter. 4 in. pots, \$1.00 per doz.; \$6.00 per 100. Cash please.

Henry Eichholz, Waynesboro, Pa.

GERANIUMS

Nutt, Doyle, Viaud, Montemort, Buchner, Janlin, 3 in. pots, \$4.00 per 100.

Ricard, Poitevine, 3 in. pots, \$5.00 per 100. Healthy, strong plants, ready May 15.

Cash with order.

RUDOLF NAGEL, Art Gardener

S. WEST END AVENUE, LANCASTER, PA.

CHRYSANTHEMUMS

100,000 Plants, now ready, in 2 1/2 in. pots of all the novelties and standard varieties. The best American and Australian seedlings, and a complete list of the new singles.

ROSES

Rhea Reid and Mrs. Jardine, \$4.00 per dozen; \$30.00 per 100. Grafted Brides, Maids, Richmond, Killarney, \$12.00 per 100; \$100.00 per 1000. Own root Brides and Maids, 2 1/2-in., \$3.00 per 100; \$25.00 per 1000.

BEGONIA Gloire De Lorraine, \$15.00 per 100; \$145.00 per 1000.

CHAS. H. TOTTY, Madison, N. J.

CHRYSANTHEMUMS R. C. Q 2 1/2 in. NOW READY

Orders filled in rotation as quick as possible. Only good, strong stock will be shipped.

Table with 4 columns: Name, R. C., R. C., 2 1/2 in., 2 1/2 in. Includes WHITE—October Frost, earliest white; Kalb, Robinson, Clementine, Touset, Alice Byron, White Bonnafant, Timothy Eaton, W. H. Chadwick, Jeanie Nonin, Merry Christmas; Virginia Pochlmann; Garza, Pompon, large; YELLOW—Monrovia, earliest yellow; Halliday, Col. Appleton, Major Bonnafant, Chautauqua Gold, Yellow Eaton, Golden Wedding, Golden Chadwick; PINK—Rosier, McNeice, Dr. Enguehard, Maud Dean; RED—Intensity, Strimpton.

Our stock plants are all grown on top of benches to procure the best results, and are far superior to most of those offered. Satisfaction guaranteed. We are in a position to propagate 800,000, if necessary, for our trade. Cash with order from unknown parties.

POEHLMANN BROTHERS CO., Morton Grove, Ill.

ASPARAGUS, BOSTONS, AZALEAS

Plumose Nannas, 2 1/2 in., \$2.50 per 100, \$30.00 per 1000; 3 in., 6c.; 2 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. Comorensis, 2 in., 2c.; 2 1/2 in., 3c.; 3 1/2 in., 6c. Sprengeri, 2 1/2 in., 3c.; 3 1/2 in., 8c.; 4 in., 10c.

Bostons, 2 1/2 in., 4c.; 3 in., 8c.; 6 in., 40c.; 7 in., 66c.; 8 in., \$1.00 to \$1.50; 10 in. \$1.50 to \$2.00.

Azaleas. We are now booking orders for delivery. Our stock is the best in the West. Kiuloch, Delmar 474 L.

Greenhouses at Clayton, Mo. J. W. DUNFORD, Kings Highway and Page Bldg., St., Louis, Mo.

CARNATIONS

Table with 2 columns: Name and Price. Includes White Perfection, Pink Imperial, Windsor, Enchantress and J. Haines.

GERANIUMS

S. A. Nutt, Poitevine, Ricard, Viaud, Castellane and Perkins at \$10.00 per 1000.

ASPARAGUS Plumosus, ready for 3 inch now at \$30.00 per 1000 Sprengeri and SmHex, ready June 1st, at \$15.00

ALBERT M. HERR, Lancaster, Pa.

CEMENT BENCH CONSTRUCTION

Post Molds and Clamps for the Construction of Cement Benches on the Wittbold System, the most economical, best, and simplest system ever devised.

Make Your Own Benches and Save Time and Trouble

We furnish full and complete instructions for making Cement Benches at a cost not exceeding that of Cypress Benches. Wooden benches last hardly four years. Cement benches will outlast an ordinary greenhouse—which will you instal?

ADVANTAGES OF CEMENT BENCHES

**EASILY AND QUICKLY CONSTRUCTED
ONCE BUILT WILL LAST A LIFETIME
NO REPAIR BILLS
CLEANLINESS**

Write for particulars and full construction details—they are yours for the asking

E. H. HUNT, 76 Wabash Avenue, CHICAGO

Under the heading "Our London Letter" appearing recently in The Florists' Exchange reference is made to a certain carnation exhibited at the meeting of "The Perpetual Flowering Carnation Society" recently held in England. Mr. Burnett was the exhibitor, and the name of the variety was Mikado, the color of which is described as "a peculiar shade of heliotrope purple." Same was given an award of merit. The name Mikado has been given to a carnation raised and disseminated in America, by the firm, of which the President of the American Carnation Society, Marcellus A. Patten, is the senior partner. As I remember the Mikado it was in coloring an intensified Prosperity; that is to say, the markings were similar but the coloring was more pronounced than is to be found in the older celebrity. How does the color of the English Mikado appeal to carnationists of America?

Many years ago I remember among a "set" of new carnations—new carnations were put out in sets in those days—one of which was a slaty color, with a few pink stripes in each petal, but I cannot now recall the name. In that set there were varieties bearing such illustrious names as George Washington, Henry Ward Beecher, Horace Greeley and others. (Will some one furnish a complete list with descriptions thereof? It would be interesting.)

Since writing the above I have received the following letter from President Patten of the American Carnation Society: "Replying to your inquiry concerning Mikado, I would say this is the result of a cross between Governor Roosevelt and Prosperity, raised in 1901. Color, white, overlaid with distinct blotches of crimson, stiff stems, blooms three to four inches in diameter; strong spicy odor, good calyx. We disseminated Mikado to the trade during the season of 1905 and 1906. It received a first-class certificate of merit at Chicago from the American Carnation Society January 25-26, 1905, also a report of merit

from the Boston Gardeners and Florists' Club, December 20, 1904, also a report of superior merit from same club January 16, 1906.

"The bloom is after the style of that of Prosperity, but blotched crimson, not pink as in Prosperity, while the habit of growth is similar to that of Governor Roosevelt.

"Can't you be with us next year at Indianapolis?"

This fact proves that an International Registration Bureau will have to be established to avoid the confusion of plant names. Especially does this apply to the names of carnations, as new varieties of perpetual flowering carnations are being raised and put out in both England and America, so that it behooves all societies devoted to horticulture in America and all other countries to anticipate possible confusion in the duplicating of names, by adopting measures that will reduce the probabilities of having one name to two or more distinct varieties of plants to a minimum.

The surplus of carnation flowers is bothering the growers thereof quite a good deal. As a general rule, in all businesses the supply is regulated by the demand. The regulation of the production of carnations according to the demand is a very difficult problem to solve, especially this year, because to produce a crop of carnation flowers, plans have to be made and action taken a year before a crop may be expected.

The overproduction of carnations at the present time is caused through plans being laid when times were prosperous and the crops matured when times are poor.

Men on the streets dispose of a goodly number of carnations, but to a grower of flowers they present a very sorry appearance in the way they are generally handled by the curb-merchant; for the most part they have a very bedraggled look. It would be far better if all flowers could be disposed of through the flower shops.

To do this it would be advisable for the retailer and grower to cultivate

closer relations, and it is reasonable to suppose that the results would be very much better for both branches interested, and the science of floriculture would be more far-reaching in its effects, and in consequence more beneficial generally.

The seedsmen and nurserymen, especially the seedsmen, are doing effective work through the Council of Horticulture in teaching lessons in gardening for amateurs by the dissemination of information through the daily press. Would it not be worth while for carnation specialists to spread information through the same sources as to the value of carnations as a cut flower for the home?

It is true, in sending matter to the daily papers for publication the smack of selfish commercialism must be carefully eliminated, in the material so furnished, and the person having the matter in charge must be above suspicion! This very fact is where the organizers of the Council of Horticulture displayed great wisdom in selecting a secretary who is in no way commercially connected, but who is instead associated in a public garden where good work is being accomplished for the grand cause of horticulture in general.

There are active members belonging to the American Carnation Society who are fully capable of taking hold of booming the demand for carnation flowers, through the medium of the reading matter of the public press, but whether it could be done acceptably to the controlling powers of the daily newspapers is problematical. That the growers of carnations will have to take the initiative—if any is taken—in the movement to increase the demand for the flowers they grow, goes without saying.

The late Charles T. Starr, one of the pioneer carnation growers for Winter flowering in America, advertised his flowers for sale at retail, but only through his catalogue, so far as I know. He did not, however, sell all that he grew in that way, for some he sold at wholesale to retailers, and the

VIOLETS

Governor Herrick

New single violet, fine deep color, heavy foliage, will produce 135 to 160 blooms per plant; hardy stock, 10-inch stems, keeping qualities unsurpassed; good seller. Price, \$25.00 per 1000 in clumps.

Cash with order.

**LOUIS D. McCOY
SPRING VALLEY, ROCKLAND CO., N. Y.**

VIOLETS

Strong, healthy rooted runners of Lady Campbell and California, \$1.00 per 100; \$6.00 per 1000. Fine sand-rooted cuttings of Lady Campbell, \$1.00 per 100; \$7.00 per 1000. None but healthy, well-rooted plants sent out. A full stock of field-grown plants of the above ready in August.

Address, CHARLES BLACK, Hightstown, N. J.

remainder he sent to a commission house.

No doubt the time will come when the grower will find it advantageous to advertise in the better class of weekly and monthly publications, flowers to be delivered twice weekly to any point within reasonable distance in the United States, either by mail or express. That should have a tendency to relieve the surplus somewhat and at the same time to carry fragrance, beauty and consequent pleasure to remote parts of the country, where such flowers are not often grown or seen.

Of course there is a limit to the distance carnations may be carried safely and give satisfaction, but carnations are among the very best of flowers to carry long distances successfully, and with care taken in packing no doubt a business could be established that would be profitable to the grower and generally satisfactory to the buyer. EDWIN LONSDALE

REVIEW OF THE MARKET

NEW YORK. The cut flower market shows no improvement over last week. There was a little spurt on Saturday last but it was short-lived, and no attempt at raising prices was made. Stock cleaned out better than had been the rule for several days, particularly in roses and carnations. The supply of American Beauty and other roses so far this week seems to keep well up, and where clearances are effected there has to be considerable cutting of prices. Efforts are made to get 50c. for American Beauty at times, and 50c. and 50c. for the best in the tea varieties. There are very few indeed that can be disposed of at these figures, and averages will necessarily be quite low. Carnations are still plentiful, and a great many are offered at 50c. per 100; extremely good flowers are sold in quantities at \$1 per 100, a few reaching over that figure when bought in small lots. The violets coming into the city have very much the appearance of the wind-up of the season; so far as prices go on these, there are none, as the market for them seems to be entirely over.

Suandragon and sweet peas are extremely plentiful, but no fixed prices obtain; buyers who need the flowers in quantity can get them at their own figures almost. There is a fairly steady supply of cattleyas, oncidiums and dendrobiums; demands are not any too extensive. Gardenias are fairly plentiful, and with present market conditions they have to be sold at quite reasonable prices in order to get rid of them. Lilies, perhaps, are suffering more than any other flower; a great many are sold at \$1.50 per 100, and some of the best coming into the market are obtainable at \$3 per 100. The supply of Marguerites is now quite heavy; unfortunately, when there is little demand for them. Some gladioli reach the market every day, though they are as yet in somewhat limited quantities. The only lily obtainable just now is the Southern grown, and this is chiefly handled by the street merchants. Both Spanish and German lilies are coming in regularly; and the supply of tulips and narcissus is rather excessive. So far the month of May has been a very quiet one in cut flower lines.

CHICAGO. Quite an improvement is noted in the market this week, but it is still a long way from the normal condition. Shipping business is better, orders from outside points being more generous and frequent. Local demands, however, continue very light, although retailers in general appear to be carrying fair stocks—a fact which strengthens a supposition that many of the larger stores are receiving direct shipments from growers while produce is unduly plentiful. A few days of dark weather have curtailed arrivals to some extent, and local frosts have kept down the influx of outside stock from very near points. Roses continue plentiful and cheap, and bargain transactions are the rule rather than the exception. While isolated cases may show slightly higher returns, rose prices in general are within the range of those quoted. Carnations are still plentiful, but prices are stronger, and little business is done below the dollar mark, except where a clearance is absolutely necessary. There are the quantities of lilies to be had, and prices remain low. Good lily of the valley is not over plentiful, and the best will realize as high as 4 cents. Sweet peas are in good demand, and at times are in short supply. Violets are still coming in, but the quality is nothing, and thousands go to the dump pile. Jasmine from the South is arriving in quantities, and moves at any figure from 50c. to \$3 per 100; at the last named figure they must be exceptionally good. Peonies are not coming in in very large numbers, but the quality shows improvement. Daisies, both yellow and white, are plentiful, the former moving well at 2c. Bulbous stock is not so abundant but moves slowly, arrivals generally being inferior in quality. J. H. P.

BOSTON. The past week has seen no improvement in business; in fact, not far was business done so much at a standstill as it is now. This is especially felt by growers who sell their own products. Those who have an out-of-town or shipping trade find more outlet for their goods, but prices are low. There are good grades of roses now in the market. American Beauty have the lead followed by Richmond and Killarney down to the more common Bride and Bride-maid, of which varieties there are large numbers on the market. Carnations are very plentiful. Violets are all gone. Sweet peas are in ample supply. And there is abundant stock of bulbous stock. Lilies remain plentiful. Lily of the valley sells more than all other lilies now quite plentiful. There is a little from the South, but does not sell. J. W. D.

INDIANAPOLIS. The most optimistic forecasts for May do not predict much that would be auspicious in the floral world. Should funeral work and counter trade continue in the fair way of the past two weeks, every one will be grateful until the wedding season is ushered in. Commencements in the smaller surrounding towns are generally provided for by the local florists; more of this work is being received each season. All kinds of flowers are limited in supply, as there has been little sunshine for ten days. The variety, too, makes it difficult to serve customers with satisfaction. The local cut of roses is not sufficient and lacks in quality. Bride, Bride-maid, Richmond and Kaiserin Augusta Victoria being \$5 to \$7 per 100; American Beauty sell well at \$5 to \$10 per 100. A fine grade of Killarney is shipped in at \$8 per 100. Good carnations wholesale readily at \$2 to \$3 per 100; 50c. to \$1 per dozen is the retail price for them. Sweet peas are used for many purposes at 50c. to \$1 per 100. Field-grown lily of the valley is offered by the thousands at 25c. to 50c. per 100; many are off color and short this year. Lilies are disposed of with difficulty at \$5 per 100 sprays. Daisies, heliotrope, nasturtiums, pansies and other short stock is now acceptable to the retailers, who are looking for variety. Much complaint as to the quality of Michigan fern fronds is heard; in some cases fifty per cent. are unfit for use. T. B.

ST. LOUIS.—The cut flower business the past week was anything but good, and wholesalers and retailers are complaining that there is so little doing in their lines. The weather, too, had a great deal to do with the dull business. The plant men, who should be very busy right now, had to quit work planting out, owing to the cold nights which were nearly down to freezing point. There is a vast difference in prices at retail, the downtown stores displaying signs at starvation prices, while uptown those obtained were much better where most of the better class deal. It was a pity to see so much fine grade stock sold at such cheap prices, but then all the wholesalers were in the same boat, and the stock had to be disposed of or be dumped. Today (Monday, May 4) large consignments are still coming in, and another big slump is looked for this week. We will not waste any time quoting prices, as we could not quote them correctly if we tried ever so hard.

ST. PATRICK.

PHILADELPHIA.—The market is still unsettled and stock is moving slowly and at very low prices. Carnations are still very plentiful, going at all kinds of prices and finding few buyers. Sweet peas seem to be the leaders at this time and are fetching fair values. Lily is having some call, but very little stock is available. American Beauty and Richmond roses are plentiful, but are not going very fast. Lilies are still very cheap. Conditions are very much against good business and the majority of the retail florists are complaining. It is noticeable that those getting the best trade are the ones who send out announcements to their customers and keep in touch with them. P. M. R.

ROCHESTER, N. Y. Reflections on the recent Easter trade bring us to the conclusion that in point of business done, it fell short of last year's. So many of our townspeople are out of employment that where purchases were previously made of \$2 to \$5 the prevailing price seemed to be \$1 to \$3 for the majority of sales. There were numerous exceptions of course, but writing of general facts, amounts were smaller, and quite a few large plants of azaleas, genistas, etc., also fancy baskets, that were so much in demand last year were left over. Plenty of lilies were on hand, also plants of every other description, especially spiraeas, of which there seemed to be an overabundance. Nothing particularly new was to be seen, except perhaps in fancy baskets, etc. Salter Brothers had a few plants of the rose Tausendschön; this proved to be a good shipper, and Keper, Crimson Rambler, hardy roses, and in fact every plant, excepting lilies, had no particular run; and in the commission house general assortments of reasonable price plants were disposed of. Here anything was naturally in the mad rush, and it was seemingly not how much could be secured for stock but the chance to sell at all was looked upon favorably, the main idea being to unload it if such a thing was possible.

In the cut flower business violets had preponderance, an extra demand for these being felt at the last moment. Prices held good at 50c. to 75c. per 100. Carnations, roses, etc., came in in unlimited quantity, some good, but the most poor and soft. No special price was realized

CATTLEYA TRIANAE

To hand IN PERFECT CONDITION.

Finest plants ever arrived in this country. In order to move them quickly we offer cases of about 40 fine plants with over 450 bulbs for \$55.00 per case.

CATTLEYA LABIATA, cases of about 40 plants, 400 bulbs, \$55.00.

CATTLEYA MOSSIAE, in fine condition, in cases of 40 plants, \$55.00.

ONCIDIUM VARICOSUM ROGERSII, fine stock, \$18.00 per dozen.

LAGER & HURRELL,
SUMMIT, N. J.

on this stock, values being determined by quality, and ranging from \$1.50 to \$3 per 100 for carnations; roses from \$2 to \$6 per 100; cut lilies from 10c. to 12½c. per flower and bud, but a good deal of this material was bruised in shipping.

The weather was ideal, except for a heavy downpour of rain on Sunday morning, this fact preventing the sale of a great many cut flowers, consequently those who bought heavy found themselves with a deal of left-over stock. COCKNEY.

CLEVELAND, O.—The market the past week has been rather quiet; however, the cold weather has shortened up the crop of roses and carnations, so that there is no surplus. This is the last week for double violets; those that come in show poor quality. Lily of the valley, while not plentiful, finds ready sale. Bulbous stock, such as tulips and hyacinths, is a drug; daffodils and lilies sell well.

It seems remarkable the quantity of tulips and hyacinths left on the growers' hands after Easter; everything else sold all around them. O. G.

PORTLAND, ORE. Easter trade was the best ever. Stock was in full supply and prices ranged the same as last year's. Owing to the full supply in all lines the volume of business was much greater. There was nothing special on the list of novelties, but a good, healthy demand for everything offered, which cleaned up to the satisfaction of all. MARTIN & FORBES CO.

FIRMS WHO ARE BUILDING.

Items for insertion under this heading are respectfully solicited from our subscribers. They are published free of charge.

MISHAWAKA, IND. Joseph Null is building a greenhouse on his West Third street property.

NEW ALBANY, IND. Anders Rasmussen will add nine houses to his establishment, which now covers two acres.

LA PORTE, IND. The Kaber Company contemplates building a greenhouse, 25 x 100 feet. Plans are not yet completed.

HOOSICK FALLS, N. Y.—Arthur O. Curtice has purchased land at the corner of Wilder avenue and Snow street, on which he will build a conservatory and greenhouse.

RICHMOND, VA.—Ratcliffe & Turner are adding seven new greenhouses. When these are completed the firm will have about eight acres under glass. Some of the new structures will be devoted to orchids and palms.

ATLANTA, GA.—J. P. Matterson is adding two new greenhouses to his establishment at Ponce de Leon Park; when these houses are finished, he will have a total of 8,000 square feet of glass.

EAST TOLEDO, O.—Krueger Brothers & Company are building a greenhouse, 66 x 260 feet, for carnations. The Kruegers are erecting this building one mile east and one mile north of Walbridge. They have bought 26 acres here and expect to enlarge the plant as business demands.

LANCASTER, PA.—Rudolf Nagel has purchased a lot on S. West End avenue, on which he will build three greenhouses this year—one 18 x 70 feet, and two 18 x 100 feet. The material will be furnished by the Lord & Burnham Company, and the houses will be heated by a Kroeschell boiler. Mr. Nagel plans making additions to his plant. He obtained his practical experience as a florist and gardener in several continental establishments as well as in this country.

JANESVILLE, WIS.—Foundations for the boiler room having been laid and preparations having been completed for erecting the large greenhouses on the property at the corner of Jackman and East streets, Charles Wahler, who is to have charge of Dr. C. G. Dwight's enterprise, has arrived from Chicago to superintend the balance of the construction work. The graders have nearly finished their work on the four lots and the two large boilers have arrived. Mr. Wahler has had several years of experience in growing roses in one of the largest establishments in Chicago and will undoubtedly make a success of the local project.

CALGARY, ALBERTA.—Alderman Terrill has purchased from Colonel Walker three and one-half acres immediately opposite the new Cushing factory. It will be used for a big wholesale and retail greenhouse or greenhouses. Though the price is not stated it is understood that it is in the neighborhood of \$10,000, as the property is valued at around \$3,000 an acre in the neighborhood.

J. K. ALLEN
Wholesale
Commission Dealer in
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106 West 28th St., NEW YORK
Open at 6 a. m. every day
Telephone, 167 Madison Square
Consignments Solicited

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BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4638 Main
Consignments solicited. Out-of-town orders
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CUT FLOWER EXCHANGE
Sixth Ave. and 26th St.
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Open every Morning at Six o'clock for the
Sale of Cut Flowers.
Wall Space for advertising purposes to Rent.
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THE RELIABLE HOUSE
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GROWERS, ATTENTION!
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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Consignments of first class stock solicited.
Prompt returns.
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THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES. 1664-1665 MADISON SQUARE
ENOUGH SAID

ALFRED H. LANGJAHR
All choice Cut-Flowers in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
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Telephones: 4626-4627 Madison Square Established 1891

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AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS.
Telephones, 2200 and 2201 Madison Square
57 West 28th Street NEW YORK

Wholesale Prices of Cut Flowers, New York, May 6, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special	8.00 to 12.00	Carnations	Inf'r grades, all colors	.50 to .75	
	" extra	5.00 to 8.00		White	.75 to 1.00	
	" No. 1	4.00 to 5.00		STANDARD VARIETIES	Pink	.75 to 1.00
	" No 2	2.00 to 3.00		"	Red	.75 to 1.00
	" No 3	.50 to 1.00		"	Yel. & Var.	.75 to 1.00
	Bride, Maid fancy-special	4.00 to 5.00		"	White	1.00 to 2.00
	" extra	2.00 to 3.00		"	Pink	1.00 to 2.00
	" No. 1	1.00 to 2.00		"	Yel. & Var.	1.00 to 2.00
	" No. 2	.50 to 1.00		"	Red	1.00 to 2.00
	" No. 2	.50 to 1.00		"	Yel. & Var.	1.00 to 2.00
Golden Gate	1.00 to 6.00	(NOVELTIES	GARDENIAS, per doz.	1.00 to 3.00		
RICHMOND	1.00 to 10.00	LILAC, per bunch		.25 to .50		
Mme. Abel Chatenay	1.00 to 6.00	LILIES		1.50 to 3.00		
AOIANTUM	.50 to .75	LILY OF THE VALLEY		1.00 to 2.00		
CROWNEANUM	1.00 to 1.50	MIQNONETTE		1.00 to 2.00		
ASPARAGUS	25.00 to 50.00	NARCISSEUS (Paper White)		.50 to .75		
" Plumosus, bunches	15.00 to 25.00	Yellow		.50 to 1.00		
" Sprengerl, bunches	15.00 to 25.00	POETICUS		.50 to 1.00		
"	to	SMILAX		8.00 to 10.00		
CALLAS	3.00 to 4.00	ANTHRINUM (per bunch)		.75 to 1.00		
CATTLEYS	40.00 to 60.00	SWEET PEAS (per doz. bunches)		.25 to .75		
CYPRIPEDIUMS	5.00 to 8.00	TULIPS		1.00 to 2.00		
DAISIES	.75 to 1.00			to		
	to			to		

WALTER F. SHERIDAN
Wholesale Florist
Tel. 3532-3533 Mad. Sq. 39 WEST 28th ST., NEW YORK
ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Liberty,
Lilies, Lily of the Valley, Carnations
JOHN I. RAYNOR, 49 WEST 28th ST., NEW YORK

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TELEPHONE, 1462-1463 MADISON SQUARE
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WHOLESALE FLORISTS
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VIOLETS Carnations and Roses
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WHOLESALE FLORISTS
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and Cut Flower Exchange
Telephones: 798 & 799 Madison Square
Consignments Solicited

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Out of town orders promptly attended to
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Wholesale Florists
54 West 28th Street New York
Telephone: 3575 Madison Square
Consignments of Choice Cut Flowers Solicited
Prompt Payments. Give Us a Trial

Kalamazoo, Mich.
Business Bits.
Cold weather mingled with snow-storms has been the prevailing conditions since Easter, so that the business in bedding plants has not yet commenced; neither has planting out carnations begun. We always like to get the latter out of the way in good season, so as to be able to devote special attention to the bedding out plant trade, which for the past few years has become quite a feature here. This year the business will be doubly welcome, as prices will be maintained at last year's level, which cannot be said of cut flowers.

The call for cut flowers since Easter has been light and prices low, and nothing much is looked forward to till Decoration Day in this line, which will no doubt be about the wind-up with the exception of funeral work. Prospects for much improvement are altogether lacking, and I look for a long period of dull business this Summer, as there is certainly not much doing in any line of trade here and very little indication of immediate revival.

Van Bochove & Brother will remove their Third street plant over to the Rose-hill plant and are now commencing work on the job. Some others will rebuild and improve, but I have not heard of any extensions being contemplated, which is as well, as the past season's price list offers no encouragement in that direction.

Quite a number of new people are starting in at truck gardening this Spring, owing to slackness of work in other lines, and this helps the seedman's business here quite a little. S. B.

CLINTON, MASS.—Patrick Burke, employed by Edward W. Reed, florist, has been reappointed by the board of selectmen as forest warden.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia
 1608 to 1620 LUDLOW STREET
 Store Open 7:30 A. M. to 8 P. M.

BEST STOCK AT RIGHT PRICES
Gardenias, - \$3.00 per doz.
Cattleyas, - - 60c. each
Valley, \$3.00 & \$4.00 per 100
 Special Beauties and Fancy Richmond
 at best prices.

Carnations

The Largest Supply
 in Philadelphia. All
 the leading varieties at
 attractive prices.

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CARNATIONS A SPECIALTY CARNATIONS ROSES
 VIOLETS, VALLEY.
GEO. B. HART, Wholesale Florist, 24 Stone St., ROCHESTER, N. Y.
 Mr. Hart's Handy Handle.

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**For Roses,
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 And all kinds of
 Seasonable Flowers.
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 Dealers in Florists' Supplies and Wire Designs
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 Give us a trial. We can please you.



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 CUT FLOWER CO.**
 Wholesale Florists
 1517 Sansom Street
 Store opens at 7:30 A. M. Closes at 8 P. M.
grow MUSHROOMS
 If you do not know how, procure that simple
 but complete and practical book called "How
 to Grow Mushrooms." The price is ten cents
 and it can be secured from this office.
 Special rates will be made to the trade who
 wish to supply their customers.
THE FLORISTS' EXCHANGE
 2 Duane St., New York
THE AMERICAN CARNATION
 Price, \$2.50
 A. T. DE LA MARE PTH. & PUB. CO LTD

Boston.
 News Notes.
 The present season is remaining
 very much the same as last year—cool
 and late. As a result flowering trees
 and shrubs remain in bloom much longer
 and are much more handsome. At the
 present time the many varieties of
 prunus are just in their glory and for-
 sythias never were better. Magnolias,
 too, are grand and are much covered
 with flowers this season; one of the finest
 noticeable was a plant of the variety
 stellata on the grounds of Edward B.
 Wilder and planted by his father, the
 late Marshall P. Wilder, many years
 ago. The Winter effects are now show-
 ing upon evergreens and also in the her-
 baceous border, but on the whole less
 damage has been done than was at first
 anticipated.
 At the meeting of the Gardeners and
 Florists' Club on the 19th inst. F. E.
 Palmer will read a paper on the "Art
 of Selling." This is a very pertinent
 subject at present when one takes into
 consideration the amount of material
 thrown daily on the market, and if Mr.
 Palmer can help with some new ideas he
 will not only benefit the salesmen but
 also the growers, whose returns are much
 more slim than they ought to be.
 The Waban Rose Conservatories are
 building a 400-foot addition to their Am-
 erican Beauty houses. Lord & Burn-
 ham Company are the builders and have
 the iron framework almost up. The
 house will be one of the largest in the
 country, its size being 1100x12 feet.
 Charles Robinson of H. M. Robinson
 & Company has returned from a week's
 visit to friends in New York.
 Visitors this week included E. J. Fan-
 court of the Pennock-Meehan Company
 and G. C. Watson, Philadelphia.
 George Wood of the sales department
 of the Waban Rose Conservatories has
 been on the sick list for the past week,
 his place being taken by Daniel Dwyer.
 Welch Brothers are handling quanti-
 ties of the Bon Silene rose, which, though
 old-fashioned, is still a favorite for many
 purposes.
 J. W. DUNCAN.

Wholesale Prices of Cut Flowers—Per 100

Boston May 4, 1908	Buffalo May 5, 1908	Detroit May 3, 1908	Cincinnati May 4, 1908	Baltimore May 5, 1908	NAMES AND VARIETIES	Milwaukee May 4, 1908	Phil'delphia May 5, 1908	Pittsburg May 4, 1908	St. Louis May 4, 1908
15.00 to 25.00	30.00 to 35.00	20.00 to 25.00	to 30.00	to 30.00	A. BEAUTY, fancy—special	to 25.00	20.00 to 25.00	20.00 to 25.00	15.00 to 25.00
10.00 to 15.00	20.00 to 30.00	18.00 to 20.00	to 20.00	to 20.00	" extra	12.00 to 15.00	15.00 to 20.00	12.50 to 15.00	10.00 to 12.50
4.00 to 10.00	8.00 to 10.00	15.00 to 18.00	to 10.00	to 10.00	" No. 1	6.00 to 8.00	10.00 to 15.00	6.00 to 8.00	6.00 to 8.00
1.00 to 4.00	3.00 to 8.00	3.00 to 6.00	to 5.00	to 5.00	" Calla and ordinary ...	2.00 to 4.00	6.00 to 8.00	3.00 to 4.00	3.00 to 5.00
6.00 to 8.00	8.00 to 10.00	to 5.00	to 5.00	to 5.00	BRIDE, "MAID, fancy—special	to 5.00	6.00 to 8.00	to 6.00	5.00 to 6.00
2.00 to 6.00	to 8.00	6.00 to 8.00	to 4.00	to 4.00	" extra	to 4.00	4.00 to 8.00	to 6.00	3.00 to 4.00
1.00 to 2.00	to 6.00	4.00 to 6.00	2.00 to 3.00	2.00 to 3.00	" No. 1	to 3.00	4.00 to 6.00	to 3.00	1.00 to 2.00
to 3.00	to 2.00	2.00 to 4.00	to 2.00	to 2.00	" No. 2	to 2.00	3.00 to 4.00	to 2.00	to 4.00
to 3.00	to 6.00	to 4.00	to 4.00	to 4.00	GOLDEN GATE	4.00 to 6.00	4.00 to 8.00	to 2.00	to 4.00
to 3.00	to 7.00	3.00 to 8.00	to 6.00	to 6.00	K. A. VICTORIA	4.00 to 6.00	3.00 to 8.00	to 2.00	to 6.00
to 4.00	to 7.00	3.00 to 8.00	to 6.00	to 6.00	LIBERTY	2.00 to 4.00	to 15.00	to 2.00	to 4.00
to 60.00	to 75.00	50.00 to 75.00	to 1.00	to 1.00	ORCHIDS—Cattleyas	to 50.00	to 75.00	to 1.00	to 1.00
to 1.50	to 2.00	to 2.00	to 2.50	to 2.50	interior grades, all colors ...	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	.75 to 1.00
1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	2.00 to 2.50	2.00 to 2.50	Standard	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	.75 to 1.00
1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	2.00 to 2.50	2.00 to 2.50	Varieties	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	.75 to 1.00
1.00 to 2.00	to 3.00	to 3.00	to 3.00	to 3.00	White	1.00 to 1.50	to 3.00	to 2.00	1.50 to 2.00
2.50 to 3.00	2.00 to 3.00	1.50 to 2.00	to 3.00	to 3.00	Yellow and var.	2.00 to 3.00	2.00 to 3.00	to 2.00	1.50 to 2.00
2.50 to 3.00	2.00 to 3.00	1.50 to 2.00	to 3.00	to 3.00	White	2.00 to 3.00	2.00 to 3.00	to 2.00	1.50 to 2.00
2.50 to 3.00	2.00 to 3.00	1.50 to 2.00	to 3.00	to 3.00	Pink	2.00 to 3.00	2.00 to 3.00	to 2.00	1.50 to 2.00
to 3.00	to 3.00	to 3.00	to 3.00	to 3.00	Red	2.00 to 3.00	2.00 to 3.00	to 2.00	1.50 to 2.00
to 1.00	to 1.50	to 1.50	to 1.00	to 1.00	Yellow and var.	to 1.00	to 1.50	to 1.25	to 1.00
to 50.00	to 60.00	to 50.00	to 50.00	to 50.00	Novelties	to 30.00	to 50.00	to 50.00	to 50.00
6.00 to 8.00	8.00 to 10.00	12.50 to 15.00	to 10.00	to 10.00	ADIANTUM	20.00 to 30.00	45.00 to 60.00	to 60.00	to 50.00
to 1.00	to 2.00	to 2.00	to 1.00	to 1.00	ASPARAGUS, Plum and Tan	20.00 to 30.00	45.00 to 60.00	to 50.00	25.00 to 50.00
6.00 to 8.00	8.00 to 10.00	12.50 to 15.00	to 10.00	to 10.00	" Sprengeri, bunches.	8.00 to 10.00	8.00 to 15.00	to 6.00	to 10.50
to 1.00	to 2.00	to 2.00	to 1.00	to 1.00	CALLAS	to 4.00	to 1.50	to 1.00	to 1.50
to 1.00	to 2.00	to 2.00	to 1.00	to 1.00	CHRYSAANTHEMUMS	to 8.00	to 10.00	to 8.00	to 10.00
to 1.00	to 2.00	to 2.00	to 1.00	to 1.00	DAISIES	to 8.00	to 10.00	to 8.00	to 10.00
to 1.00	to 2.00	to 2.00	to 1.00	to 1.00	GLADIOLUS	to 3.00	to 4.00	to 3.00	to 4.00
to 1.00	to 2.00	to 2.00	to 1.00	to 1.00	LILIES	to 3.00	to 4.00	to 3.00	to 4.00
to 1.00	to 2.00	to 2.00	to 1.00	to 1.00	LILY OF THE VALLEY	to 3.00	to 4.00	to 3.00	to 4.00
to 1.00	to 2.00	to 2.00	to 1.00	to 1.00	MIQUONETTE	to 15.00	to 20.00	to 15.00	to 20.00
to 1.00	to 2.00	to 2.00	to 1.00	to 1.00	SMILAX	to 15.00	to 20.00	to 15.00	to 20.00
to 1.00	to 2.00	to 2.00	to 1.00	to 1.00	VIOLETS	to 15.00	to 20.00	to 15.00	to 20.00

Cleveland.

News Notes.
 Last week Monday the father
 of Williams Brothers, Lorain, O., was
 buried. The services and interment
 were under the auspices of the local
 G. A. R.

The Berno Floral Company, Mans-
 field, O., has plans drawn for an of-
 fice salesroom and stockroom, to face
 on Hedges street, close to the green-
 houses.
 W. E. Hall, Clyde, O., has also built
 offices and warehouses on his place.
 Mr. Hall has some of the finest carnations
 seen about this part of the State;
 his seedlings in particular are splen-
 did.

At present the hanging basket is
 taking up our attention. The prob-
 lem of getting fresh sheet moss and
 getting it at a reasonable price is ab-
 sorbing a great deal of our thinking
 time. Of course it is getting scarce,
 but good moss should be obtainable to
 the user at \$2 the bag. If it keeps on
 going higher each year, it will force
 growers to use a substitute and per-
 haps that would be better, anyway.
 O. G.

BOSTON, MASS.

WELCH BROS.
 PROPRIETORS
CITY HALL CUT FLOWER MARKET
 226 Devonshire Street.
 Carnots
 Orchids
 Valley
 Carnations
 Violets

Pittsburg Cut Flower Co.
 LIMITED
WHOLESALE FLORISTS
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EDWARD REID
 Wholesale Florist
 1526 Ranstead St., PHILADELPHIA
 Bet. Market and Chestnut Streets.
CHOICEST STOCK ALWAYS ON HAND
 Telephone: 1-12-26-A.

PEORIA, ILL.—For the first time in
 nine years the venerable James Cole,
 aged 87, pioneer florist of the State of
 Illinois, visited the business section of
 Peoria, Friday afternoon, April 24. The
 occasion for the journey from his resi-
 dence, 1621 Perry avenue, was the
 Shriner parade, which was of absorb-
 ing interest to Mr. Cole, owing to the
 fact that James Nelson Cole, Jr., age
 22, conceded to be the youngest 32d de-
 gree Mason in the world, was in the
 parade as a member of the Mohammed
 Temple patrol. Mr. Cole viewed the
 parade from the corner of Main and
 Madison streets and exhibited the liveli-
 est interest throughout.

ESTABLISHED 1894

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 DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS
 Inside Chicago Market Quotations
 A complete line of Florists' Supplies, catalogue free. Manufacturers of Wire Designs
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WHOLESALE CUT FLOWERS
 and FLORISTS' SUPPLIES
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 Milwaukee, Wis.

"The Busiest House in Chicago"
J. B. DEAMUD CO.
 Wholesale Florists
 51 Wabash Ave.

WIETOR BROS.
 Wholesale Growers of
CUT FLOWERS
 All telegraph and telephone orders given
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 51 Wabash Ave., CHICAGO

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Poehlmann Bros. Co.
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 All telegraph and telephone orders
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 Greenhouses: 35-37 Randolph St.,
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 Send us your Orders for delivery in the
 Northwest, which will have our
 best attention.
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All Leading Varieties of **Roses and Carnations**
PETER REINBERG
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 51 Wabash Ave., CHICAGO, ILL.
 Headquarters for American Beauty Rose

VAUGHAN & SPERRY
 Wholesale Florists
 Valley, Carnations and Roses
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GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

PLANT CULTURE
 PRICE \$1.00
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J. A. BUDLONG
 37-39 Randolph Street, CHICAGO.
 Wholesale GROWER of **CUT FLOWERS**
 Roses and Carnations A Specialty

Wholesale Prices of Cut Flowers, Chicago, May 6th, 1908
 Prices quoted are by the hundred unless otherwise noted

ROSES		CARNATIONS	
American Beauty		STANDARD VARIETIES	
36-inch stems.....per doz.	2.00 to 3.00	White.....	1.00 to 2.00
30-inch stems.....	1.50 to 2.00	Pink.....	1.00 to 2.00
24-inch stems.....	1.00 to 1.50	Red.....	1.00 to 2.00
20-inch stems.....	..... to 1.00	Yellow & var.....	1.00 to 2.00
18-inch stems.....	..... to .75	*FANCY	White.....
12-inch stems.....	..... to .50	The highest grades of Sta'd varieties.	Pink.....
8-inch stems and shorts "	..... to .25		Red.....
Bride Maid, fancy special...	5.00 to 6.00		Yellow & var.....
" extra.....	..... to 4.00	NOVELTIES	..... to 4.00
" No. 1.....	2.00 to 3.00	LILAC, per bunch.....	..... to 4.00
" No. 2.....	.50 to 1.00	LILIES, Harrisli.....	2.00 to 4.00
Golden Gate.....	3.00 to 6.00	CALLAS.....per doz....	.50 to 1.00
Uncle John.....	3.00 to 6.00	SMILAX.....	10.00 to 12.00
Liberty.....	3.00 to 6.00	LILY OF THE VALLEY.....	1.00 to 4.00
Richmond.....	2.00 to 6.00	HAROT FERNS per 1000.....	..... to 2.00
Killarney.....	2.00 to 6.00	GALAX (green).....	..... to 1.00
" extra.....	8.00 to 10.00	" (bronze).....	..... to 1.00
Perle.....	2.00 to 6.00	MIGNONETTE.....	1.00 to 3.00
Chatenay.....	3.00 to 6.00	VIOLETS, double New York..	.20 to .30
K. A. Victoria.....	3.00 to 6.00	" local double.....	.30 to .40
Mrs. Marshall Field.....	..... to	" " single.....	..... to .40
ADIANTUM.....	.75 to 1.00	NARCISSUS.....	.50 to 1.00
ASPARAGUS, Plum. & Ten.....	.35 to .50	ROMANS.....	.50 to 1.00
" Sprenger, bunches.....	.35 to .50	SWEET PEAS.....	.30 to .75
Orchids—Cattleyas.....	40.00 to 50.00	TULIPS.....	.35 to 1.00
CYPRIPEDIUM.....	..... to .....	.....	..... to
.....	..... to .....	.....	..... to
.....	..... to .....	.....	..... to

Chicago.
 News of the Week.
 One of the large department stores had a big advertised sale of 25,000 cut roses last Saturday. The stock ran from flowers with 8 to 15 inch stems and was speedily disposed of at 12 cents per dozen. During the sale the crowd was so great that approach to the counter was quite difficult.

At a May tea party given at the Old Ladies' Home last Saturday each of the inmates was presented with a blooming plant, and cut flowers in liberal quantities.

The Tribune prize list in the garden and window box competition has been augmented by prizes of \$150 for the best garden and \$50 for the best window box donated by the Pulverized Manure Company of Chicago. The Horticultural Society of Chicago will also award a beautifully engraved medal for the best garden by a boy or girl 12 to 18 years old.

Jegen, the florist at 27 Madison street, is moving to new quarters at 113 Dearborn street.

Miss Tonner, who has charge of the florists' supply department of the A. L. Randall Company, has returned from a well earned vacation of two weeks.

The E. F. Winterston Company received last week an importation of two carloads of bay trees in standards and pyramids which opened up in splendid shape, the quality of the stock being particularly fine.

CHAS. W. MCKELLAR
ORCHIDS
 FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS
 51 Wabash Ave., Chicago

A. L. RANDALL CO.
 Western Headquarters for
 Up-to-Date Florists' Supplies
 Write for Catalogue
 Nos. 19-21 RANDOLPH ST., CHICAGO

J. A. BUDLONG
 37-39 Randolph Street, CHICAGO.
 Wholesale GROWER of **CUT FLOWERS**
 Roses and Carnations A Specialty

Wholesale Prices of Cut Flowers, Chicago, May 6th, 1908
 Prices quoted are by the hundred unless otherwise noted

ROSES		CARNATIONS	
American Beauty		STANDARD VARIETIES	
36-inch stems.....per doz.	2.00 to 3.00	White.....	1.00 to 2.00
30-inch stems.....	1.50 to 2.00	Pink.....	1.00 to 2.00
24-inch stems.....	1.00 to 1.50	Red.....	1.00 to 2.00
20-inch stems.....	..... to 1.00	Yellow & var.....	1.00 to 2.00
18-inch stems.....	..... to .75	*FANCY	White.....
12-inch stems.....	..... to .50	The highest grades of Sta'd varieties.	Pink.....
8-inch stems and shorts "	..... to .25		Red.....
Bride Maid, fancy special...	5.00 to 6.00		Yellow & var.....
" extra.....	..... to 4.00	NOVELTIES	..... to 4.00
" No. 1.....	2.00 to 3.00	LILAC, per bunch.....	..... to 4.00
" No. 2.....	.50 to 1.00	LILIES, Harrisli.....	2.00 to 4.00
Golden Gate.....	3.00 to 6.00	CALLAS.....per doz....	.50 to 1.00
Uncle John.....	3.00 to 6.00	SMILAX.....	10.00 to 12.00
Liberty.....	3.00 to 6.00	LILY OF THE VALLEY.....	1.00 to 4.00
Richmond.....	2.00 to 6.00	HAROT FERNS per 1000.....	..... to 2.00
Killarney.....	2.00 to 6.00	GALAX (green).....	..... to 1.00
" extra.....	8.00 to 10.00	" (bronze).....	..... to 1.00
Perle.....	2.00 to 6.00	MIGNONETTE.....	1.00 to 3.00
Chatenay.....	3.00 to 6.00	VIOLETS, double New York..	.20 to .30
K. A. Victoria.....	3.00 to 6.00	" local double.....	.30 to .40
Mrs. Marshall Field.....	..... to	" " single.....	..... to .40
ADIANTUM.....	.75 to 1.00	NARCISSUS.....	.50 to 1.00
ASPARAGUS, Plum. & Ten.....	.35 to .50	ROMANS.....	.50 to 1.00
" Sprenger, bunches.....	.35 to .50	SWEET PEAS.....	.30 to .75
Orchids—Cattleyas.....	40.00 to 50.00	TULIPS.....	.35 to 1.00
CYPRIPEDIUM.....	..... to .....	.....	..... to
.....	..... to .....	.....	..... to
.....	..... to .....	.....	..... to

arranging its store floor, the new plan locating the shipping department at the rear.

Vaughan & Sperry, at their quarters in the Flower Market, are receiving large shipments of peonies daily.

W. W. Seekins of Duluth, Minn., was a visitor this week. Mr. Seekins reports a very large Easter business at his new location in that city. W. Hagenann, New York, was also here.

New York.
The Week's News.
 The New York Florists' Club will meet at its rooms in the Grand Opera House Building, corner of Twenty-third street and Eighth avenue, on Monday evening next, May 11.

At the stockholders' meeting of the Cut Flower Exchange held last Saturday, John Donaldson, the well-known grower of Elmhurst, L. I., was elected president, Phil Einsman, treasurer, and Victor Dorval was re-elected secretary. The new directors elected were W. H. Siebrecht, Charles Beckman, John Donaldson and John Leach.

The bulb display in Prospect Park is well worth a visit from any one who appreciates the beauties of these Spring flowers. We do not remember seeing such a gorgeous display anywhere as is witnessed here. The blending of the different colors has been most carefully done, and the season seems to have been particularly favorable for bringing out all of the flowers simultaneously, so that the full effect of the designs is brought out to perfection. The herbaceous garden in this park is just beginning to take on a beautiful aspect. Old-fashioned flowers, such as Phlox subulata, perennial candytuft, Alyssum saxatile, Dicentra spectabilis, violets and double daisies, are showing their charming flowers just

now. Last July the park authorities installed three Goldwell motor lawn mowers (Goldwell Lawn Mower Company, Newburgh, N. Y.), and these have proved highly satisfactory, not only in keeping the lawns in better shape, but in doing away with the number of horses that had to be kept for lawn mowing purposes. These lawn mowers weigh 2,500 pounds each, and are easily operated by one person, though, of course, he has to be somewhat of a mechanic, and gasoline is used for fuel. The weight of the machine is having a splendid effect in keeping the lawns well rolled.

The many friends of Alex. McConnell, the Fifth avenue florist, will be glad to learn that he is recovering from the illness that has kept him confined to his room since Easter Sunday.

Charles Schenck, of the firm of Traendly & Schenck, is receiving the congratulations of his friends over an interesting visitor that arrived at his home Sunday morning. It is a daughter, and mother and baby are getting along very nicely.

Frank S. Hicks & Company have moved from 52 West Twenty-eighth street to their new home at 39 West Twenty-eighth street, parlor floor.

Because he is fearful that his fingers may get pricked with wire, Mr. Paderewski, the great pianist, will not receive any flowers that are offered him when on the stage during his recitals. It would seem now that a wireless bouquet is in order.

Charles Weeber, retired seedsman, formerly of the firm of Weeber & Don, will leave on July 15 for a six weeks' sojourn in Europe.

F. W. O. Schmitz has been made administrator of the estate, and guardian of the children, of the late Ferdinand Bendt, florist, Roseville, N. J., who died of typhoid fever, caused by eating infected oysters. Mr. Bendt owned in the neighborhood of \$200,000 worth of real estate, and no will could be found. Henry Dettinger, the nearest relative to the deceased, renounced his right to administer the estate; hence the appointment of Mr. Schmitz.

George Williams, a landscape gardener, formerly employed on Mr. Kernochan's estate, The Meadows, at Hempstead, L. I., committed suicide last week by hanging himself with a rope fastened to a beam at his residence, 152 Henry street, Hempstead. He leaves a widow and several grown-up children. Despondency or temporary aberration of the mind is believed to have led him to commit the rash act.

John Gompers, thirty years old, residing at 247 Deboe place, Glendale, L. I., attempted suicide by drinking carbolic acid while in Lutheran Cemetery one day last week. He was discovered by an employee of the cemetery, who hurriedly summoned an ambulance, when Gompers was removed to the German Hospital and treated. It is expected that he will recover. Gompers formerly had a florist stand on Metropolitan avenue, just outside the cemetery, and he was believed to be in comfortable circumstances.

A. T. Boddington, seedsman, reports a busy season, business being fully one-third better than last year's and far beyond expectations. Harry A. Bunyard will go South shortly for a much needed rest. Word has been received in England that Mr. Bunyard's brother, Stewart, has been killed in a railroad wreck in Australia.

The American Nursery Company reports a heavy trade this season; the orders thus far being largely in excess of the combined business of the separate concerns at this time last year. The company's large wholesale business including the F. & P. Nurseries department, although constantly growing does not show so large an increase; but the orders of all the departments for public grounds and private estates have far exceeded expectations and seem to fully justify the claims made by the company, in the public announcement soon after the organization early in the year.

Walter Mott has severed his connection with A. T. Boddington, and is now with the Vness Gardens Company, Newburgh, N. Y.

Wm. Elliott & Sons, seedsman and plant auctioneers, are very much pleased with their change of location from Fulton street to 42 Vesey street.

C. A. Mason, florist, Jacksonville, Fla., was a visitor this week.

BUY DIRECT—NEW CROP of FERNS

Caldwell The Woodsman Decorating Co., Evergreen, Alabama

DAGGER FERNS, \$1.00 per 1000
FANCY " 1.25 "

Henry M. Robinson & Co.

Wholesale Commission Florists

Hardy Cut Evergreens and Florists' Supplies

BRONZE GALAX, best quality \$8.50 case of 10,000.
GREEN GALAX, best quality \$7.50 case of 10,000.
DAGGER and **FANCY FERNS**, \$1.50 per 1,000.

Laurel Feslooning, Boxwood, Sphagnum and Green Moss, Southern Wild Smilax Leucothoe Sprays, etc.

5 Province St. and 9 Chapman Place, Boston, Mass.



THE BEST WAY to collect an account is to place it with the **National Florists' Board of Trade**
 56 Pine St., New York
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

WIRED TOOTHPICKS

10,000, \$1.75; 50,000 \$7.50
 MANUFACTURED BY
W. J. COWEE, BERLIN, N. Y.
 Samples free. For sale by dealers

SOUTHERN WILD SMILAX
BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS
E. A. BEAVEN, Evergreen, Ala.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.
McCray Refrigerator Company
 762 Mill St., Kendallville, Ind.
 Mention the Exchange when you write.

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.
EDWARD MacMULKIN,
 194 BOYLSTON ST., BOSTON, MASS.
SHEEP MANURE
 Pulverized. Free from all Adulteration
 In Bag, \$18.00 per Ton.
ROBERT SIMPSON,
 CLIFTON, N. J.

HAIL NEWS.

DES MOINES, IA.—A hailstorm passed over this locality on April 22 last, damaging the Trillium greenhouses to the extent of \$500. The Marshall greenhouses also suffered to a considerable extent.
 A sudden, high wind saved the glass in the greenhouses of the Vaughan Seed Store at Thirty-fifth and Ingersoll. Charles McAniff, the manager, was working on a funeral design about 12 o'clock when it began hailing. He roused the other employes to help him save the flowers, for it was expected the roofs would be broken by the large stones. The wind died down so quickly that they went outside to see what was doing and witnessed one of the strangest weather phenomena ever seen in Des Moines. They saw a large greenish-black cloud approaching with the speed of a cyclone and hurried inside for shelter. The blast shook the building when it struck and then the wind ceased again. The cloud was filled with ice and had it not been for the wind the hail would have done some very destructive work.
LOCKPORT, N. Y.—Business has been very slow since Easter with nothing but funeral work and very little of that.
F. G. Lewis began planting carnations out in the field April 29.
D. T. McCarty & Sons are building one new house.
Rudolph Fritel is building two houses, both to be used for growing early vegetable plants in the Spring. L.

Special Offer

Fine selected **FERNS**, Fancy or Dagger, \$1.25 per 1000. Good Ferns, \$1.00 per 1000. **Bronze Galax**, 10,000 lots, \$5.00. **Green Galax**, \$1.00 per 1000; 10,000 lots, \$7.50. **Wild Smilax**, 50 lb. cases, \$6.00. **Leucothoe Sprays**, Bronze or Green, 40c. per 100. **Ground Pine**, 5c. per lb. or 5c. per yd. Beautiful **ARBITUS**, or **MAXFLOWER**, 12c. per bunch; fine flowers and nice plants. Telegraph Office: New Salem, Mass. L. D. Phone Connecticuta.

CROWL FERN CO., MILLINGTON, MASS.

HARDY CUT FERNS

FANCY and **DAGGER**. Extra fine, \$1.75 per 1000. **BRONZE** and **GREEN GALAX**, \$1.25 per 1000, \$7.50 per 10,000. **LEUCOTHOE SPRAYS**, \$1.00 per 100; \$7.50 per 1000. **SPHAGNUM MOSS**, extra large bales, per bale, \$1.25. **BOXWOOD**, per bunch, 35c.; 50 lbs., \$7.50. **FANCY** and **DAGGER FERN** our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.
MICHIGAN CUT FLOWER EXCHANGE, Inc.
 WHOLESALE COMMISSION FLORISTS
 38-40 Broadway, DETROIT, MICH.
 All Phone Connections

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122 W. 25th Street NEW YORK
 Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and Decorative Greenery
 New York Agents for Caldwell's, Monroe, Ala., Parlor Brand Smilax.

Cemetery Bouquet Holders

Makers of the Largest Variety both Iron and Glass also
Jones' Celebrated Berlin Reservoir Vases
 The only pattern that gives room for plants as well as water.
 New Illustrated Poster List also Trade Prices sent on application
The M. D. Jones Co.
 71 Portland St., Boston, Mass.

PREPARED PALMS AND PALM LEAVES

In all varieties
 Also Moss, Fibre, Needle Pines, Pine Cones, Uva Grasses, etc.
 Buy from **HEADQUARTERS Florida Natural Products Co.** Fernandina, Fla.
PLANT CULTURE
 PRICE \$1.00
A. T. DE LA MARE PTG. & PUB. CO.,
 2 Duane Street, New York

THE WHILLDIN POTTERY COMPANY

THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
 PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

DREER'S Florist Specialties

New Brand "New Style" Hose "RIVERTON"
 This hose is length up to 100 ft. without a joint or connection.
 The HOSE for the FLORIST
 HENRY A. DREER, PHILADELPHIA, PA.

Tobacco Paper "NICO-FUME" LIQUID

is the **STRONGEST, BEST PACKED, EASIEST APPLIED**

24 sheets . . .	\$0.75
144 sheets . . .	3.50
288 sheets . . .	6.50
1728 sheets . . .	35.10

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 By far the CHEAPEST.
 Just Note Prices!
 Pint \$1.50
 1/2 Gallon 5.50
 Gallon 10.50
 5 Gallons 47.25

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We can deliver your shipments on Steam and Hot Water Boilers, Pipe, Fittings, etc., as follows:

- Points within ten miles of New York, same day that we receive order.
- Extreme points of Long Island, same day by express—eighteen hours by freight.
- Within Borough of Brooklyn, same day, or can be called for from stock at our factory.

The above is of value to you. Prompt shipments for your Spring building as well as Summer but means much more in Winter when you may need repairs or a special fitting in a break down. In emergency we can have our mechanics on any special work within from one to four hours' time at almost any point in Long Island. Cut this out and hang it up as a reminder.

JOHN A. SCOLLAY Manufacturer Steam and Hot Water Boilers **74 & 76 Myrtle Ave., Brooklyn, N. Y.**

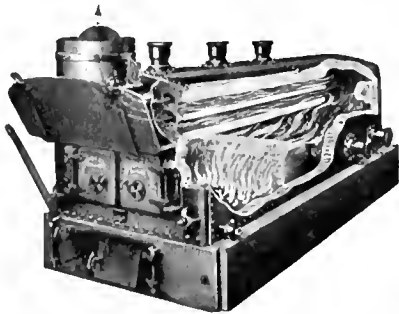
THE KROESCHELL BOILER

IS THE ONLY PERFECT HOT WATER BOILER

Made in 15 sizes, heating from the smallest greenhouse up to 50,000 square feet of glass to 60° at 15° below zero.

Prices and Catalogues on application.

KROESCHELL BROS CO.,
33 ERIE STREET, CHICAGO



THE HOLLY STANDARD ELECTRIC CIRCULATOR

Peters & Son of Hempstead, L. I. say "Your circulator, new model installed for us last December gives perfect satisfaction. It heated without half trying, our three large greenhouses. We figure that in one more season it will nearly pay for itself in saving of coal. No fear of frosts now!"

No greenhouse is perfect without it. No greenhouse is out-of-date with it.

Send for descriptive catalog to

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headquarters for Greenhouse and Holed Sizes

Write us for prices

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The Best **BUG KILLER** AND **BLOOM SAVER**

For PROOF Write to **P. R. PALETHORPE CO.**
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Tobakine Products

"THEY KILL BUGS"

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is a profitable and interesting booklet.

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need particular care. Half the danger of loss is overcome where **SYRACUSE RED POTS** are used. Get catalog.

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GEORGE PEARCE



The well-known Greenhouse builder at Orange, N. J. Before giving out your contract get quotes from me. I can save you money. Iron or wood construction Hot Red Sash.

TELEPHONE, 663L—Orange.

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given

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From 1 in. up to 12 in., for sale at low rates

We can supply you with any amount from 100 feet and up.

As we are large dealers in pipes, and do our own threading, we can sell same cheaper than any other dealer.

Our price card will be sent anywhere upon request, send for one.

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Low Boilers

4 ft. high, lower if you want it. Designed and specially adapted for greenhouse service. Write for prices and booklet. **FREE HOSE TRIAL, PIPE FITTINGS, VALVES, etc.**

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Standard Flower Pots

Packed in small crates easy to handle.		Price per crate.	
1600 2 1/2 in. pots in crate, \$4.00	1207 1 1/2 in. pots in crate, \$4.20		
1509 2 1/4 " " " 5.25	608 " " " 3.00		
1508 2 3/4 " " " 6.00	48 9 in. pots in crate, \$3.60		
1507 3 " " " 5.50	48 10 " " " 4.80		
1506 4 " " " 5.50	24 11 " " " 3.80		
1505 " " " " 4.50	24 12 " " " 4.80		
1446 " " " " 3.16	12 14 " " " 4.80		
	6 16 " " " 4.50		

Send pans, same price as pots. Send for price list of cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Hilfinger Bros., Pottery, Fort Edward, N. Y.
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Mr. William Rhodes of Leesburg, Pa., wrote for our catalog of Hot Bed Sash and Frames. At the bottom of the letter was this P. S.

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Now why is it a "sizzler"?—why a boiler of record breaking economy? The new boiler catalog tells. Not in the usual dry way of catalog, but in regular showing up of point after point, exactly as we would do in a talk, if you had dropped in at the office. It's a mighty valuable catalog to have. Send for it.

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COMPLETELY EQUIPPED WITH UP-TO-DATE MACHINERY FOR THE MAKING OF MATERIAL FOR

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FROM A FULL SUPPLY OF THOROUGHLY SEASONED LUMBER
Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work—large or small.
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FOLEY VENTILATING APPARATUS IS THE BEST
IS SIMPLE IN ERECTING. IS EASIEST OF OPERATION. IT WILL LAST A LIFETIME. ITS PRICE IS THE LOWEST.
Will ventilate any size house. Prices and circulars on application.

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MONEY SAVED—and that is what counts
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Greenhouse Material

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Hot Bed Sash

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STEEL CHANNEL GUTTERS SOLELY PERFECT ANGLE PURLINS INCLUDING FITTINGS 8 CENTS PER FT.

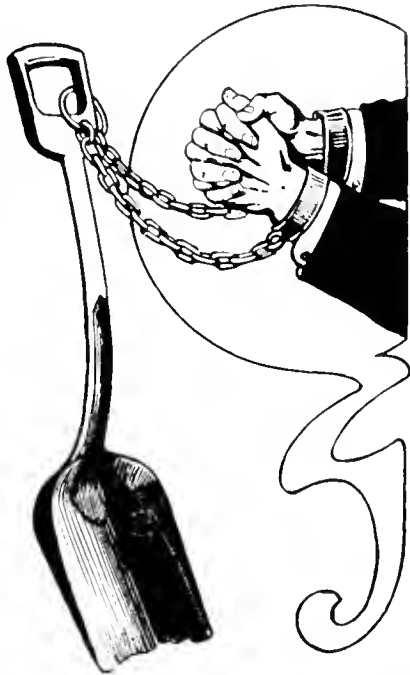
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If so, break your bondage by using **Spencer Heater**

You have to shovel coal once a day in mild weather, twice in severe. Will tell you all about it, if you send us a postal, and do not forget to ask for our greenhouse catalog, "The House of Greatest Sunlight."

WEATHERED COMPANY
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MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 West Broadway
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

GREENHOUSE GLASS
ALL SIZES
16x24 A. & B. Double a Specialty
C. S. WEBER & CO.,
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Holds Glass Firmly
See the Point **PEERLESS**
FULL SIZE No. 2
Glazing Points are the best. Six rights or lefts. Box of 1000 points 25 cts. postpaid.
HENRY A. DREER,
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Evans Improved Challenge
Roller-bearing, self-oiling device, automatic stop, solid link chain make the **IMPROVED CHALLENGE** the most perfect apparatus in the market.
Write for catalogue and prices before placing your orders elsewhere.
QUAKER CITY MACHINE CO.
RICHMOND, IND.

Talks on Greenhouse Material

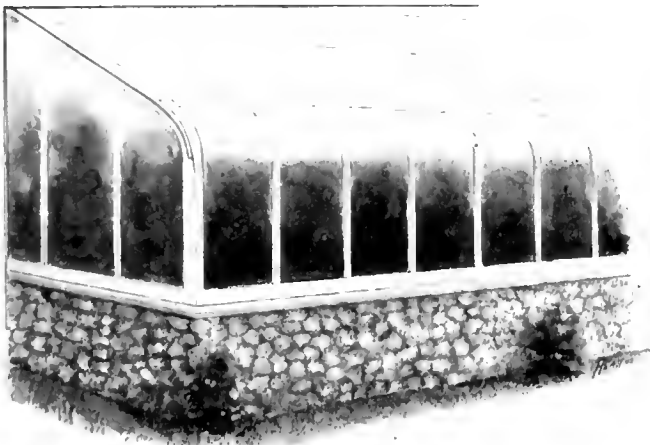
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PROBABLY there is no one thing so important, outside of having a first class grower, than the construction of your greenhouse. It is a fact that the greenhouse and its construction have a great deal to do with the class of stock you turn out, and yet there are a lot of you fellows who go on building without any regard to what the house is to be used for. It is essential that you have your houses built along up-to-date lines if you expect to grow the best class of stock. If you want to grow roses don't build a house for lettuce. The rose house and the lettuce house are not built the same and if you want the best results you want to build your houses suited to your purpose. Don't go on building 10 ft. houses because you started that way twenty years ago, unless you don't care about making money. We'll be glad to have you write us whenever you want to build and will talk the matter over with you.

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By Peter Blasdel. Price, postpaid, \$2.50
A. T. DE LA MARE PTG. & PUB. CO., LTD.
2 to 8 Duane Street, New York.

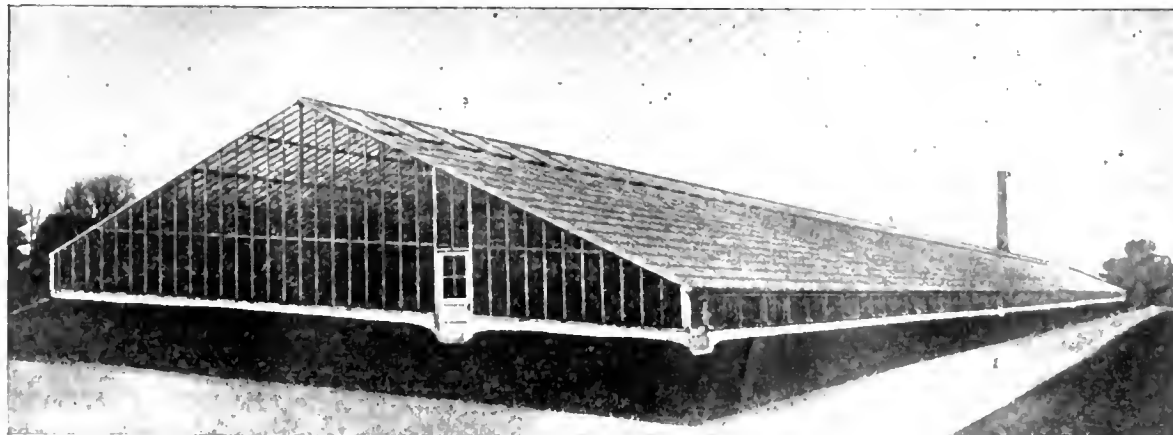


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Why My New Curved Iceless Eave is Far Superior to Anything on the Market Today

- 1st. No sash bars encased in iron, thereby eliminating all danger of bars decaying.
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- 3rd. Roof bars with drip grooves, which act as conductors to carry away the condensation: **Result**, the driest roof ever used for greenhouse purposes.
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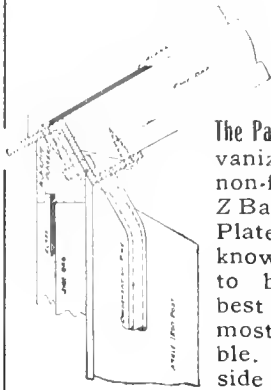
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S	M	T	W	T	F	S
3	4	5	6	7	1	2
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24 31	25	26	27	28	29	30

TAKEN FROM OUR 1908 CALENDAR

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VOL. XXV. NO. 20

NEW YORK AND CHICAGO, MAY 16, 1908

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Seed Trade Notes.

During the past week the seed business in all its branches has shown a most radical slackening in the demand, much more so than could be reasonably expected so early in May; but when we take into consideration the very unfavorable weather conditions, for a large store trade, that have prevailed continuously since the closing days of April, it is really a good showing. The great totals of May cash-counter-trade sales, have been made in seasons when warm and pleasant weather continually marked the month; nevertheless, we shall no doubt this season in the end realize all our profits from the small garden trade, but this branch of the business will be very much longer continued than is usual, and it will be well into June before these seed sales are finally over this year.

Since the middle of April the many seed stock shortages that were sure to develop, as the end of the season approached, have, to a far greater extent than many of us have paused to realize, curtailed our sales. Early in the year our customers were fully informed regarding the expected insufficiency of such seeds as sweet corn, Lima beans, onion, onion sets, and many others, to meet the expected demands, but as always has been, and probably always will be the case, planters as a rule neglected supplying themselves with the needed seeds, until the ground was ready to receive them, and then at the eleventh hour found that there was practically nothing that they wanted and needed left in the seed line.

One of the best patronized departments of the business this season has been that devoted to farm seeds. Everything in this line has practically been sold out completely. Seed potatoes have not in years had better sales, or at such consistently steady and lucrative prices. The same sold-out condition applies to all varieties of field corn, but the demand for field corn has been very much more urgent and insistent, as, in the case of seed potatoes, whenever the would-be purchaser finds the needed stocks unobtainable from his seedman, he simply falls back upon his own bins or his grocer for the planting tubers required. Not so with field corn: for it is a very curious fact that a planter seldom plants the corn he is feeding, unless he has the season before saved some especially for seed purposes from his own raising. All seed grains have also been far short of the demand, especially Spring wheat, and Spring rye. Owing to the almost prohibitive prices of clover seeds and timothy grass, seeding wherever possible has been postponed; but even then the demand has been very large. At this writing red clover seed has softened a little in price, and can now be purchased in round lots for about 25c. per pound. The top retail prices for the season of 1908 so far reported to me have been: \$4 per bushel (45 pounds) for timothy grass seed, and 32c. per pound for red clover seed.

Onion sets also ended the season very strong in price; in fact, at the very top rates of \$4 per bushel for yellow and red sets, and \$4.50 to even \$5 for the white ones. We have all most certainly had a very large demand this season for onion sets; but such a condition always materializes in a year of excessively high rates for the onion seed.

Another few days will find the seedsmen beginning to reduce their forces to the normal number, as what business still remains to be finished can be comfortably taken care of by the regular forces. The past week saw the end of the night work for the Spring of 1908.

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE YOUNG PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

Prices Advertised in these Columns are for

European Notes.

The heavy falls of snow reported last week, which appear to have stretched from the middle of France to the North Pole, were succeeded by rains so persistently heavy that floods are the order of the day in all directions and all outdoor work is quite at a standstill. The trade in clovers, grasses, and mangels, is bound to suffer, while the demand for seeds of catch crops such as mustard, rape, kale and Trifolium incarnatum is bound to be very brisk a little later on.

As regards prices, rye grass, both Italian and perennial, is being quoted at cheaper rates and as no one cares to hold over a further drop may be expected in the near future. Clovers must be sold for the reason that there is no new seed that could be held over and buyers naturally fight shy of two-year-old stock.

Peas that have in some cases been in the ground since February cannot have escaped serious injury and many failures are sure to be reported ere long.

As regards biennials now growing for 1908 crops, rutabagas and yellow-fleshed turnips will be found to have suffered severely when an inspection of them is possible. The acreage of both is much below the average.

Annual flower seeds are not yet sown, but if the genial change inaugurated by May continues the crops of these need not be unduly late.

Mr. and Mrs. W. Allee Burnee arrived at Southampton per S. S. Adriatic, and are enjoying a most delightful time in the Isle of Wight. They were accompanied as far as Cherbourg by D. I. Bushnell of St. Louis, and a brief account of the latter's birthday party at sea on April 26 has been prepared for publication.

The American invasion starts most auspiciously. "Let 'em all come."

On every hand one hears gloomy anticipations respecting business conditions in the near future. The following is a case in point: One dealer who has for several years placed an order for 3,000,000 crowns lily of the valley has this year cut it down to 300,000, and this he affirms is twice as many as he is likely to sell. The development of the cold storage is in some degree responsible, but beyond this shrewd business men see storms ahead and are prudently gathering in the sails.

EUROPEAN SEEDS.

P. S.—A most remarkable change has taken place since yesterday: a warm, misty wave has settled on us and the shade temperature is as high as 73 degrees Fahr. Strangely enough the wind is from the north and London is 9 degrees hotter than Nice. The change in the appearance of the trees is simply marvelous.

E. S.

French Field Seed Conditions.

March and April were cold and disagreeable; a heavy fall of snow occurred on April 25 last. Old people say they do not remember such a late fall of snow. The thermometer went down as low as 3 to 4 degrees below zero (centigrade) during a few nights, and we felt very anxious about the young plants and cabbages, swedes, turnips, etc., just shooting to seeds. Happily the frosts did not last long enough to do much harm and we are now enjoying splendid weather. Within a week or so we shall be able to set out our lettuces for seeds; the plants generally are looking well. Radishes also will soon be transplanted. A short time ago we planted our beets, mangolds and carrots under pretty good conditions; the worst is that the plants were generally very scarce and tiny, therefore the acreages planted are much smaller than usual. Of beets especially there is a very big shortage; and even if the crop turns out a splendid one, we should still be far from having the quantities we need here every year; and as nearly all stocks were cleared out last season, no doubt high prices must prevail.

Mangels yellow and white varieties, have been largely planted again this year, but one noticeable fact is the scarcity of the long red Mammoth mangel. Owing to its selling very slowly these past few years, most growers left off growing this variety; but last Autumn the demand for it was so large that all stocks were soon cleared out at a good buying price. As there were but very few plants indeed to set out for 1908 crop, no doubt this good old variety will fetch a good price again

next season. Yellow varieties do not seem to have advanced much in price; white varieties were a big crop last season and prices dropped very considerably. However, some large houses bought heavily at the end of the season and there is not a large quantity left over now. But plantations are very large again, and therefore there is not much chance for an advance in price, unless the crop turns out bad.

Of carrots the plantations are not very large, a good many plants having been destroyed by bad weather, worms, etc., through last Winter. Most of the plants were very tiny and delicate, owing to their having been sown very late last Autumn. A small crop is expected.

Cabbages, swedes, turnips, etc., as stated in my last report, will be a very poor crop; plantations were very much reduced and the late frosts no doubt badly affected the plants, which were just shooting.

Onions have been again largely planted this Spring for 1908 crop, and should everything turn out well, a big crop may be expected.

Leeks are doing pretty well for the present, although the plants we set out for seeds were very small.

Parsnip is not much planted; a short crop is expected. Parsley is doing well, also Winter radishes.

The season is now over for clover; the price which this article reached last season is most surprising. For our part here, we do not remember having ever seen such big quotations for clover, nor such a small quantity on the market; those who had the good luck to buy at once when the season started no doubt have made a good deal of money.

FRENCH SEEDS.

Cyclamen Persicum Grandiflorum Odorum.

Editor Florists' Exchange:

The preconceived opinion expressed by "European Seeds" in The Florists' Exchange of the 4th, April last, regarding the new Cyclamen persicum grandiflorum odorum, which we sent out in January, 1907, was read with some surprise by us. We are as well aware as the writer of the notes referred to, that cyclamens with scented flowers have been known for many years past and the fact has been published in some of our works on flowers; but the fragrant plants in existence before our introduction had always been either small flowered, not very well fixed, or lacking in some other respect.

We can claim for our last year's novelty that it has originated spontaneously with a Parisian grower; that in regard to habit of plant, size of flower, it is equal to the large-flowering Persian cyclamen, and that for intensity and delicacy of fragrance it stands alone in the trade up to the present date. It is consequently a real novelty, and not as the views expressed by your correspondent seem to imply—an old sort re-introduced.

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CABBAGE, Wakefield, L. I. Second Early, Early Flat Dutch, Early Summer, Winnigstadt, and other later varieties, \$1.00 per 1000; \$8.50 per 10,000.

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CELERY, Whites Plums and G. S. Blanching, 20c. per 100; \$1.00 per 1000.

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ROSES in 4, 5, 6 and 7 in. pots.

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Francis Leve	3.50	30.00	7.00
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Giant of Battles	3.50	30.00	7.00
Gloire Lyonnaise	3.50	30.00	
Hugh Dickson	8.00	75.00	12.00
John Hopper	4.00	35.00	5.00
La Reine	3.50	30.00	7.00
Madame Masson			5.00
Madame Plantier	3.00	30.00	5.00
Magna Charta			5.00
Margaret Dickson	4.00	40.00	7.00
Mr. John Laing	3.50	35.00	5.00
Paul Neyron	3.50	30.00	5.00
Roger Lambelin	3.50	30.00	5.00
Vick's Caprice	3.50	30.00	7.00

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Conrad F. Meyer (Hybrid Rugosa)	4.00	40.00	
Gross an Tepitz (Hybrid Benzal)	2.75	27.50	
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Sav. de Pres. Carnot	3.50	30.00	6.00
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Wellesley	3.50	30.00	
White La France	3.00	27.50	6.00

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Mme. Welebe	2.75	27.50	
Mlle. Coelle Berthod	2.50	25.00	
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Maman Cochet (Pink)	3.00	27.50	8.00
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Climbing Devoniensis	3.00	25.00
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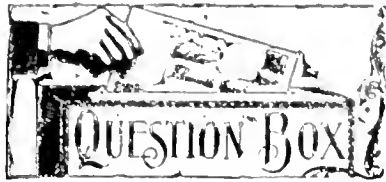
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PANSIES, Giant Trimardeau, finest mixed, transplanted plants, 50c. per 100; \$3.00 per 1000. PANSIES, extra large plants, in bud and bloom, \$1.00 per 100; \$8.00 per 1000. GERANIUMS, in bud and bloom, 4 in. Mutt. Double Grant, Poitevine, Viaud, Jaulin and White, \$4.00 per 100.

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Largest assortment of desirable varieties. Plants of proper size to give best immediate results. For complete list of varieties see our current wholesale list.

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(89) Canvas as a Substitute for Glass. Would it do to stretch canvas over a greenhouse framework as a substitute for glass for forcing vegetables in the early Spring, if the canvas was arranged to roll up and let the sunshine in when the outdoor temperature is above freezing? If so, would you use a thin or heavy ducking? Iowa. J. A. M.

—We would not advise the use of canvas as a substitute for glass, either for forcing vegetables or any other crop. As a means of shade from the hot sun canvas is all right, but as a protection from cold nights, its benefits would be very slight.

(90) A Destructive Moth.—A small moth is active in my houses; it lays its eggs on the bottom of the leaves of plants, and they hatch into small green worms. These worms eat the leaves on the bottom side and do great damage to the plants. What can I do to get rid of them? Penn. F.

—This is undoubtedly the same moth and caterpillar that cause so much trouble to those who grow mignonette under glass. Cover the ventilator openings with thin muslin to prevent the entrance of the moth. Dust the foliage of the plants with some one of the insect powders to kill the caterpillars.

(91) Treatment of Decorative Asparagus.—I have a bed each of Asparagus plumosus nanus and A. Sprengeri which have been in use about three years. Would it be advisable to replant with fresh soil, or put in new plants, as they do not seem to be in very good condition at present? J. W. M. Mass.

—The Asparagus Sprengeri we would certainly throw out, remove the soil and plant in young stock, using new soil. The Asparagus plumosus nanus we would retain and give a mulch of three inches of well-decomposed stable manure, and on top of that a covering of new soil almost one inch thick.

(92) Asters Dying Off.—I send you specimen of aster plants which are dying off in my greenhouse by the thousands. A small brown spot starting at the seed leaf, sometimes working up, sometimes down to the roots, destroys the whole plant. These plants are growing in ordinary soil with a little sheep manure mixed in. All other bedding stock is doing extra well in this compost. These seedlings were the best I ever had and came better than those of other growers nearby. I have been successful for years in aster growing, and this is my first experience of bad luck. New Hampshire. C. R. L.

—This is evidently a case of just ordinary damping off, coming through some unfavorable condition. Pull out every plant that is the least affected, sprinkle dry lime among the remainder and give plenty of air at all favorable times. It will also be in order to make another sowing of seed to replace the plants lost.

(93) Ribbon for Bouquets and Design Work.—Kindly inform me the most appropriate colors of ribbon and chiffon to be used on funeral designs and bouquets for various ages. Is foliage green chiffon an appropriate color for funeral arrangements? Cal. M. H. McC.

—Years ago it was believed that certain colors were more appropriate than others for floral purposes in funeral work. Thus, for a very old person, white or purple flowers and purple ribbon were considered the correct thing; white flowers with white ribbon for middle-aged people, and, for young persons, pink flowers and pink ribbon were admissible. Of late years, however, these color lines seem to have been entirely ignored, and flowers of any color with ribbon to match can be used with perfect propriety. Make your own styles and combinations; use ribbons that blend with the flowers and you cannot go wrong.

Table listing various plants such as Achillea, Anemone, Aster, and others, with prices per dozen and per 100.



Table listing specific varieties of plants like Anemone Queen Charlotte, Heuchera, and others, with prices.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

(94) Dahlia Mrs. Roosevelt.—Who was the originator of the dahlia Mrs. Roosevelt, and how long ago was it put on the market? BEAULIEU. —Will some of our readers kindly answer this inquiry, and oblige. (95) The Height of Trees.—In specifying the height of fruit and park trees, say, to 5-7 feet, does that count from the ground to the top of the crown or how? T. E. —Yes, the height of a tree is under-

stood to be from the surface of the ground to the crown of the tree, or the top of its branches. J. M. (96) Propagating Berberis Thunbergii.—Please inform me how to propagate and grow Berberis Thunbergii, and greatly oblige. D. R. New York. —Berberis Thunbergii is raised so easily from seed that there is no need to consider any other plan. Gather the berries in Autumn, crush them in a box to loosen the pulp without bruising the

THE AMERICAN CARNATION Price \$3.50 A. T. DE LA MARE PT& PUB CO. LTD 2-8, Duane Street New York. seed, wash away the pulp and sow the seed in a prepared bed outdoors. Cover the seed with about a quarter of an inch of good light soil. A good crop of seedlings may be expected in Spring. J. M.

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KING HUBBERT. A marvel in bedding Cannas and the finest by far up-to-date. Deep bronze leaves and immense salmon-scarlet flowers in enormous heads; producing a blaze of color.
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VINCA variegated, 2 in. \$2.00
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CORBEA Scandens, 2 in., \$2.50 per 100.
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Horticultural Notes.

The wallflower, with its delicious fragrance, lives out in Winter when given some protection such as shade and a good mulching of forest leaves. Although not an annual it does best treated as one, as do many other plants of like nature. It flowers in early Spring, its beauty and fragrance rivaling those of any other hardy plant of the season. It has the merit, too, of retaining its delicious odor after its flowers are dried.

The seaside golden rod, *Solidago sempervirens*, does well in gardens. Its appearance differs from that of all other species. It grows very tall, has leaves of solid texture, with very large flowers—altogether a stately, handsome plant. Deep, damp soil suits it.

Clematis montana, a favorite vine for covering dwellings in England, was tried in Philadelphia some years ago, but failed to thrive. Does any one know of its succeeding outdoors in the Middle States? Its long sprays of star-like white flowers are beautiful, appearing in May and June.

As a climber for use outdoors in Summer the good old *Cobea scandens* is still appreciated. It grows fast, has pretty foliage, and its large, bell-shaped flowers make a great display.

Cercis japonica is thought to be handsomer as a bush than as a small tree. To keep it low, which will insure flowers from all the shoots next season, it will make later, cut it down to a desired height as soon as its flowering is over.

A much admired plant for pools of shallow, clear water is the forget-me-not, *Myosotis palustris*. This one is considered the true token flower, and not the *M. arvensis*, as some suppose. Its flowers are larger and of a deeper blue than those of *M. arvensis*.

Among all the *lychnis*, new and old, not one gives more satisfaction than the old *L. chaledonica*. Hardy as can be, sure to flower, its scarlet heads appearing for a period of many weeks, no border of perennials should be without it. There is a white form of it as well.

Vinca major variegata will live out in Winter when given some protection, but as its uses are for drooping purposes, in boxes, vases and the like, it is in better shape for use when pot grown. It likes good drainage and lots of water in Summer.

Those interested in basket willow culture should write to the Forest Service of the United States Department of Agriculture, Washington, D. C., for its pamphlet on the subject. It is understood, too, that cuttings will be furnished those interested.

Hibiscus sabdariffa, a plant known as "roselle" and "red sorrel," which is well known in the West Indies, where jams and jellies are made from its flesh, calyces and from its seed pods when they are young and tender, has been introduced in Hawaii with good results. It is said that in the West Indies from 6,000 to 7,000 pounds of fruit per acre can be obtained under average conditions.

Cedrela Sinensis.

So many persons are acquainted with the *ailanthus* tree that when it is said the *Cedrela sinensis* has foliage almost like it, what it is like is pretty well understood. When first introduced it was said of it that it could be used instead of the *ailanthus*, having the favorable points of the latter without its objectionable ones, those of its malodorous flowers and its suckering habit. This is true as concerns its odor; there is none of an offensive nature at all connected with its flowers; but of its suckering it cannot be said to be absolutely free from this habit—but few trees are—although it suckers so little that this objection need not be considered. To lessen its chances of suckering seedlings should be used instead of those raised from root cuttings, because, as gardeners know, a tree or plant raised from root cuttings is apt to increase itself in the same way, and sometimes when it is not desirable.

While of an *ailanthus* appearance in its foliage its style of growth is quite different. It forms a round headed tree, much as a Norway maple does, a form not often seen in the *ailanthus*.

Like the *ailanthus*, Kentucky coffee tree, linden and other trees, it gives no evidence in its young stages of growth of its handsome, rounded appearance as a tree. Nurserymen know how hard it is to sell the Kentucky coffee tree on its appearance in the nursery. It is much

the same with the *cedrela*. There is no evidence then of the handsome trees they become eventually.

When raised from root cuttings the *cedrela* needs cutting down several years in succession in order to get a good straight shoot, as its tendency is the other way; but seedlings grow straighter.

Is the *Platanus Occidentalis* of Value?

A New England subscriber wrote us a short time ago asking us to describe the difference between the American plane, *Platanus occidentalis*, and the European one, *P. orientalis*, and, further, asked us if the former is not as good for general planting as the oriental. Answering the second question first, the American is not considered the equal of the oriental, because that it is subject to leaf blight, which the oriental is not. This blight attacks it in early Summer, damaging the leaves to such an extent that they fall from the tree, continuing to litter the ground all Summer long. The oriental is not subject to the same attack, or if it is, it has never been reported as being of any great injury to it. This blighting of the foliage debars the American from general use, so much so that many nurseries do not keep this tree in stock at all.

Concerning the distinction between the two species, there is a difference in the leaves, as can be seen when

Every family wants sweet cherries in its garden for eating out of hand, yet it is the pie cherry that is the poor man's tree. The one who has space for several trees sets out an assortment, but where there is room for but one, it is oftener than not that a pie cherry, or Morello, is selected. There are many other sour or partly sour sorts besides the Early Richmond, but this is the popular tart cherry, and the one generally called for. Duke cherries are all partly tart, and there are several sorts of Morellos, still, the Early Richmond leads all, and it is this that is the popular one, nurserymen say.

Among the sweet cherries the old standbys Black Tartarian, Governor Wood, Napoleon, Rockport, Windsor and Yellow Spanish are still as great favorites as they were thirty years ago.

One has to be very careful in transplanting cherries. They will not endure a drying out at the roots, and, more than this, if well pushed out before being transplanted they are apt to fall entirely. A good pruning back of their branches, fully one-half of their length, and great care that the roots do not become dry, lead to success.

Polygonum Cuspidatum.

Although the *Polygonum cuspidatum*, like another species, *P. sachalinense*, spreads so fast that it is undesirable in some locations, there is no question of its value

for planting where masses of it are just what the position requires. It loves a damp place, and to be undisturbed. Given these, it spreads quickly and then is just the plant required. Our picture takes in two lots of it. The clump in front is at the foot of a decline where it is always damp; and see what a nice display the plant has made! Lower down, bordering a lake, in which are flourishing plants of *Nymphaea corymbosa*, is a mass of the *polygonum*, which is well placed, and which is a handsome sight, as a background to the water lilies.

In some works this species is mentioned as being not unlike *P. sachalinense*, but the latter is a coarse grower and not nearly as ornamental a plant



Polygonum Cuspidatum.

the two are compared, but it cannot well be described to be plain enough to be of use here. When trees commence to bear seeds it is easy to distinguish them. The American plane bears its seeds in single balls, while those of the oriental are mostly in twos, sometimes in threes, and even in fours at times, rarely in ones. This is a good guide, enabling any one to collect the seed true to name and to get cuttings in the same way—for it can be grown easily from cuttings.

It is a pity nurserymen do not discourage the planting of the plane on small streets. In Philadelphia, as, doubtless, in other cities, these trees are found along the sidewalks of streets of but 10 feet width. Just think of what this will mean in but ten years' time! The huge bodies of the trees will occupy half the sidewalks in time, while the branches will spread across the street. The plane should be planted only along the sides of the widest avenues.

A great deal of attention is being given to the *giukgo* as the coming street tree. It promises well.

Plant a Few Cherries.

It may be that the San José scale attacks cherries as well as other fruits in some localities, but it certainly does not in all. There are orchards in Pennsylvania in which are pears, apples, plums and cherries, and amid the general wreck of trees because of lack of proper spraying the cherries are the only ones that appear free from attack. This observation is strengthened by the report from other sections of the country; and it thus appears safe to say the cherry is a fruit that those who do not wish to spray can still enjoy.

as the *P. cuspidatum*. *P. sachalinense* is the one sent out many years ago as a forage plant, but cattle failed to respond to the advertiser's claim that they liked it, and it is heard of no more in that connection.

The *Polygonum cuspidatum* is too strong a grower and produces too large a mass of flowers to be of much use for cutting from, but for positions like those occupied by the plants illustrated or any other where there is no objection to its spreading all it wants to, it is an excellent one to use. As said, the plants like a wet place, in this respect being in accord with several of the wild species of this country. The one of our notes, *P. cuspidatum*, comes from Japan.

The appearance of the plants in the photograph may mislead some persons to think them shrubs. They are perennials, the tops dying down every Autumn, when the plants should be cut down to the ground.

JOSEPH MEEHAN.

THE OREGON CHERRY FAIR. The annual cherry fair at Salem, Oregon, is being looked forward to by the fruit growers of Oregon and the entire Pacific Coast with keen interest. Indeed, fruit experts in all parts of the continent are watching this event, a site stands for the best exhibition of the best cherries grown anywhere in the world. Although the date has not yet been fixed for this fair in Salem, it is safe to say that it will be held early in July, as last year's date was July 10, 11 and 12. There is now every reason to believe that a large crop is in store for the cherry growers of the State, for this season, as the trees have bloomed bountifully and, as far as can be learned, a large crop of fruit has set.

GRAFTED ROSES

NOVELTIES

MRS. JARDINE, RHEA REID, QUEEN BEATRICE.

The above, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.

MY MARYLAND, 50c. each, \$5.00 per doz., \$35.00 per 100.

On own roots, 2 1/2 in. pots, \$25.00 per 100, \$2.00 per 10; 3 in. pots, \$5.00 per doz.

STANDARD VARIETIES

Aurora, Betty, Bon Silens, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chatsenay, Mme. Hoete, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesey, White Cochet.

GRAFTED, 2 1/2 inch pots, 20c. each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1000.

OWN ROOT ROSES

From 2 1/2 inch pots, repotted from 2-inch. Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chatsenay, \$1.00 per doz., \$8.00 per 100, \$50.00 per 1000.

From 2 inch pots ready for shipment, \$3.50 per 100, \$30.00 per 1000.

CARNATIONS—Rooted Cuttings.

White Perfection 100 1000
 2.50 20.00
 Rose Pink Enchantress 3.50 30.00
 Enchantress 2.50 20.00
 Queen Louise 2.50 20.00
 From 2 1/2 inch pots, add \$1.00 per 100.

MISCELLANEOUS PLANTS

AGERATUM, Stella Gurney, Princess Pauline.
 SALVIA Splendens, S. Bonaire.
 HELIOTROPE.
 Rooted cuttings 75c. per 100, \$6.00 per 1000.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS From 6cts, \$10.00 per 1000.

A. N. PIERSON, - CROMWELL, CONN.

COLEUS

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmorston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 60c. per 100, \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate. Golden Bedder, Hero, Meesey, Pearl of Orange, 75c. per 100, \$6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate. Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c. per 100, \$6.00 per 1000. 250 in assortment, our selection, at the 1000 rate.

CHRYSANTHEMUMS

READY FOR SHIPMENT

Virginia Pochmann, Angale Laurent, Golden Dome, Mile. Jeanna Rosette, Money Maker, From 2 1/2 in. pots \$2.00 per doz.; \$10.00 per 100.

Mrs. Clay Frick, Zimmers Yellow, Mary Mann, From 2 1/2 in. pots \$1.00 per doz.; \$6.00 per 100.

Rooted Cuttings, \$5.00 per 100.

CHOICE POMPONS, Klondyke, Quinola. CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita.

From 2 1/2 in. pots, \$1.00 per doz. STANDARD VARIETIES

WHITE—Early: George S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Niveus, Queen, Alice Byron, Eureka, Miss Minnie Wausmaker, Adella. Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.

PINK—Early: Glory of the Pacific, Rostere. Mid-Season: J. K. Shaw, Adels, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant, Late: Maid Dean, The Harriott, Mayor Weaver, Mrs. James Maraball.

YELLOW—Early: Monrovia. Mid-Season: G. Pletcher, Col. D. Appleton. Late: Major Bounaffon, Golden Wedding, H. W. Reiman, Yellow Eaton.

RED—Cullagfordi, Merstham Red, Matchless. BRONZE YELLOW—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Lula (White), Briolas (Pink).

From 2 1/2 inch pots; 5c. each, 50c. per dozen, \$3.00 per 100, \$25.00 per 1000.

Rooted Cuttings: \$2.00 per 100, \$15.00 per 1000.

SMITH'S NOVELTIES FOR 1908

Golden Glow, Pacific Supreme, White Cloud, 2 1/4-inch pots, \$5.00 per dozen. Ready for shipment.

JOTTINGS FOR FLORISTS

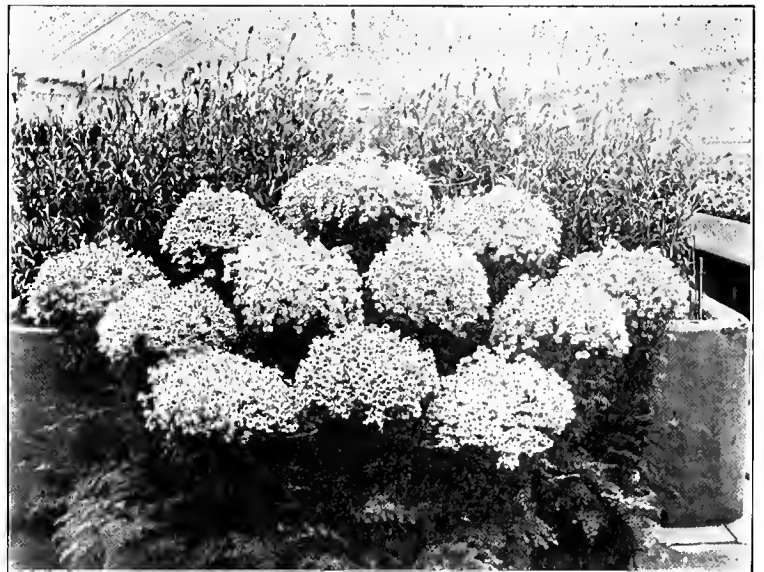
BY EDWIN LONSDALE

New Double Lobelia Kathleen Mal-lard is now blooming in the greenhouses at Girard College. It is a beautiful rich blue in color, and the flowers are full double, which makes it a very attractive plant at this season of the year. If it will flourish in our hot and dry climate and continue to flower all Summer, it will be a decided acquisition and no doubt will be planted in large quantities next year.

Begonia Gloire de Lorraine Plants that were put into the propagating bed as leaf cuttings about the second week in December are now in 3-inch pots, averaging four shoots to each plant. The advantage of leaf cuttings in increasing the stock of this valuable hybrid begonia is that the plants so raised will furnish lots of stem cuttings from now on, which will root with

beans, although it has been stated that a cut worm had something to do with diverting the climbing tendencies of one of the now thoroughly established dwarf varieties of this toothsome edible of the Leguminosae family. Among flowers—to refer to them again—the dwarf forms of sweet alyssum, Drummond's phlox and many others too numerous to mention here have originated as seed sports.

Schizanthus Wisetonensis The illustration here shows a dwarf or compact form of Schizanthus Wisetonensis which originated in Girard College greenhouses. My first acquaintance with the schizanthus, to which this paragraph refers, was an illustration which appeared in one or more of the florists' trade papers five or six years ago, which referred to same as a novelty among the British florists. After looking through some of the Am-



Schizanthus Wisetonensis Compacta

a certainty in a warm house and grow like weeds, and will be the making of fine plants for the holidays. Carried over plants are somewhat sluggish in starting to produce succulent cuttings for a while yet, so that it is really better to depend on leaf cuttings entirely when the desire is to have this begonia for Christmas at its best.

In making stem cuttings of Gloire de Lorraine begonias be careful to have at least one growth bud at the base of same. This will be the means of laying a good foundation for the right kind of a plant; and this precaution holds good in the propagating by stem cuttings of the semperlorens and some other species of begonias.

Seed Sports At the May meeting of the Florists' Club of Philadelphia the term "seed-sports" used by the undersigned led to quite a discussion. The claim made was that a seed sport is apparently the way generally made use of by Nature in her predisposition to vary.

Seed sports are more frequent than bud sports of branches of shrubs, or trees, but they are not always so distinct or pronounced as to attract attention in the former as in the latter, though there are some very notable exceptions to that rule. For instance, the Cupid or dwarf sweet pea is a very distinct form of that favorite annual which originated in no other way than as a seed sport. Among vegetables there are several distinct dwarf forms of Lima

american seed catalogues, seed of the plant was obtained, but unfortunately not a plant resulted therefrom. In 1905 more seed was secured; this germinated all right, and from plants that were grown from this seed we saved enough seed for our own use. The plants varied somewhat in height and the coloring of the flowers was all less or more different, one more pronounced than the rest being a pale purple with dark velvety blotches on the upper petals. Personally this coloring did not appeal to me, but a number of visitors and others connected with this institution preferred this coloring to all the others. There was another plant quite distinct among them; this was smaller in every way, the shoots were more silice, the leaves much smaller and the flowers were also a trifle less; altogether it was a very neat little plant. This was set aside, away from the others, and in due course some seed was collected. This seed was sown on November 19, 1907, and in a week it showed signs of germination.

When the resulting plants were large enough to show character, the difference between them and the older type was quite noticeable all through their periods of growth. They were potted on from time to time until March 4, 1908, when they received their final potting, which was into 6-inch pots, and they were in full bloom April 18. They were grown in a night temperature of as nearly 50 degrees as possible, in the carnation house.

FERNS

MY SPECIALTY

MILLION AND A HALF OF FERN SEEDLINGS in 20 or more of the best commercial varieties, ready for delivery during June and July.

State your wants early and get special quotations. Stock the best. You will be pleased, or money refunded.

Assorted Ferns for jardinières, healthy and bushy, none better, in 12 best varieties from 2 1/2 in. pots, \$2.50 per 100, \$23.00 per 1000; 3 in., \$6.00, 4 in. \$12.00 per 100.

Adiantum Farleyense, fine stock, from 2 in. pots, \$10.00 per 100, \$95.00 per 1000

Adiantum Concavatum, 2 in., \$3.50 per 100, \$30.00 per 1000, 3 in. \$6.00, 4 in. \$12.00 per 100.

Fern Spores, gathered from my own stock guaranteed fresh, and true to name, in 24 best commercial varieties, 30c. per trade pkt., \$3.00 per dozen.

J. F. ANDERSON
 SHORT HILLS, N. J.

FERNS

Boston, Scottii, 4 in. 15c.; 6 in. 40c. Some extra heavy Scottii at 50c. each. All pot grown.

Asparagus Plumosus, 2 1/2 in., \$3.50 per 100. KENTIA Belmoreana, 4 in., \$26.00 per 100. Ferns for Jardinières, in nice assortment, 2 1/2 in., \$3.00 per 100.

H. WESTON, Hempstead, N. Y.

FERNS

For Jardinières, strong healthy plants, 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate, 3 in. \$6.00 per 100; 4 in. \$12.00 per 100.

NEPHROLEPIS SCOTTII, 9 in. \$1.50; 7 in. \$1.00 each.

BOSTON FERNS, 7 in. \$1.00 each. Piersoni, 7 in. \$1.00 each, worth double.

FRANK N. ESKESEN, Main Street Madison, N. J.

Nephrolepis Scottii

In the following sizes, extra good value: 2 1/2 in., 50c., 75c. and \$1.00. GRAND SPECIMEN PLANTS at \$3.00, \$4.00, \$5.00 and \$6.00.

JOHN SCOTT

Rotland Rd. and E. 45th St., Brooklyn, N. Y.

ROSES OWN ROOTS

2 1/2 in. pots, Summer propagated, 500 Plants at 1000 rate.

100, \$3; 1000, \$25. \$3.00 per 100; \$27.50 per 1000

Baby Rambler Maman Cochet

Clothilde Souper White Cochet

Mme. Cecile Berthod Yellow Cochet

Safrano Helen Gould

Snowflake Bessie Brown

Mosella Climbing Kaiserin

Isabella Sprunt Climbing Meteor

Coq. De Lyon Malmalson

Marie Van Huutte Papa Guntler

The Bride White Hongere

Bon Silence Grues an Tepiltz

Chatenay Hermosa

D. of Brabant Lady Gay

Queen's Scarlet Sunrise, 100, \$3.50

Crimson Rambler Etoile de France, 100, \$3.50; 1000, 100, \$3.50.

Joe Hill, 100, \$4.00

Kaiserin Helen Good, 100, \$5.00.

Perle des Jardins Baby Rambler, in Magnafano bud and bloom.

Paul Neyron 4 in. pots, 100.

Striped R. M. 4 in. pots, 100.

Benrletta \$8.00.

HYDRANGEA, Arborecens Grandiflora alba, 2 1/2 in. pots, \$6.00 per 100; \$60.00 per 1000.

JOHN A. DOYLE, Springfield, Ohio

ROSE PLANTS

Own roots, 3 1/2-in. pots; ready June 15, 2000 BRIDES, \$6.00 per 100; \$50.00 per 1000.

2000 BRIDESMAIDS, \$6.00 per 100; \$50.00 per 1000.

RICHMONDS. Ready now; from 2 1/2-in. pots, \$5.00 per 100; \$45.00 per 1000.

THE LEO NIESSEN CO.

Wholesale Florists

209 Arch St., Philadelphia, Pa.

Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

Cement Tables As will be seen by referring to the schizanthus photograph (which was taken by my assistant, Ernest Thomas, who also grew the plants), the plants are grouped at the end of the bed on which are growing carnations. Those to the left of the picture are Eucharis and those on the right are seedlings. The concrete retaining wall is plainly visible. This wall is two feet high and a trifle over three inches thick at the top. At the base it is about six inches thick and tapers on the inside upward. Inside the walls, up to within eight inches of the top, is filled in with cinders, the rougher material at the bottom, topping off with the finer, and enough sandy gravel was put thereon to lay common hard building bricks, to pave, as it were, that which would be the bottom of the bed. When all was completed there was space enough for 5 or 6 inches of soil. Before the soil was wheeled in some half rotted straw horse manure was spread over the bricks an inch or so thick. On this bed carnations have done remarkably well all Winter, considering they were not planted until October 1. This house was built by Hitchings & Company last Fall and it has proven very satisfactory in every way.

Mothers' Day well observed in Philadelphia on Sunday, May 10, and with it white flowers were made use of; but whether the surplus in stock existing in most of the large flower centers was relieved perceptibly has not yet been made known to me. White carnations were in evidence for the most part, though other flowers were worn to some extent. Here is another opportunity for growers, wholesalers and retailers to get together and keep up an agitation in advance of such days when flowers may be used appropriately and to the positive advantage of all concerned in the growth, sale and uses of cut flowers. The North American, one of the leading daily newspapers in the Quaker City, has taken up the matter and advocated the wearing of white carnations as being the most appropriate flowers for the purpose. It does look sometimes as though the carnation will eventually become the national flower. Let the good work go on!

FINE FERNS FOR JARDINIERS

Very bushy and in best varieties. Liberal count on all orders. 2 1/4 in. pots, \$3.00 per 100, \$25.00 per 1000.
Asparagus Plumosus Nana, 2 1/4 in. pots, \$3.50 per 100, \$30.00 per 1000.

Thomas P. Christensen,
SHORT HILLS, N. J.

NEPHROLEPIS

WHITMANI, 2 1/4 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.
FERNS, Boston, 2 1/4 in. \$3.00 per 100.

Henry H. Barrows & Son,
WHITMAN, MASS.

ORCHIDS

IN BUD FROM
STANLEY & CO., Southgate, England
who always do the thing well.

CATTLEYA MOSSIAE
in sheath to flower this April, May, at \$60.00 per 100. Order immediately.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.
Sander, St. Albans, England
and
235 Broadway, Room 1, New York City

BEDDING PLANTS

SALVIA Bonfire, 3 in., \$3.00 per 100. GERANIUMS, 3 in., \$3.00 per 100. VERBENAS, DUSTY MILLER, ALTERNANTHERAS, red and yellow. PETUNIAS, Single BEGONIAS, asst., 2 1/4 in. pots, \$2.00 per 100; \$15.00 per 1000. VINCA Variegata, 4 and 5 in. pots, 10 to 20 leads, \$8.00 and \$10.00 per 100. DRACAENA Indivisa, 5 in., 20c.; 6 in., 35c.
J. S. BLOOM, Riegelsville, Pa.

Schultheis Specialties

BOXWOOD BUSHES in fine shape.
In 6-in. pots, 1 ft. tall, \$3.00 per doz.
In 6 1/2-in. pots, 1 ft. 6 in. tall, \$4.00 per doz.
In 7 in. pots, 2 ft. tall, \$6.00 per doz.
In 8 in. pots, 2 ft. tall (wider), \$9.00 per doz.

SCOTTII FERNS in 3 in. pots, \$10.00 per 100

WHITMANI FERNS in 2 1/4 in. pots, \$10.00 per 100.

New Polyantha rose **APPLE-BLOSSOM**, color apple-blossom pink, earliest rose to bring in bloom and beautiful as a pot plant. Grafted plants in 3 and 4 in. pots, and 1 1/2 in. pots, \$25.00, \$30.00 and \$35.00 per 100. Plants on own roots, 2 1/2, 3 and 3 1/2 in. pots, \$15.00, \$20.00 and \$25.00 per 100. Manian Levavasseur or pink Baby Dorothy grafted plants, 4 and 4 1/2 in. pots, \$25.00 and \$30.00 per 100. We will book orders now for delivery the 1st of October of grafted plants of the Everblooming Crimson Rambler or Flower of Fairfield, from 4 and 1 1/2 in. pots at \$75.00 and \$100.00 per 100 respectively. Own root plants from 2 1/2 and 3 1/2 in. pots, \$50.00 and \$75.00 per 100. The best thing ever introduced producing flower trusses on each and every shoot. Color a few shades more brilliant than Crimson Rambler from which it is a sport.

PIRAMID BOXWOOD in tubs.
3 ft. tall, \$4.00 per pair.
3 ft. 6 in. tall, \$4.50 per pair.
4 ft. tall, \$5.00 per pair.
5 ft. tall, \$6.00 per pair.
5 ft. 6 in. tall, \$8.00 to \$10.00 per pair

BOXWOOD CROWNS, stem 1 to 3 ft., \$1.50, \$2.00, \$3.00, \$4.00, \$5.00 per pair.

BAY TREES in tubs, 4 ft. stem; 2 ft. crown diameter, \$15.00 to \$18.00 per pair.

AUCUBA Japonica Variegata in 8 in. pots, 2 to 2 1/2 ft. 6 in. tall, fine and bushy, \$18.00 per doz. In tubs 3 ft. tall, \$2.50 to \$3.00 each.

BABY RAMBLERS in 5 1/2 in. pots, \$3.00 and \$4.00 per doz.

BOSTON FERNS in 3 in. pots, \$10.00 per 100, 4 1/2 in. pots, \$15.00 per 100.

The Following will be in for DECORATION DAY

HYDRANGEAS in bud in 5 1/4 in. pots, \$6.00 and \$9.00 per doz.

CRIMSON RAMBLERS in 6, 6 1/2, 7 and 8 in. pots, at \$6.00, \$9.00, \$12.00 and \$15.00 per doz., fine and full of buds. Also by the 100.

DOROTHY PERKINS, very fine, 6, 6 1/2 and 7 in. pots, \$6.00, \$9.00 and \$12.00 per doz.

SPIREA Gladstone, in 6, 7 and 8 in. pots, fine, very large plants at \$6.00 per doz. Extra large plants in 8 in. pots, \$9.00 per doz.

ARAUCARIA Excelsa, 5, 5 1/2 and 6 in. pots, 75c., \$1.00 and \$1.50 each.

ANTON SCHULTHEIS, 316 19th St., College Point, L. I., N.Y.

Julius Roehrs Company's Specialties

RUTHERFORD, N. J.

Newly imported ORCHIDS on hand:
Cattleya Trianae, Mossiae, Mendelii, Intermedia, Gigas, Percivaliana, Harrisoniae, Oncidium Varicosum, Oncidium Splendidum, Laella Purpurata, Epidendrum Vittelinum, Oncidium Tigrinum, Dendrobium Wardianum, Dendrobium Nobile, Dendrobium Formosum and Vanda Coerulea.

BAY TREES, BOX TREES, PHENIX, KENTIAS, Etc.

BEGONIA Lorraine, leaf cuttings, immediate delivery, \$15.00 per 100; \$140.00 per 1000.
Ask for special lists. Visit our greenhouses.

Julius Roehrs Company, Rutherford, N. J.

NEPHROLEPIS AMERPOHLI

PHILADELPHIA LACE FERN

\$12.00 per 100, \$100.00 per 1000. 5% off cash with order.

These are good strong plants that were potted November and December last.

We need the room and must move them.

Also a fine lot of 6 1/2 inch pots at 75 cents each, 25 or more at 70 cents each. This is the most talked about fern of the lot and has been awarded a great many honors, including a medal by the Royal Horticultural Society of London and the "Kitt Cup" by the Pennsylvania Horticultural Society for the most meritorious new plant introduced in 1907.
Equally as good as green for cut flowers or pot culture.

The stock here offered is in superb condition.

WILLIAM P. CRAIG, 1305 Filbert Street, Philadelphia, Pa.

ARRIVED in fine condition, a fine importation of C. Trianae, C. Labiata, C. Schroederae, C. Gigas Sandariana, C. Harrisoniae, C. Citrina, Laella Aneaps, Oncidium Varicosum Rogersii, Onc. Ornithorynchum, Onc. Tigrinum, Odontoglossum Inaleayi, O. Roasii Majus.
We carry Orchid Peat, Sphagnum Moss, Basket, etc.
CARRILLO & BALDWIN, Secaucus, N. J.

Commercial Violet Culture Price \$1.50

The Florists' Exchange, 2 to 8 Duane St., N. Y.

HELLO! Here Is Your Chance

GERANIUMS, HELIOTROPE, AGERATIUMS, FUCHSIAS, SALVIA SPLENDENS and ALL FLOW DAISES in 4 in. pots, \$1.00 per 100.

DOUBLE WHITE PETUNIAS, \$5.00 per 100.

FLOWERING VINCAS, 4 in. pots, \$10.00 per 100.

PIRANKLE, very fine, 4 and 4 1/2 in. pots, \$1.00 per dozen.

HARDY IVY, 4 in. pots, \$1.00 per 100.

CANNAS, all varieties, 4 1/2 in. pots, \$10.00 per 100.

Thousands of **HYDRANGEAS** for planting available \$1.50 per 100.

HONEYUCKLE, 6 in. pots, \$15.00 per 100.

DANIELS, Marqueterre, white and yellow, 3 in. pots, \$3.00 per 100.

COLEUS, 13 fancy colors, AGERATUM, ALTERNANTHERAS, SHARER LEAF GERANIUMS, CIGAR PLANTS, GROUND IVY, SWEET ALYSSUM, PETUNIAS, PHELOX, VERBENAS, AUCILLERY PLANTS, LOBELIA, FLAVEREY, BACHELOR BUTTONS and FUCHSIAS, 2 1/2 in. 3 in. pots, \$2.50 per 100. **DOUBLE WHITE PETUNIAS**, 3 in. pots, \$4.00 per 100. CASH WITH ORDER PLEASE.

MRS. J. H. CLAUSE
1119 Roy St., Philadelphia, Pa.

PLANTS FOR 2cts.

Swainsona alba, 2 in. 2c. Feverfew, Heliotrope, Cuphea, Coleus, White Ageratum, 2 in. 2c.

FEVERFEW, double white, nice young plants, 75c. per 100.

SINGLE HOLLYHOCKS, field, 2 1/2c. Vinca var.; Alternanthera, red and yellow; Stock Princess Alice, 2 in. 2c.

Forget-me-nots, Double Daisies, \$2.50 per 1000.

Wallflowers, Digitalis, field 1c.

VINCA var., large bench plants, 6c.

PANSY PLANTS, in bud, \$3.00 per 1000.

STEVIA, dwarf, 2 in. 2c.

DUSTY MILLER, 2 in. 2c.

FUCHSIAS, 8 kinds, 2 in. 1 1/2c.

SWEET ALYSSUM, Single dwarf, 2 in. 1 1/2c.

Rooted Cuttings below prepaid per 100

Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c. Vinca Variegata, 90c.; Fuchsia, 5 kinds, \$1.25; Paria Daisy, yellow and white, \$1.00; Alexandra, \$1.25. Flowering Begonias, \$1.25; Coleus, 10 kinds, 60c.; Ageratum, inimitable, white, 60c.; Alternanthera, 3 kinds, 60c.; Salvia, Bonfire, 90c.; Feverfew, Gen., \$1.00; Farer Ivy, 75c.
Cash or C. O. D.

BYER BROS., CHAMBERSBURG, PA.

A FEW GOOD THINGS YOU WANT Cash with Order.

Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.

Asparagus Sprenger, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.

ASPARAGUS SPRENGER SEEDLINGS, \$1.00 per 100.

Dracaena Indivisa, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.

FERNS, Scottii, 5 in., 30c. each.

GERANIUMS, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., \$1.25 per 100; Pot plants, 2 in., \$2.00; 3 in., \$4.00 per 100.

Trego, Castellane, Vland, Juulin, Poltevine, R. C., \$1.50 per 100; Pot Plants 2 in., \$2.50; 3 in., \$5.00 per 100. Mme. Sallerol, 2 in., \$3.00 per 100.

VINCA VAR., 2 in., \$2.00 per 100.

Cash with order; or C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order.

GLADIOLUS BULBS, mostly light colors, \$1.00 per 100.

REX BEGONIAS, 2 in., 15.00 per 100.

COLEUS; ALTERNANTHERA, red and yellow; CIGAR PLANT; VERBENA; HELIOTROPE; SCARLET SAGE, Bonfire; 2 in. pots, \$2.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

CYCLAMEN

Splendens Giganteum Hybrida. Finest strain in the world, perfect flowers of giant type in five true colors. Twice transplanted from flats, \$3.00 per 100, \$25.00 per 1000; plants from 2 1/2 in. pots, \$5.00 per 100, \$45.00 per 1000.

CANNAS

Alphonse Bonnier, Florence Vaughan, Chas. Henderson, Chicago, Papa, Egandale, J. D. Cubos, Queen Charlotte from 3 in. pots, \$4.50 per 100, \$40.00 per 1000.

GERANIUMS

S. A. Nutt, John Doyle, Castellane, Beante Poltevine, E. G. Hill, Mme. Lundrey, Mme. Juulin, La Favorite, etc. first-class grown stock in bud and bloom, from 4 in. pots, \$6.00 per 100.

SATISFACTION GUARANTEED

PAUL MADER, East Stroudsburg, Pa.

Rose Plants

From 2 1/2 inch Pots

	Per 100	Per 1000
Bride.....	\$3.00	\$25.00
Maid.....	3.00	25.00
Chatenay.....	3.00	25.00
Ivory.....	3.00	25.00
Uncle John.....	3.00	25.00
Perle.....	4.00	35.00
Sunrise.....	4.00	35.00
Kate Moulton.....	5.00	40.00
Richmond.....	4.00	35.00
Killarney.....	5.00	40.00

....Bench Plants....

	Per 100	Per 1000
American Beauty, ready now.....	\$6.00	\$50.00
Perle.....	4.00	35.00
Richmond.....	4.00	35.00

Carnation Cuttings

Well Rooted--Ready Now

	Per 100	Per 1000
Lawson.....	\$1.50	\$12.50
Enchantress.....	2.00	15.00

PETER REINBERG

1,580,000 feet of Modern Glass

51 Wabash Ave., CHICAGO

REDUCED PRICES

HARDY PERENNIAL PLANTS

As we have sold nearly 5,000 plants from this list the past week our stock must be in good condition.

115 Achillea, The Pearl.....	\$0.05	95 Gaillardia Splendens.....	\$0.04	50 Phlox Carnard Ache.....	\$0.04
155 Agrostemma Coenaria.....	.04	550 Gypsophila Paniculata.....	.05	20 Phlox L'Esperance.....	.04
75 Artemisia Abrotanum.....	.04	325 Gaillardia Gran.....	.04	180 Phlox Mad, P. Lau-	.04
35 Aster A. Bessarabicus.....	.05	Comp.....	.04	zier.....	.04
65 Aster P. W. Raynor.....	.05	280 Hydrangea.....	.08	180 Phlox Pink Beauty.....	.04
120 Aster Snowflake.....	.05	225 Heliopsis Scaber Ma-	.04	125 Pulmonaria Maculata.....	.06
60 Anemone mixed.....	.04	ior.....	.04	65 Polemonium Reptans.....	.05
135 Aquilegia Chrysantha.....	.04	315 Hibiscus Crimson Eye.....	.04	20 Polemonium Coeru-	.05
145 Aquilegia Canadensis.....	.04	45 Hibiscus.....	.04	leum.....	.05
230 Arabis Alpina fl. pl.....	.05	40 Iris Florentina Alba.....	.04	90 Parthenociss Sinensis.....	.04
Alyssum compactum.....	.06	275 Iberis Semperviridis.....	.04	200 Platycodon Gran.....	.05
70 Artemisia.....	.04	34 Iberis Corneifolia.....	.08	Alba.....	.05
65 Baptisia Australis.....	.05	125 Iris Kämpferi.....	.06	85 Phlox Rosa.....	.05
155 Boccconia Cordata.....	.04	200 Iris Spectabilis.....	.04	180 Physostegia Virguli-	.04
185 Boltonia Asteroides.....	.04	30 Iris Penelope.....	.04	ica.....	.04
45 Boltonia Latisquamia.....	.04	300 Lavandula Vera.....	.05	50 Rudbeckia Purpurea.....	.05
615 Campanula Rapuncul-	.04	100 Lychnis Chalcedonica.....	.04	305 Rudbeckia.....	.05
oides.....	.04	50 Monarda Didyma.....	.04	500 Sedum Acre.....	.04
500 Coreopsis Rosea.....	.04	Rosa.....	.04	35 Spirea Chinensis.....	.06
95 Coreopsis Lutea.....	.05	500 Myosotis Pal. Semper.....	.04	15 Spirea Aruncus.....	.05
45 Campanula Grosski.....	.05	100 Oenothera Fraseri.....	.06	25 Spirea Argentea.....	.06
180 Clematis Davidiana.....	.04	35 Oenothera Pilgrimi.....	.04	35 Sweet William mixed.....	.05
30 Chelone Lyoni.....	.06	45 Oenothera Speciosa.....	.06	30 Sweet William Dou-	.04
30 Cerastium Tomento-	.04	60 Pyrethrum Gran.....	.13	ble mixed.....	.04
sum.....	.04	30 Pentstemon Digitalis.....	.05	170 Salvia A. Grandiflora.....	.05
255 Eupatorium agera-	.04	150 Papaver Orientale.....	.04	100 Sedum Spec. White.....	.04
oides.....	.04	25 Phlox Pro. Minstre.....	.04	35 Tunica Atrosanguin-	.05
95 Eupatorium Fraseri.....	.04	40 Phlox Queen.....	.04	eum.....	.05
200 Eupatorium.....	.04	85 Phlox Dr. Hornby.....	.04	45 Veronica Incana.....	.05
1000 Golden Glow.....	.04	75 Phlox Andrew Keer.....	.05	275 Veronica Splcata.....	.05

GRAFTED ROSES \$10.00 per 100; \$100 per 1000. Brides, Brides-

maids, Richmond and Killarney.

Chrysanthemum Stock 2 1/4 in. pots

PINK		YELLOW		WHITE	
	Per 100		Per 100		Per 100
A. J. Balfour.....	\$2.50	Col. D. Appleton.....	\$2.50	Ivory.....	\$2.25
Pacific.....	2.25	Gold Mine.....	4.00	Alice Byron.....	2.25
Maud Dean.....	2.50	Monrovia.....	4.00	Mrs. Henry Robinson.....	2.50
Mrs. Coombs.....	2.50	Major Bonnaffon.....	2.25	Beatrice May.....	5.00
Pink Ivory.....	2.25	October Sunshine.....	2.50	Polly Rose.....	2.25
CRIMSON	Per 100	Yellow Eaton.....	3.50	Timothy Eaton.....	2.50
Black Hawk.....	\$2.25			White Dean.....	3.50
John Shrimpton.....	2.25			Yanoma.....	3.00
Mrs. Partridge.....	4.00			Jeanne Nonin.....	3.00

Edward J. Taylor, Greens Farms, Conn.

CHRYSANTHEMUMS

100,000 Plants, now ready, in 2 1/4 in. pots of all the novelties and standard varieties. The best American and Australian seedlings, and a complete list of the new singles.

ROSES

Rhea Reid and Mrs. Jardine, \$4.00 per dozen; \$30.00 per 100. Grafted Brides, Maids, Richmond, Killarney, \$12.00 per 100; \$100.00 per 1000. Own root Brides and Maids, 2 1/4 in., \$3.00 per 100; \$20.00 per 1000.

BEGONIA Gloire De Lorraine, \$15.00 per 100; \$145.00 per 1000.

CHAS. H. TOTTY, Madison, N. J.

CHRYSANTHEMUMS

WHITE		YELLOW	
	100		100
W. H. Chadwick.....	\$2.00	Golden Chadwick.....	\$2.00
White Bonnaffon.....	1.50	Major Bonnaffon.....	1.50
October Frost.....	1.50	October Sunshine.....	1.50
Estelle.....	1.50	Monrovia.....	1.50
Clemantine Tousef.....	1.50		
Jeanne Nonin.....	1.50	PINK	
		Dr. Enguehard.....	\$1.50
		Glory of Pacific.....	1.50

A. F. LONGREN, Satisfaction Guaranteed Desplaines, Ill.

20,000 CHRYSANTHEMUMS Roofed Cuttings Now Ready.

WHITE—Timothy Eaton, Mrs. Geo. S. Kolb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Tousef, Jeanne Nonin.	PINK—Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere.	YELLOW—Major Bonnaffon, Creme, Robert Halliday, "Baby," small yellow. \$2.00 per 100; \$15.00 per 1000. Cash with order.
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WM. SWAYNE, P. O. Box 226, Kennett Sq., Pa.

CHRYSANTHEMUMS 2 1/2 inch NOW READY

Dome, Winter Cheer, Alice Roosevelt, Mme. Rosette, Moneymaker, \$4.00 per 100; \$30.00 per 1000. STANDARD: P. Rose, Oct. Frost, Tousef, Wanemaker, both Chadwicks, both Eatons, Enguehard, Monrovia, Appleton, both Bonnaffons, Nonin, Duckham, Mrs. Duckham, etc., \$2.00 per 100; \$18.00 per 1000. Cash with order. Have on hand very many kinds not listed above. Catalogue.	NEW: Clay Frick, Hankey, Golden McArthur, white.....
--	--

HARLOWARDEN GREENHOUSES, Greenport, N. Y.

SURPLUS STOCK CHRYSANTHEMUMS

ROOTED CUTTINGS		Per 1000
Polly Rose, white.....		\$12.00
Glory of the Pacific, pink.....		12.00
Robert Halliday, yellow.....		12.00
Bergmann.....		12.00
Col. Appleton, yellow.....		12.00
Alice Byron, white.....		12.00
Bonnaffon, yellow.....		12.00
Bonnaffon, white.....		12.00
Jones, white.....		12.00
Jones, yellow.....		12.00
T. Eaton, white.....		12.00
Dr. Enguehard, pink.....		12.00
Helen Frick, pink.....		20.00
McArthur, white.....		12.00

GEORGE ATKINSON, Orange, N. J.

PLANT CULTURE

Price, - - - \$1.00.

A. T. De La Mare Ptg. & Pub. Co.

2 to 8 Duane Street, New York

60,000 GRAFTED ROSES

Chatenay, Killarney, Richmond, Liberty, La France, 3 1/2 inch pots, \$18.00 per 100.

Bride, Bridesmaid, Golden Gate, Kaiserin, 3 1/2 inch pots, \$15.00 per 100.

OWN ROOT ROSES

BRIDE, BRIDESMAID, KILLARNEY, RICHMOND, CHATENAY, 3 inch pots, \$7.00 and \$9.00 per 100.

50,000 VERBENAS, in bud and bloom, \$2.50 per 100; \$20.00 per 1000.

Good varieties of COLEUS at Verbena prices.

J. L. DILLON, Bloomsburg, Pa.

ROSES ROSES

OWN ROOTS

BRIDES	} Per 100 Per 1000	
BRIDESMAIDS		} 2 1/2 in. \$5.00 \$40.00
RICHMOND		
KILLARNEY		
GRAFTED KILLARNEYS, 2 1/2 in.	15.00 120.00	

CARNATIONS

All standard varieties, Rooted Cuttings or Pot Plants.

S. J. REUTER & SON, Inc., WESTERLY, R. I.

Strong, clean stock. Grafted Killarney, Richmond, Brides and Maids, \$12.00 per 100; \$110.00 per 1000. Own roots, Brides, Maids, Gates, Ivory, Perle, Killarney and Richmond, \$8.00 per 100; \$55.00 per 1000, all from 3 1/2 in. pots.

P. R. QUINLAN, Syracuse, N. Y.

CHRYSANTHEMUMS

For Every Purpose. A card will bring our Illustrated 1908 Catalogue.

ELMER D. SMITH & CO., Adrian, Mich.

Successors to Nathan Smith & Son.

PALMS (HOME-GROWN)

ARECA LUTESCENS		Each Per doz.	
6 in. pots, 3 plants, 24 to 36 in. high	\$1.00	\$12.00	
7 in. pots, 3 plants, 30 to 32 in. high	2.00	24.00	
8 in. pots, 3 plants, 36 to 40 in. high	3.00	36.00	
KENTIA BELMOREANA			
6 in. pots, 6 to 7 leaves, 22 to 24 in. high	1.00	12.00	
6 in. pots, 6 to 7 leaves, 24 to 26 in. high	1.25	15.00	
KENTIA FORSTERIANA			
9 in. tub, 1 plants, 4 ft. high 6.00			
COCOS WEDDELIANA			
2 1/2 in. pots, 8 to 10 in. high	.10		
2 1/2 in. pots, 10 to 12 in. high	.15		

JOSEPH HEACOCK CO., WYNCOTE, PA.

A COMPARISON OF COSTS

4680

Is the cost of a one inch advertisement in every issue of *The Florists' Exchange* for one year, 52 issues. Total circulation, 369,200.

14040

Is the cost of a three inch advertisement in every issue of *The Florists' Exchange* for one year, 52 issues. Total circulation, 369,200.

28080

Is the cost of a six inch advertisement in every issue of *The Florists' Exchange* for one year, 52 issues. Total circulation, 369,200.

\$369200

Is the cost of the *one cent stamp* required to mail 369,200 circulars, exclusive of the great additional cost of paper, printing, addressing, etc.

The advertisements in *The Florists' Exchange* are **ALWAYS** read. The circular generally goes into the waste basket, *without being read*.

Kentia Forsteriana

Made Up Plants
Fine, Clean All Stock

8 in. pots, 3-4 ft. high	\$2.00 each
10 " 4-5 "	4.00 "
10 " 5-6 "	6.00 "
12 " 5-7 "	8.00 "

HEISS - FLORIST

112 S. Main St., Dayton, O.

Dracaena Indivisa

2 in., \$3.00 per 100; 3 in., \$6.00 per 100.
LATANIAS, fine strong plants, 2 in., \$3.00; 3 in., \$6.00; 4 in., \$15.00 per 100.
KENTIA Belmoreana and Forsteriana, 4 in., 25c.; 5 in., 50c.; 75c.; 6 in., \$1.00, \$1.25, \$1.50; large plants, \$2.00, to \$35.00 each.
PHOENIX, \$2.50 to \$40.00 each.
PANDANUS Utilis, 2 1/2 in., \$3.50 per 100.

FERNS

Boston and Piersani, 4 in., 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., 75c.; 8 in., \$1.00; 9 in., \$1.50.
 Whitman, 2 1/2 in., strong, \$5.00; 4 in., \$20.00 per 100; 5 in., 50c.; 6 in., 75c.; 7 in., \$1.25, \$1.50, \$2.00; 8 in., \$2.50, \$3.00, \$3.50.
 Fine, small ferns for dishes, \$3.00 per 100; \$25.00 per 1000.

JOHN BADER Mount Troy, ALLEGHENY, PA.

STOCK YOU NEED

SALVIAS, I have raised these from seed and twice transplanted them, making strong, clean, healthy stock. Bonfire, St. Louis and Splendens, 90c. per 100; \$8.00 per 1000.
FUCHSIAS, Little Beauty, large plants, in 2 1/2 in. pots, ready for 3 in., \$3.00 per 100.
FEVERFEW, double white, large plants, out of 2 1/2 in., \$2.00 per 100.
LOBELIAS, Crystal Palace compacta, large clumps, in 2 1/2 in. pots, \$2.00 per 100.
ALYSSUM, double alyssum, strong R. C., 60c. per 100.
MME. SALLEROI, large 2 1/2 in. plants, \$2.50 per 100.
VERBENAS, large transplanted stock in separate colors, pink, blue, white, scarlet, rose and purple, 75c. per 100; \$6 per 1000.
AGERATUMS, transplanted seedlings, large plants from soil, 75c. per 100.

S. A. PINKSTONE, 20-32 Philip St., UTICA, N. Y.

Dracaena Indivisa

6 in., 7 in. and 8 in. pots, 2 1/2 feet to 4 feet high, good bushy plants. \$6.00 to \$9.00 per dozen; \$40.00 to \$60.00 per 100.

S. PENNDORF, 81 Oak St., New Rochelle, N. Y.

Dracaena Indivisa

700 GOOD STRONG PLANTS, 2 to 4 feet high, from \$1.00 to \$25.00 per dozen.

HENRY RUDOLPH Telephone, 6 Caldwell, N. J.
ESSEX FIELDS, - N. J.

English Ivy

Fine plants out of 4-in. pots, 3 and 4 feet long, bushy, 2 and 3 plants in a pot, at \$10.00 per 100.

Fine lot of **FORGET-ME-NOT**, blue, strong plants, in bud and bloom, at \$3.00 per 100. Cash with order.

CHAS. ZIMMER
 WEST COLLINGSWOOD, N. J.

Now is the time to place your orders for
BEGONIA GLOIRE DE LORRAINE, CYCLAMEN and POINSETTIAS

I am well equipped to supply the above in any quantity at the following prices:
BEGONIA GLOIRE DE LORRAINE, 2 1/2 in. pots (leaf cuttings), \$15.00 per 100; \$140.00 per 1000.
CYCLAMEN, 2 1/2 in., \$5.00; 3 in., \$7.00; 4 in., \$15.00; 5 in., \$20.00.
POINSETTIAS, 2 1/2 in., \$5.00 per 100; \$45.00 per 1000.

Satisfaction guaranteed.
S. S. SKIDELSKY
 1741 No. 18th St., PHILADELPHIA

Cyclamen Giganteum

July Seedlings, strong and healthy, ready for 2 1/2, 3 and 4 in. pots, at \$6.00, \$8.00 and \$12.00 per 100.

LEHNIG & WINNEFELD
 HACKENSACK, N. J.

LOOK HERE

Bride and Maid, fine stock, own roots, 3 in., \$5.00 per 100.

Grafted, fine stock, **Bride, Maid, Killarney**, Richmond, 3 in., \$10.00 per 100.

POINSETTIA

Stock Plants for sale, \$10.00 and \$15.00 per 100.

JAMES E. BEACH

2019 PARK AVE., BRIDGEPORT, CONN.

WE HAVE THEM BY THE THOUSAND

GERANIUMS, 4 in., in bud and bloom, \$5.00 per 100; \$15.00 per 1000. At these prices selection of sorts to remain with us.
FUCHSIAS, 1 in., \$8.00 per 100.
HELIOTROPE, 3 1/2 in., \$5.00 per 100.
AGERATUM, Stella Gurney, 2 1/2 in., \$1.00 per 100.
ALYSSUM, Carpet of Snow, fine, 2 in., \$2.00 per 100.
LOBELIA, 2 1/2 in., \$2.00 per 100.
FEVERFEW, 2 1/2 in., \$2.00 per 100; 4 in., \$5.00 per 100.
PERIWINKLE, 2 1/2 in., \$1.50 per 100; 4 in., \$5.00 per 100.
COLEUS, Rooted Cuttings. Golden Bedder and Verschaffeltii, 60c. per 100; 2 1/2 in., \$2.00 per 100.
 Cash with order.

J. E. FELTHOUSEN
 154 Van Vranken Ave., SCHENECTADY, N. Y.

ROBERT CRAIG & CO.
ROSES, PALMS, CROTONS

CARNATIONS and Novelties in **DECORATIVE PLANTS**
 Market and 49th Sts. PHILADELPHIA, PA.

Los Angeles, Cal.

The Hollywood flower show given by the Woman's Club was a great success. As a flower show pure and simple it was away ahead of any effort of the kind before attempted in this part of the State. Roses were at their best and were exhibited in great numbers—perfect specimens of their kind. Sweet peas also occupied large space. The arrangement of the exhibits was unique in that it was in banks around the walls, with several center tables, and two lily ponds—galvanized iron tanks. The banks, however, were solid, artistically arranged, and the effect strikingly spectacular.

A noticeable characteristic in the general display was the large number of potted plants, begonias and the like, contributed by over 250 parties interested in the success of the show. The professional exhibitors were Howard & Smith, Edward Rust and E. D. Sturtevant. The first named had a fine display of cut roses, Spanish and German iris, ranunculus, watsonias, and the large-flowering clematis. Because of the banking it was impossible to label the varieties without detracting from the display. Mr. Rust had gloxinias, fancy leaved caladiums, which, of course, were greenhouse grown, ferns, and a few other ornamentals, chief of which was a *Kalmia latifolia*, the first plant of the kind the writer has seen on this coast. The flowers did not have the beautiful sparkle, characteristic of those grown in the wild on the Atlantic Coast. Sturtevant's water lilies were beautiful, indeed; but the crowning glory of his display was the cut bloom of *Beaumontia grandiflora*, from the wonderfully vigorous, umbrageous vine growing on the south side of his house, exposed to full sunlight. Certainly no home should be without one of these vines where it will grow in the open as it does at Hollywood.

Mrs. John Murietta of Los Angeles showed some cut flowers of *Solanum grandiflora*. Of a beautiful golden color, with a peculiar yet delightful odor, these immense flowers, six inches in diameter, were a surprise and delight to all who saw them. This climber, for it is not a vine, is a rapid grower, deserves a better acquaintance, and a more extensive planting in Southern California.

The exhibit of fruit consisted of loquats, lemons, oranges, Cherimoya, or Anona cherimolia. Two specimens of *Ponderosa* lemon growing on one branch, weighed six pounds, kumquats, tree tomato or *Cyphomandra betacea*, pepino, or *Solanum guatemalense*, and a quantity of sweet lemons, the first of the kind that have come under my observation, were also exhibited.

The collection of wild flowers was small in comparison to that at the Pasadena show, yet it contained one plant not seen there—the beautiful *Salvia carthacea*, an annual of exquisite beauty on this coast, yet utterly worthless in the East.

To the mind of the writer, the most valuable part of the show was exhibits by the juveniles. The interest shown by the children, both in floriculture and vegetable gardening, was a revelation to all visitors, and this one feature of the exhibition was worth all the toil and labor bestowed upon it by the enthusiastic, industrious, patient women of the Woman's Club of Hollywood.

Gentlemen of the profession, wake up and take notice what it is possible to do in floriculture, if boys and girls are recognized and made to feel that they are good for something besides running errands; profit by the example set us by this noble band of women, and in the future hold no flower show without an exhibit by the juveniles.

P. D. BARNHART.

SEATTLE, WASH.—Seattle florists are discussing the possibility of holding a flower show next Fall, probably at about the same time as the horse show. The matter has not been definitely decided yet, but if the preliminary arrangements and guarantees can be satisfactorily made, the florists assert they will give the show. A flower show was held two years ago, and at that time an excellent display was made.

PLANT CULTURE PRICE \$1.00

THE BEST BOOK FOR THE PLANT GROWER.

A. T. DE LA MARE PTC. & PUB. CO. LTD., 2-8 DUANE STREET, NEW YORK

250,000 PANSIES

SUPERB STRAIN. READY NOW.

Fall Transplanted Pansies, in bud and bloom. A trial order will convince you that these are the best you have ever handled. \$1.25 per 100; \$10.00 per 1000.

GERANIUMS Fine stock in bud and bloom, from 3 1/4 inch pots, \$6.00 per 100. Cash with order.

LEONARD COUSINS, Jr., CONCORD JUNCTION, MASS.

St. Louis.

News Notes.

E. W. Guy, Belleville, Ill., spent a day in the city last week visiting the trade. Mr. Guy reports that the continued rains since May 1 have greatly interfered with business in his town. All are awaiting good weather, as they have plenty of orders ahead for planting out, which will begin with this week.

J. P. Corbitt, a plantsman of Nashville, Tenn., was in the city last week buying bedding plants, in which he is doing an extensive business. The Easter trade, he says, was the best in years.

Phil Scanlan, commissioner of public parks, will be married Tuesday, May 12, to Miss N. Tompkins. Both Mr. Scanlan and Miss Tompkins come of wealthy parents, and it will be the largest society event of the year. Mr. Scanlan is a great lover of flowers, and no doubt the floral decorations, both at the house and church, will be on a large scale.

William Bonche, the landscape gardener, who made himself famous when he built the great He-No-Tea garden in the old Exposition building some years ago, has a contract to build just such a garden in the Jai Alai building, near the World's Fair grounds. He will have the assistance of C. C. Sanders, the nurseryman, who will furnish all the shrubs, trees and plants needed to carry out the work.

Oscar Huettman and George Schriever, two of the best florist ball players, have received flattering offers to play professional ball, but refused, preferring to stick to business and play with amateur teams about the city for a while at least, as both are still very young men.

Harry Young, of the firm of C. Young and Sons Company, was doing jury duty last week. The rainy weather all week made him forget that planting-out time needed him at home. The firm is crowded with both local and shipping orders.

W. C. Smith reports that he will take a run to Milwaukee this week to visit his sister, Mrs. A. V. Hunkel, who has recovered from her second sick spell. He says he will stop over in Chicago and visit friends in the trade.

The big wind, rain and hailstorm of last week, Tuesday, May 5, was quite a scare to the local florists. Reports from the different greenhouse men indicate that very little damage was done to glass. The parks suffered somewhat, large, fine trees being blown down.

This week rain badly interfered with the work of planting out. Our local greenhouses are in good shape, with plenty of everything to begin work with, if the weather would only settle down to clear and warm.

Foraker Didn't Say D - n.

When Senator Foraker returned to his home from the Senate last Friday he found he was the recipient of a magnificent bunch of roses. Unable to understand why the florists should be showering their donations upon him, the Senator got in communication by telephone.

"How about those flowers?" he is reported to have said.

"Why; won't they do?" the store-keeper replied. "Don't you like them?"

"Like them? Sure, but why should you send them to me?"

"Well, you paid for them," the florist replied.

"Paid for them? What do you mean?"

The florist then explained that a sixteen-year-old boy appeared at the store earlier in the afternoon and ordered \$14

FINE STOCK

ASPARAGUS
Plumosus\$30.00 per 1000.
Sprengeri 15.00 per 1000.
SMILAX 15.00 per 1000.
Sample plants ten cents each.

GERANIUMS. Nutt, Perkins, Poitevine, Castellane, Ricard at \$10.00 per 1000.

ALBERT M. HERR
LANCASTER, - PENN.

BEDDING PLANTS

GERANIUMS Per 100
2000 Poitevine, 10 4 in.\$5.00
5000 S. A. Nutt, 3 1/4 in. 5.00
2000 S. A. Nutt, 3 in. 4.00
2000 Double Gen. Grant, 4 in. 5.00
2000 Double Gen. Grant, 3 in. 4.00
5000 Mine, Sallerol, 2 1/2 in. 2.50

CANNAS
5000 A. Bouvier, Queen Charlotte, Pres. McKinley, 4 in.\$5.00

PETUNIAS
5000 Dreer's strain, double and single, 3 in. \$3.00
BOSTON FERNS, 3 in., \$5.00 per 100; 6 in. \$25.00 per 100; 7 in., \$35.00 per 100.
500 VINCA Variegated, 4 in. \$6.00 per 100
500 HOLLYHOCKS, double, 2 1/2 in., \$3.00 per 100.
500 LEMON VERBENAS, 4 in., \$6.00 per 100.

Cash with order
ROBERT A. ELLIOTT, Morristown, N. J.

HYDRANGEA From 4 in. pots.
OTAKA MONSTROSA \$6.00 per 100; 5 in., \$2.00 per dozen; \$15.00 per 100; 6 in., \$20.00 per 100. A limited number of large plants, 10 in. pots, \$1.00 each; all pot grown.
CYCLAMEN P. Giganteum, Kokuka, etc., from 2 1/2 in. pots, \$3.00 per 100.
DAISIES, Queen Alexandra, 2 1/2 in. pots, \$2.00 per 100; 4 in., \$6.00 per 100; 5 in., \$1.25 per dozen; all in bud, fine stock for Decoration Day. **PANSIES,** good, transplanted stock, \$3.00 per 1000. Cash.

E. FRYER, JOHNSTOWN, PA.

POINSETTIA

STOCK PLANTS \$5.00 per hundred.
THORN HEDGE GREENHOUSES,
NEWTOWN SQUARE, DEL. CO., PA.

BEGONIA

Agatha, (Vetteh) (improvement on Gloire de Lorraine), an earlier grower, earlier flowering, of a more pleasing shade of soft satiny pink; strong young plants from leaf cuttings, now ready; \$18.00 per 100.

BEGONIA Gloire de Lorraine, strong young plants from leaf cuttings, ready for delivery early in June; \$15.00 per 100, \$140.00 per 1000.

J. A. PETERSON Metheny Ave. Cincinnati, O.

PANSIES

Giant flowering, none better, \$2.50 per 1000.
DAISIES, Bellis, in bloom, \$1.25 per 100; \$10.00 per 100. Plants that will bloom soon, \$2.50 per 1000.
Stocks, Verbenas, Salvia, Dusty Miller, Alyssum, single and double, fine plants, out of 2 1/2 in. pots, \$2.00 per 100; \$15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

worth of roses for Senator Foraker. In payment he gave a twenty-five dollar check, signed with Senator Foraker's name, and departed with the change. The Senator did not say "damn."—N. Y. Herald.

HYDRANGEAS

Fine plants, well flowered, good value in each size; from 25c. to \$4.00 each.



ARAUCARIAS

We have a specially fine lot of Araucarias—the plants at \$1.00 each are extra value for the money.

DRACAENA INDIVISA

This most useful plant is always in great demand in spring. Better secure your stock now. Fine plants in the following sizes and prices:

Per doz. Per 100
Dracaena Indivisa, 4-inch \$2.00 \$12.00
" " 5-inch 3.00 20.00
" " 6-inch 6.00 40.00
" " 7-inch 9.00
" " 8-inch 12.00

PERENNIAL CLUMPS FROM FIELD
12c. per clump except where specified.

Iris Germanica, all colors under name, 10c.
Iris Kämpferi, blue, tall, 10c.
Bachelor's Buttons, yellow, 2 feet, 10c.
Campanula, assorted.
Chrysanthemum Ughnosani, 3 feet.
Chrysanthemum Shasta Daisy.
Coreopsis Lanceolata.
Day Lily, 5 feet.
Gallardia.
Golden Glow (or Rudbeckia), Sc.
Lycalis Chalcedonia.
Lupulinum or Larkspur.
Phlox, all colors, under name.
Pentstemon assorted.
Polemonium Ceruleum (Jacob's Ladder).
Physostegia Speciosa, grand, mixed.
Yucca Filamentosa (Adam's Needle), 25c.

PERENNIALS IN POTS, ONE YEAR OLD
Per 100
Dianthus, Sweet William, 5-inch pots, \$10.00
Coreopsis Lanceolata, 5-inch pots, 8.00
Campanula, asst., 6-inch pots, 12.00

KENTIAS

Per doz.
Kentia Belmoreana, 5-in. \$7.20
" " 5-in. strong 9.00
" " 6-in. 12.00
" " 6-in. strong 15.00
" " 7-in. 18.00
" " Forsteriana, 5-in. 7.20
" " 5-in. strong 9.00
" " 6-in. 12.00
" " 6-in. strong 15.00

CYCAS REVOLUTA

1 inch 25 cents each
5 " 35 " "
6 " 50 " "
7 " 75c. "
8 " \$1.25 to \$1.50 each

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.

COBEA Scandens 4 in. pots, \$8.00 per 100.

ROSES IN POTS AND OUTDOOR

Prairie Queen, 3 to 5 feet, 15 to 35c. each.
Ramblers, Crimson, 2 feet, 15c.
Ramblers, Baby, 3 1/4-inch pots, \$0.00 per 100.
Sweet Brier, 2 to 3 feet, 10c. to 25c. each.
1 Lat Hybrid Perpetual, 5-inch, asst. varieties, pot grown, \$15.00 per 100.

MISCELLANEOUS LOT OF BULBS

Per 100
Glabellus, mixed \$1.00
Anacallis Formosissima 5.00
Zephyranthes Alba 2.00
" " Rosa 2.00
Panicum Spider Lily 5.00
Ismene Calathina, 1st size 6.00
" " 2nd size 4.00
" " bulbs 2.00
Tritoma Hybrids, asst. 1-year-old, largest size 4.00
Tritoma Hybrids, small size 2.00

The GEO. WITTBOLD CO.

1657 Buckingham Place, CHICAGO

Alternantheras Geraniums

Per 100
Red and yellow, 2 1/2 in. pots, \$2.00
CANNAS, C. Henderson and 8 other varieties, my selection, 3 in. pots, 3.50
PANSY SEED, new crop, Giant flowering, \$1.00.
CENTAUREA Gymnocarpa 2.00
SMILAX, July 10 1.25

Per 100
S. A. Nutt and 1 other varieties, 3 1/2 in. pots, \$4.00
2 1/2 in. pots, 3.50
SEEDLING PETUNIAS, from double seed 2.50
ASPARAGUS Plumosus, 2 1/2 in. pots, 2.00
ASPARAGUS Sprengeri, 2 1/2 in. pots, 2.00
PRIMROSES, 8 varieties, July 10, 2.00
Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio

ROOTED CUTTINGS PREPAID PER 100

ALTERNANTHERA, best Red and Yellow, 50c; \$4.50 per 1000 (not prepaid). FUCHSIA, five finest kinds, \$1.00. AGERATUM, Gurney and Pauline; COLEUS, best bedders, 60c; \$5.00 per 1000 (not prepaid). SALVIA Bonfire and Splendens, 85c. FUCHSIA, five finest kinds, 2 in., 1 1/2 c. each. AGERATUM, Gurney, 2 in., 1 1/2 c. each. Sweet Potato Plants, Yellow Jersey, \$2.00 per 1000.

SMILAX, from 2 1-4 in., \$2.00 per 100; \$18.00 per 1000.
SMILAX seedlings, 50c. per 100; \$4.50 per 1000.
ASPARAGUS Sprengeri, 4 in., \$6.00 per 100.
CHRYSANTHEMUMS, nice stock, from 2 1-4 in. Polly Rose, Glory of the Pacific, Ivory, Appleton, Bonaffon, \$2.50 per 100; \$22.00 per 1000.
GERANIUMS, S. A. Nutt, Grant, 3 in., \$3.50 per 100.

C. A. Peterson, 196 MAIN STREET MADISON, N. J.

FOUNDED IN 1888



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Seedsmen and the Trade in General

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THE NATIONAL FLOWER SHOW, under the auspices of the S. A. F. O. H., will be held at Chicago, November 6 to 15, 1908. William F. Kasting, Buffalo, N. Y., is chairman of the show committee.

Alex. Dickson & Sons Win Their Case.

The firm of W. Atlee Burpee & Company, Philadelphia, Pa., has received a cablegram from Mr. Burpee, who is at present in England, stating that Alex. Dickson & Sons have been granted the injunction prayed for, and costs have been put on the defendant, in the case, previously referred to in these columns, the particulars of which are as under:

The action was brought by the well-known company of nurserymen, seedsmen and rose growers, carrying on business in Newtownards, Belfast, Dublin, Blackrock, and also in Herefordshire, Eng., for an injunction restraining the defendants, who are also nurserymen, carrying on business at Woodlawn Nurseries, Dundrum, and Parliament street, Dublin, from selling roses and seeds not grown or propagated by the plaintiffs as "Dickson's Roses" or "Dickson's Seeds" or as "Dickson's Irish Roses," and from carrying on the business of nurserymen and seedsmen under the style of Alexander Dickson & Sons, or Alex. Dickson & Sons, or any style in which the name Dickson appears, without taking reasonable precautions to clearly distinguish the business carried on by the defendants from that carried on by the plaintiffs; and also for an account and inquiry as to damages.

The plaintiffs alleged that roses and seeds grown and propagated by them have been largely advertised as "Dickson's Roses" and "Dickson's Seeds," and thereby acquired a reputation for excellence in the home, colonial and foreign markets, and that roses and seeds stated to be Dickson's would be understood in the trade and by purchasers as the plaintiff company's roses and seeds; and they alleged that the defendant, Alexander Dickson, who until February last year carried on business as the Ashbourne Agricultural Company, had, for the purpose of taking advantage of the reputation of the plaintiff company's roses and seeds and appropriating their trade connection, commenced to trade under the name and style of Alexander Dickson and Sons. The defendant firm repudiated all these allegations, and denied that there was any foundation for them.

Alex. B. Scott, Sharon Hill, Pa., the introducer of several of the Dickson roses in this country, went to Ireland recently to give testimony in behalf of the plaintiff concern.

Florists and the Census.

In connection with the forthcoming census of the florist industry in America President Taft of the S. A. F. O. H. has appointed a committee to co-operate with the Census Bureau, to the end that as full and complete statistics as possible concerning the status of the commercial flower business in America may be secured. The matter was brought to the attention of the New York Florists' Club on Monday evening last by Patrick O'Mara, one of the committee, who pointed out that some of the questions propounded by the Census authorities at Washington, on the blanks distributed, were of such a nature as to make them difficult to answer by the men engaged in the trade, and he suggested that the list of inquiries be submitted to the S. A. F. O. H. committee, men familiar with the business in all its details, for revision and emendation. We hope this will be done; and when everything has been put in proper shape, we would endorse Mr. O'Mara's request that all interested make as full and complete responses to the inquiries of the Census Bureau as can possibly be made. This is imperative, if a true representation of commercial floriculture in the United States is to appear in the census records.

The value of such records is inestimable, especially when the S. A. F. O. H. or other horticultural organizations are called upon to seek legislative measures helpful to the trade, or when combatting adverse laws likely to work injury to it. As a case in point may be cited the successful endeavor of the Illinois State Florists' Association in securing from the State Legislature appropriations for the establishment of a greenhouse plant in which to conduct experiments for the treatment of diseases and the extermination of insects on stock grown under glass. This excellent and helpful concession was obtained only after the State law givers had been convinced of the great extent of commercial floriculture, the large amount of money invested in the industry in Illinois, and the necessity of some such undertaking on behalf of those engaged in the business in that State.

It is quite clear that, with respect to previous census returns connected with commercial floriculture in this country, the actual status of the industry has never been correctly recorded, mainly owing to mistaken views held by many engaged in the business concerning the use to which the data asked for and supplied were to be applied. Some thought that the information was to form a sort of basis for taxation purposes, and withheld the desired facts; other equally absurd imaginings were rife, with the consequence that many statistics were not given, thereby impairing the value of those finally recorded. It cannot be too strongly urged that the details regarding which the Census Bureau desires to be informed are for census purposes only, confidential, and in no way will be made public, except as forming part of the sum total representative of the industry in each State; and this, too, without reference to individuals or firms. There is therefore no need to withhold any of the necessary particulars sought; nor should this be done.

As showing the discrepancies that have hitherto disclosed themselves in the matter of statistics, it is on record that in 1895 the estimated number of commercial florists at that time was given as 10,000, with a total area for the country of 50,000,000 square feet of glass devoted to floricultural pursuits. Five years later, the last census year, Dr. B. T. Galloway, Chief of the Bureau of Plant Industry, who then had charge of census matters connected with the trade, estimated that there were probably not less than 9,000 commercial florists' establishments in the United States, with 22,500,000 square feet in all. These two computations, or estimates, being so widely at variance, leave us in the dark as to what the true standing of the industry really was at the period named, and the later figures are apt to incline the reader to the mistaken conception that there has been retrogression instead of progress.

What is now wanted, and will be forthcoming if all concerned will but give the matter the necessary attention, is a census record, reflecting the actual status of commercial floriculture in these United States, regarding the reliability and correctness of which there can not be even the shadow of a doubt.

A note from Richard Vincent, Jr., White Marsh, Md., dated May 1, announces his safe arrival in Paris, France. He expects to reach England by the end of the week. Mr. Vincent says he visited the nursery of M. Briant at Poitiers, but not many of that gentleman's specialties were then in bloom, the season being at least two weeks late.

OUR READERS' VIEWS

Plant Registration by the S. A. F. O. H.

Editor Florists' Exchange:

So much matter has been published of late upon this subject, so much sharp criticism made, and so many have evidently failed to appreciate the purpose of plant registration that it seems desirable that the position of the society upon this point, as understood by its officers, should be made plain.

Many of the recent writers seem to confuse the registration of a name with a certificate of merit. The writer's idea of the matter is that the act of registry has to do mainly with the ownership of the name, and in this connection the value of the plant is of no importance.

The registry of a name is an announcement to the public that a certain person has selected that name for a variety of some class of plants, and equitably vests the ownership of that name in the person registering it, always provided that some other person has not previously selected the same name for a variety of plant of the same class. The value of the plant to which he proposes to apply the name does not enter into the proposition at all. The publication of an application for registry is notice to the public at large, and the main purpose of making such publication is to cause any one having knowledge that the same name had previously been used for a variety of the same class of plants, to make that fact known.

The duplication of names, the writer ventures to assert, has been in ninety-nine cases out of one hundred, a matter of oversight or error and not an intentional deception, and while there have been many cases, since the society first started to register varieties, in which application has been made to register a name previously used for another plant of the same class, the writer does not believe that there has been a single instance in which, when the facts were brought out by the publication of the application, the duplicate name has not been promptly withdrawn and never subsequently made use of by the originator in any way. Everyone will recall numerous instances of this kind during the past few years.

We are not, of course, at this time discussing plant names from the point of euphony or utility. Setting this question aside, the only matters in which the horticulturist is interested regarding the name of a plant is, first, that it shall not be a name which has previously been applied to another variety of the same class; second, that it shall not be a new name applied to a plant which has previously been given another name. The present system of registry which should comprise a scrutiny of names previously registered by this society and a publication in all the trade papers, followed by a publication in the annual report of the society, would seem to be about as far as it is feasible to go in guarding against the first error and has, the writer believes, proved very efficacious so far.

When the time comes that the society has ample funds at hand, has greenhouses of sufficient extent and growing grounds to supplement them, and has in its employ and under its control a corps of expert growers and plantmen and a large collection of growing specimens, as well as a complete herbarium, it will then be in position to investigate matters pertaining to the identity of plants with a reasonable possibility of certainty in the results; but to undertake such investigations, attempt to do such work and assume to pronounce authoritatively upon such subjects now, it will inevitably be led into error, its work will be discredited and more harm will be done in the long run than any possible good which may be accomplished.

The publications of these applications for registry has brought cases of renaming to light in the past and will do so in the future. It is, of course, desirable and is the intent of the society to require full information as to the origin of plants for which registry application is made, and to require a reasonable description of the same, so there are not likely to be many cases in which a second use of the same name will escape the sharp eyes of the many shrewd plantmen who read the trade papers.

While registry is made after waiting a reasonable interval subsequent to publication, yet there is nothing to prevent complaints being filed at a later date, and while the writer is inclined to think that a registry once made and entered must stand unless properly withdrawn, yet in case of a proved error in which the person making the registry refuses to withdraw it, it would be the duty of the secretary to make public in the press and to print in the annual volume in connection with the registry, a full statement of the facts.

It is accepted in all matters of plant naming that priority of publication establishes the name. Registry by the S. A. F. O. H. fixes and records the date at which each name is selected, provides a way to settle authoritatively

May 16, 1908

disputes in subsequent years, and gives notice to all persons subsequently desiring to name plants of the same class, that the name in question has been used and is to be avoided.

The foregoing sets forth as far as the writer understands it, the present intent of plant registry by this society. Further than this under present conditions, it does not seem either feasible or desirable to go. The submission of all applications for registry to the nomenclature committee has been suggested. It might be well to state that the society at the present time has no nomenclature committee, and it would seem a matter of great difficulty to get a committee of this kind, which would have to consist of men of great knowledge and be provided with facilities for growing, comparing and testing varieties. It would seem, I repeat, a matter of great difficulty to get such a committee, who would undertake and carry out the vast amount of work which it has been suggested should be loaded upon their shoulders, as they could be given no adequate compensation for their services.

Another question would be the long delay which would occur before any plant could be registered, and also the hostility of the introducers which would surely follow any attempt to put burdensome restrictions upon them.

It should be made easy to register plant names instead of difficult.

W. N. RHOE,
Secretary.

The Carnation Situation.

Editor Florists' Exchange:

In that part of Edwin Lonsdale's letter in your last week's issue, which relates to carnations, he takes for his text the following words: "The surplus of carnation flowers is bothering the growers thereof quite a good deal." From this text he proceeds to expatiate very interestingly, although not very practically, on ways and means for disposing of said surplus. Mr. Lonsdale takes it for granted that "overproduction" is the cause of the surplus, and I guess he is right in thinking so. There is, in the neighborhood of New York City, at least 50 per cent. more glass devoted to carnation growing to-day than there was a year ago; many carnation growers added a house or two to their plant, while some doubled their area. Many florists who hitherto have been specialists in other lines have turned part of their places into carnation houses, and several large establishments which never produced a carnation before are this year altogether devoted to them. The great demand for carnations and the good prices realized for them last year is no doubt the cause of this. It is to be hoped that those gentlemen who "budded in" will return to their first love; the depressed condition of the carnation market this Winter must have given them the hint that they are on the wrong track.

Mr. Lonsdale suggests "closer relations" between the grower and the retailer, but I am not so sure that the retailer wants any closer relations. He seems to be quite well satisfied with things as they are. He can buy carnations at his own price; the "science of floriculture" does not seem to appeal to him in any noticeable way; the science of buying cheap and selling dear seems to be his strong point and probably has something to do with the curtailed demand for cut flowers of all kinds at the present time.

I don't think the time will ever come when the grower who makes a specialty of carnations, or any other flower, on a large scale will find it either profitable or "advantageous" to advertise his products for the purpose of selling them at retail prices. It would certainly look funny to find Mr. Ward or Mr. Daillouze, with their thousands of square feet of glass devoted to carnation culture, packing a dozen flowers to send to Mongaup or any other "remote" part of the country. I don't think they would reduce their "surplus" to any marked degree by those methods.

I have seen several "slumps" like the present during the last thirty years, but things always seemed to right themselves, and I have no doubt they will do so in the present instance. Those who can't stand it will have to succumb, and the fittest will survive as usual.

JOHN BURNIE.

The Tulip Trouble.

Editor Florists' Exchange:

Your correspondent, Mr. Lonsdale, reports a failure of tulip bulbs to come up to expectations. The cause seems to be an open question. I may, however, state that Girard College is not the only place that has met with disappointment in this respect, as I know of others that have had a similar experience, and have been told of tulip beds that hitherto have not failed, but have done so this year, no doubt from the same cause as Mr. Lonsdale complains of. My advice is, Plant the May-flowering tulips; they are gorgeous in their beauty. The florist who has not a display of these tulips has missed sales for Fall planting.

STRAW HAT.

Officers of N. Y. Cut Flower Exchange.

JOHN DONALDSON, the newly elected president of the New York Cut Flower Exchange, was born near Banff, Scotland, on July 12, 1855, where his father was a farmer. John attended school until he was ten years of age, when he went to work on the farm, remaining there till he reached the age of 18, when he was apprenticed as a gardener at Duff House, the seat of the Earl of Fife, in the neighborhood of his home, where Joseph Mackie was then head gardener. Here Mr. Donaldson remained three years, after which he went to Edinburgh, the capital of Scotland, to Downie, Laird and Laing. Subsequently he worked at Vogrie House, near Edinburgh, as journeyman gardener, going from there to Cowick Park in Yorkshire, England, where he was employed as foreman gardener for two years. Here fruit under glass was made a specialty. John then journeyed to London, and after working for a short period in Veitch's nurseries at Chelsea, returned to Yorkshire, this time to Hutton Hall, the estate of Sir Joseph

Victor S. DORVAL, born in Woodside, L. I., on June 18, 1876. He is the son of the late Victor Dorval, a well-known New York plant-man. The young man started to work for his father at the age of 11, and also sold the cut flowers for him until August, 1905, when his brother and himself rented the greenhouses from their father. Victor became a director of the Cut Flower Exchange in 1903, and succeeded John Donaldson as secretary in 1905, to which position he was re-elected May 2, 1908.

Horticultural Society of New York.

The annual meeting of this society was held at the New York Botanical Garden on Wednesday and Thursday, May 13 and 14, 1908. The election of officers resulted as follows: President, James Wood, vice presidents, J. Crosby Brown, Dr. Hexamer, G. T. Powell, Spencer Trask and Samuel Thorne; secretary, Leonard Barron; treasurer, F. R. Newbold. Members of Council: C. L. Allen, F. W. Bruggenhof, J. W. Cromwell, C. F. Dieterich, T. A. Havenmeyer, E. S. Miller, John E. Lager, E. H. Rochrs, Julius Rochrs, F. L. Atkins, G. V. Nash, N. L. Britton, W. Nilsson, Patrick O'Mara, C. B. Weathered, H. A. Siebrecht, Joseph A. Manda, J. H. Troy, P. R. Pierson, C. W. Ward and A. L. Willis.



Victor S. Dorval,
Secretary.

P. Einsmann,
Treasurer.

John Donaldson,
President.

Officers-Elect New York Cut Flower Exchange.

Pense, where James McIndoe was head gardener, one of the finest places in the north of England. After three years Mr. Donaldson again went to London and secured employment in the horticultural department of the Zoological Gardens, remaining in that position for a couple of years, when he set sail for the United States. His first work in his adopted country was done for the late William C. Wilson of Astoria, L. I.; then with T. B. Hyatt at Winfield, L. I., where he remained six years, leaving to start in business for himself, 19 years ago, at Newtown, now Elmhurst, L. I.

Mr. Donaldson grows principally cut flowers for the New York market, disposing of them at the Cut Flower Exchange.

In 1887 he married Miss Hendry of Port Gordon, Banffshire, Scotland, and has one son and daughter. Alex., the boy, assists his father in the greenhouse business, and recently took unto himself a life partner.

Mr. Donaldson is a member of the New York Florists' Club and of the S. A. F. O. H., being a regular attendant at the meetings of both bodies. He was for many years secretary of the Cut Flower Exchange, with which he has been connected since its inception, being one of the original promoters. He is a genial, typical Scot, and is well liked by all his friends and associates.

PHILIP EINSMANN, Astoria, L. I., the treasurer of the Cut Flower Exchange, is a native of Germany. He served an apprenticeship as gardener in the Royal Gardens of Hesse-Darmstadt. Coming to America in 1890, Mr. Einsmann secured employment with the then firm of Siebrecht & Wadley, New Rochelle, N. Y. From there he went to the now defunct firm of Pitcher & Manda, Short Hills, N. J., and subsequently was in the employ of H. D. Darlington, Flushing, N. Y. In 1895 Mr. Einsmann started in business at Astoria, L. I., leasing the plant of Mrs. Lischke, which he later purchased, in 1904. The whole establishment has since been remodeled. Mr. Einsmann grows plants and cut flowers, making a specialty of Easter stock, besides decorative plants for the Winter market. In the cut flower line his efforts are mostly confined to the raising of bulbous stock, on account of his surroundings.

Mr. Einsmann and his better half do not believe in race suicide; and though but 36 years old, he is the proud father of six boys and two girls, which he regards as an enviable record.

At the annual exhibition there was a magnificent display of orchids, the principal exhibitors being Julius Rochrs Co., W. A. Manda, Siebrecht & Sons, J. Manda, Lager & Hurrell, C. T. Koebling, J. T. Butterworth and Ordonez Brothers. The gold medal of the society was awarded to Mr. Butterworth for Cattleya Mossiae "Mrs. Butterworth." Fuller particulars will be given in next week's issue.



Thomas Green.

Thomas Green, 87 years old, for thirty-one years a resident of Joplin, Mo., died at his home, 2127 Ivy street, on May 3, 1908. For years Mr. Green owned the only florist establishment in Joplin, on the corner of Third street and Byers avenue. The greenhouse since has been razed. He was born in Manchester, England, in 1821, and received his education in that country. In 1867, following the close of the Civil War, he came to the United States.

Shortly before coming to America Mr. Green married Miss Caroline Hathaway Taylor, on the Isle of Man. Miss Taylor was a relative of Shakespeare's wife and a relative of Benjamin Hathaway. Ten years later he came to Joplin. In the early pioneer days he purchased property in what is now the western residence district of Joplin. A few years later he started his flower gardens, and as these prospered opened a greenhouse, in which he raised early vegetables. Before many years had passed the greenhouses extended over the entire half block between Second and Third streets on Byers avenue. Here Mr. Green lived until five years ago, when he sold the establishment and erected a home in South Joplin.

Mr. Green was well educated and possessed of a personality which won him many friends. He had been sick but about three weeks. Old age was assigned as the cause of his death.

His first wife died about ten years ago; he married again and his second wife survives him.

AMONG THE GROWERS

Peter Reinberg, Chicago.

A short journey on the Northwestern Elevated Railroad in Chicago to Robey street station, and a car ride of a few minutes in a northerly direction will land a visitor at the entrance to the largest greenhouse establishment in America, if not in the world—that of Peter Reinberg. Time usually precludes a bench by bench inspection of such an enormous plant, even if one were disposed to undertake the walking necessary, which would entail a trip of several miles. The establishment is in practically five sections and includes upward of 120 greenhouses, nearly all 250 feet long.

Beginning at the north end of the greenhouse area a section of four large houses with three smaller houses is seen, the whole devoted to *Asparagus plumosus*. Adjoining is a large house filled with carnation cuttings and chrysanthemum stock. A southerly course next takes one into the carnation range, which consists of seven large houses. The varieties benched are Beacon, Robert Craig, Mrs. T. W. Lawson, White Lawson, Winsor, Enchantress, White Perfection, White Enchantress, and Rose Pink Enchantress. The latter appears to do very well here, and is a favorite. Mrs. T. W. Lawson shows up rather better than it can be seen in many other establishments; but the benches of all varieties show, naturally, at this time the effects of the recent heavy crop, and the demands of the propagating benches. Eleven houses devoted to American Beauty roses follow on from the carnation range. Several of the benches carry a quantity of young stock.

Rebuilding of benches and planting of young stock has kept the hands pretty busy in this range of late.

A nine house section is devoted to Killarney, Kate Moulton and Mrs. Marshall Field roses. Five of these houses alone are devoted to the latter. The benches present a very fine appearance at this time, the varieties being well in crop.

Next come several houses filled with Bride roses, all the plants in tip-top condition. Carnation cuttings, potted rose stock and young chrysanthemum stock fill eight more houses. The rose stock, of which a large portion is to be offered in the plant market,



Rose Mrs. Marshall Field.

Grower, Peter Reinberg, Chicago.

is very fine, the plants being well rooted, and showing a sturdy growth. A house filled with plants in 2-inch to 4-inch pots, is particularly attractive. Ivory, Mme. Abel Chatenay, Uncle John, and Bridesmaid are grown in large numbers, upward of 25 houses making a grand showing. Richmond is well liked here, 14 houses being given up to it entirely; nine of these houses are in one range and all are in crop. A range of five houses is planted with young stocks, and should prove quite a feature of the establishment about Thanksgiving time.

A block of 21 houses on the West side makes a fine display. Three houses of Bride are in grand cutting condition, many stems touching 9 foot gutters being visible. One of the houses of Bride planted last June from 3-inch pots is particularly interesting and is yielding heavily. Mrs. Marshall Field occupies one of these houses also, and a good idea of its commercial advantages can be obtained in this house. On many of the plants may be counted twelve or more flowering shoots. The house was planted two years ago from 3-inch pots, and the average cut by the Christmas after planting was more than thirty flowers to the plant. This section also includes three houses benched with Bridesmaid, three with Uncle John, which is done excellently here, and ten with American Beauty.

A section of seven houses, on "The Farm," about two miles from the main establishment, is devoted to carnations. This section is to be added to considerably in the near future. The establishment, as far as the growing end is concerned, is in charge of George Collins. All the cut stock is sent in by wagons to the wholesale store at 51 Wabash avenue, which is in charge of Leonard Kill, who is ably assisted by Archie Spencer, and a force of salesmen.



Withhold Watering Device in Operation upon a Side Bench. The Showering Effect is Plainly Seen in the Photograph.

At Peter Reinberg's, Chicago.

GYPHUM FOR WATER LILIES.—For several years we have been using a liberal top-dressing of gypsum (land plaster) to our beds and boxes of lilies and lotus. It is applied to the surface of the soil after the annual overhauling of the pond in Spring, and while it is empty of water. It is used in addition to the other fertilizers and is believed to have a beneficial effect upon the growth of the plants; also to assist in keeping the water clear, and free from green scum (confervae) during the Summer. If these confervae persist in appearing an extremely weak solution of sulphate of copper may be applied to the water with a syringe.—E. D. SUDRANT, Hollywood, Cal.

SLAWED AS A FERTILIZER.—In Jersey, seaweed, or "wraic," is used as a fertilizer, and it is applied either fresh or dried, being scattered as a top dressing over the grass to sweeten the pasturage, or worked into the ground for potato culture. It is valuable for the nitrogen and potash it contains, and also acts mechanically by attracting moisture, an advantage on light, open soils, but a decided disadvantage on cold, heavy land.

The Most Useful of the Cattleyas.

Prepared and Read by George E. McClure, before the Buffalo (N. Y.) Florists' Club, Tuesday, May 5, 1908.

When the lay mind contemplates an orchid, a cattleya is what comes before his mental vision. In fact, we might say that the cattleya is the type of an orchid, not in a botanical sense, but as far as the public is concerned. Fully nine-tenths of the orchids sold in this country are cattleyas, and the genus *Cattleya* will always hold first place as the most showy and useful of the family.

Among the 10,000 representatives of the natural order, Orchidaceae, there are few to surpass the cattleyas in beauty. The genus *Laelia* comes nearest to the cattleyas in point of beauty and usefulness; in fact, the uninitiated cannot discern between the two. The chief difference is an obscure botanical one. The cattleya has four tiny pollen masses, while the *laelia* has eight. This may be said to be the sole difference.

Cattleyas are divided into two fairly distinct classes, and although these classes are being bridged by incessant hybridization, yet in the majority of cases they are fairly distinct.

The first is the monophyllous, or one-leaved class, which is restricted solely to what is known as the labiate, or large-lipped section of cattleyas, of which *C. labiata* is the type. Until quite recently this species was considered to be the sole representative of this group, and the other large-lipped forms as varieties and sub-varieties. Now all of these varieties are considered to be good species, which make the labiate, or more properly speaking, monophyllous section of cattleyas quite formidable in point of numbers.

The other is the diphyllous, or two-leaved class, which includes a large number of species, chiefly characterized by smaller, more numerous and in some cases more fleshy flowers. The diphyllous cattleyas are not nearly as well known to the public as are the monophyllous or large-flowered forms, because they are not as showy and attractive, but some of the gems of the genus are to be found in the two-leaved class.

The cattleya is an American orchid found growing from Mexico to South Brazil. Nearly all of the monophyllous cattleyas are natives of northern South America, while the diphyllous cattleyas are chiefly from South Brazil.

A Mistaken Belief.

The idea generally prevails that cattleyas, and in fact all orchids are difficult to cultivate. This idea is entirely without foundation, being induced by the common belief that there is something uncanny or mysterious about orchids. The cattleya, or orchid, is a very natural plant and will respond to natural treatment as readily as most of our common plants. While it would be a mistake to say that the culture of a great many varieties in the same greenhouse would be easily accomplished, yet a little study and observation would enable any enthusiastic amateur to secure excellent results with the well-known cattleyas.

Greenhouses specially built for cattleyas are not necessary; any light greenhouse, which is not too high, will prove suitable. The plants need not occupy valuable space on the benches, but may be suspended from the roofs of greenhouses devoted to a mixed collection of plants, when a temperature of from 60 to 65 degrees Fahr. is maintained, and in this way will prove an acceptable by-product.

The plants should never be more than four feet from the glass, and less than that is better. The only objection to the system of suspending cattleyas lies in the fact that they are often neglected and become too dry or too wet, at least when suspended high enough to be out of easy reach. Whenever bench room can be afforded it is well to raise the plants in this manner, as better oversight can be had over them. When the bench system is pursued, there should be a raised, or secondary bench placed upon the regular greenhouse bench. This bench should be made of wooden slats, from one and one-half to two inches wide, and from one-half to three-fourths of an inch thick. These slats should be made into frames four to six feet long, so as to be easily removed for the purpose of cleaning the lower bench. The upper or slat bench should be raised about eight inches above the lower, on wooden or iron uprights. The uprights should stand in shallow pans of water to prevent snails or woodlice reaching the plants. A layer of moss or fine gravel should be spread over the lower bench, which should be kept damp to insure a moist atmosphere, which is absolutely essential to the health of the plants.

As Window Plants.

Cattleyas cannot be successfully cultivated as window plants, no matter how bright the window may be, as the atmosphere in the living room is too dry. If the window is encased, after the fashion of a Wardian case, and if sufficient light is afforded, a fair degree of success may be obtained. This is a common practice in Eng-

land, for the raising of cool orchids, and it would be worthy of a fair trial in this country for the culture of cattleyas, as our Summers are hot enough to grow the cattleyas without artificial heat. Any little greenhouse, heated by steam or hot water, could be utilized for cattleyas. A greenhouse heated by a flue would be of no value, because of the dessicated atmosphere which is the inevitable result of this system of heating.

Proper Structures.

If a greenhouse is to be built for the express purpose of raising cattleyas, it should be designed to be as low as possible, and wherever, if the greenhouse is narrow and built to accommodate two stages, the direction in which built is of no consequence; but if the house is high, with three stages and two walks, it should, if possible, run north and south, so that both sides have the benefit of equal light in the Winter, which is very essential. The central bench in a three-bench house is usually broad and should be raised in the middle for economy of space. The raising of the plants in the center stage would shade one half of the plants in the Winter, if the house ran east and west.

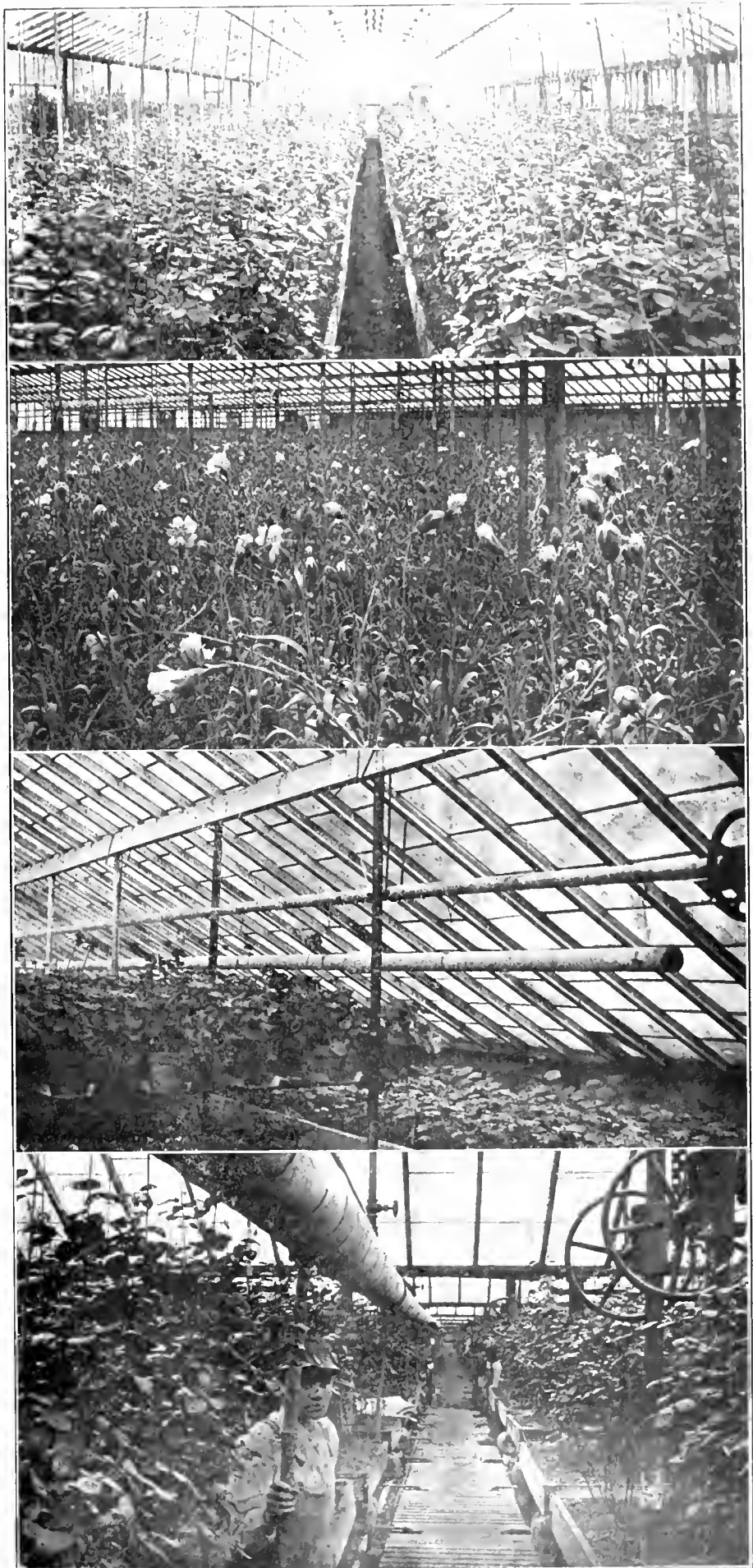
Shading.

The matter of shading is an important one. With a small collection, in a small greenhouse, lath frames could be made about the size of hotbed sash, or just large enough to reach from the ridge of the house to the eaves. The rough laths of the plasterers could be used, if strict economy is desired, otherwise, planed lumber would be more desirable, as it could be painted and be more sightly and durable. The laths should be spaced according to their width; there should be as much light as shadow. Laths wider than one and a half inch should not be used. The frames should be merely laid on the glass but not fixed to the house, as they should be removed in the evening and on all dull days. During the early Spring when such a shade would be too heavy, a temporary shade may be secured by spraying the glass with a lime wash to which a little salt has been added. This shading can be easily removed with a hose, when the lath shading is to be used. No shade should be used in the dull Winter months. When cattleyas are extensively raised, the best shading is obtained by the use of large wooden shades fixed to the roof and made to work after the fashion of the Venetian blind, from the ridge of the house to the eaves. The slats in this should not meet. When closed there should be a space one-quarter of the width of the slat, between each slat. The slats should be not more than two inches wide. Each slat should be attached to a wooden rod, which can be manipulated from the ground. This rod can be so regulated as to admit almost any degree of light required. In dull weather, the only light obstruction is the width of the slat, about one-quarter of an inch. This is a labor-saving device and is far ahead of any shade which cannot be controlled, such as paint or whitewash. The Venetian blind can be made to order at any planing mill at moderate cost, and if properly cared for, painted and stored each Winter, will last many years. This shade is also an insurance against hail.

Culture.

The failure which so often attends the raising of cattleyas is nearly always due to ignorance of the conditions under which the plants grow in a state of nature. Every one knows that there is a wet and dry season in the tropics and many believe that the dry season is more rigorous than it really is. Although the rains cease, the condensing of the moisture in the humid atmosphere of the tropics results in a heavy dew, which sustains plant life during the resting season. This condition is quite different from that of a greenhouse in the Winter, where excessive firing dries up the atmospheric moisture and causes the pseudo-bulbs to shrivel and the plant to lose its vitality. The pseudo-bulbs should never be allowed to shrivel. Water should be given occasionally during the resting season and the plants should be syringed lightly on all bright days. The resting season of the cattleya begins after the flowering period, or after the growth is matured, at which time the temperature should be kept several degrees lower if possible. Retard the growth of the plants as much as possible, and when the new growth appears at the base of the pseudo-bulbs begin to water well and increase the temperature. As the new growths increase in length, water should be given in increasing quantity, but it is well to bear in mind that ten times as much water should be sprinkled over the benches, walks, and under the stages, to create a moist atmosphere, as is given to the plants directly. Abundance of fresh air should be afforded, but the plants should never be subjected to draughts.

As a rule cattleyas should be repotted every two years, and top-dressed every alternate year. The best material for this purpose is orchid peat, osmunda fiber (the roots of the royal fern). It is well to insist on getting young peat from your dealer. It should be of a brownish color. When the peat is old it is very wiry and black and is not suitable. No other potting material is needed for cattleyas. The majority of orchid raisers use a mixture of peat and sphagnum moss, but the moss soon



House of Ross, Mrs. Marshall Field.
 Part of Carnation Room.
 The Wittbold Watering Device, Spraying a Center Bench, S. E. Flower Co.
 Partial View of Richmond Rose, R. A. C.

At Peter Reinberg's, Chicago.

decays and causes the roots to rot, especially when the watering is done in a careless manner. Sphagnum may be used with peat when the latter is very old and waxy. The advantage in using peat is that it does not decay as rapidly as other materials. Before using the peat it should be chopped with an axe or hay cutter. It should not be chopped very fine and the fine particles should not be thrown away, but should be mixed with the rough, open parts of the peat.

Proper Receptacles.

Although cattleyas are strictly epiphytic in a state of nature, yet, under cultivation, they grow better in pots than on either blocks or in baskets. Baskets are useful and are preferred by some, but the system of mounting cattleyas on blocks or cork bark is very injurious and will ultimately kill the plants. No matter how strong the plants may have been, nor how well they may have succeeded for the first year or two, they will soon dwindle away and die.

Mount the plants in half pots, or what are known as azalea pots. Make the hole in the bottom at least twice as large as the potter has made it and cover it with one large crock, no more. The old system of using a high pot and filling it up with small crocks, merely furnishes a safe retreat for cockroaches, snails and woodlice, the principle enemies of cattleyas. Set the stems of the plants well above the rim of the pot, and ram the peat firmly around the roots. Test the firmness of the potting by holding the potted plant up by the leaves. It should not disturb the plant.

growth is the first indication of the larval presence, and the affected growths must be sacrificed. Latent eyes or buds will start, but will not be as strong as the first growths. The judicious use of hydrocyanic acid gas should control this pest.

Next to the cattleya fly, the cockroach is the most injurious insect enemy. It destroys the flower buds and tender root tips. They may be destroyed by a mixture of corn meal and Paris green placed on the benches, or between the pots. They may also be trapped in wide-mouthed bottles containing a little sweet oil.

Thrips are also very injurious to the young growths of cattleyas. Their presence is made known by the brownish appearance of the young growths. The trained eye may detect their presence before much damage has been done. The discoloration is the after effect of the injury done. To eradicate thrips, spray with nicotine or some other tobacco extract. A good plan is to spray the heating pipes with a very strong solution of the same.

Red spider is sometimes bothersome, but it can be kept in check by proper syringing.

Snails and woodlice are also injurious, but can be trapped with hollowed potatoes set between the pots, or with lettuce or cabbage leaves.

If it is possible to do so, it is well to empty the greenhouse each year for a few days, for the purpose of painting, etc. At this time the house may be fumigated with a double strength of hydrocyanic acid gas to kill all insects. (For instructions in the use of this gas, see Bulletin No. 27, Department of Entomology.) If

The next cattleya of importance, in the order of their flowering, is *C. Mossia*, a Venezuelan species, which is in its prime from April to May. It is a very prolific bloomer and for this reason it does not last long in cultivation, but with ordinary treatment, it will last long enough to amply repay all care and expenditure.

C. maxima, a very distinct plant from Ecuador, blooms at various times during the Winter months. Its lilac flowers and lip lined with purple are very freely produced. It is of easy culture and should find a place in every collection.

C. Mendelii blooms from the end of April to early June and is an excellent orchid, though seldom offered in quantity.

C. Warneri, a fine species from South Brazil, blooms during May and June. This species has been called a geographical form of *C. labiata*, as it is almost identical in color and markings. It differs only in time of flowering, as *C. labiata* blooms in the Fall.

C. citrina, which also blooms during May and June, is a most distinct cattleya, commonly called the tulip orchid from the fact that its three petals, which form the outer envelope of the flowers, and the two petals, which form part of the second series of three, never open as fully as they do in the other cattleyas, and in this way they resemble yellow tulips. The flowers are lemon yellow and the crest of the lip is white. It has a strong odor of citron, hence the specific name. The whole plant has a pendant habit and can never be raised any other way. Its foliage and pseudo-bulbs are glaucous. It is a native of the high altitudes of Mexico.



Conservatory of W. W. Seekins, Duluth, Minn., Easter, 1908.

The potting should take place just before the new growth commences, and while the roots are fairly dry. After the plants have been potted, water should be withheld for several days in order to allow the injured roots to heal. Water sparingly at first.

In topdressing the plants, remove as much of the old peat as possible without injuring the roots, and work a good coating of finely chopped peat over the surface.

Fertilizers.

Manurial fertilizers for cattleyas should be studiously avoided, especially when sphagnum moss has been used with the potting material, as it causes too rapid decomposition with the consequent decay of roots. However, with the system here advocated it is well to use what is known as the "Cookson formula" which is as follows: 3 oz. potassium nitrate; 2 oz. ammonium phosphate, dissolved in 3 gallons of water. Use one liquid oz. of this solution to every gallon of water applied. If this fertilizer is used once each week during the growing season, the plants will be much benefited.

Enemies.

The chief enemies of cattleyas are insects. The cattleya fly is unquestionably the most injurious of these enemies. It is a small insect and deposits its eggs in the young growths of the cattleya plant; as the growths develop the eggs hatch out and the larvae feed on the developing growth, which is soon arrested and stunted. The fly then emerges and proceeds to deposit eggs in other growths. An abnormal swelling of the young

the insects are very troublesome, hydrocyanic acid gas may be used in safe quantities while the plants are in the house.

Cattleyas are sometimes injured by what is known as black spot. This is invariably caused by too much shade, overwatering, or by syringing too late in the afternoon. The foliage of the plants should be dry before evening. However, syringing should be indulged in every bright day to prevent insects from getting a foothold. Give plenty of ventilation whenever possible and there will be little danger from black spot.

The Best Kinds for a Succession of Blooms.

By a careful selection of species and varieties a constant succession of bloom may be maintained. The excellent lasting qualities of the cattleya flowers enable one species to remain in bloom until another begins. The first cattleya of the year to bloom is *C. Trianae*, and its varieties. It is a native of the United States of Colombia and is pre-eminently the best in the genus. It has many distinct varieties, which range from pure white to rose purple. *C. Trianae* begins to bloom in early January and lasts until March. *C. Schroderae*, which resembles *C. Trianae* in size of bloom and habit of growth, is sometimes referred to as a variety of *C. Trianae*. It is lighter in color than *Trianae* and blooms a little later. It is also a native of Colombia and is invaluable, as it is the only cattleya obtainable in quantity, to succeed *C. Trianae* in time of flowering. It blooms from March to April.

and it cannot be raised with a high degree of success unless it is given the shelter of a cool house. The price of this interesting orchid is very low and one or two plants can be raised in the coldest part of the cattleya house during the Winter, and hung under a tree in a moist place during the Summer. In this way it may be kept in health for several years. The fleshy flowers last a long time and one blossom will perfume an entire greenhouse.

During the months of June and July, a number of fine cattleyas bloom. One of the best of these is *C. Warscewiczii*, and its variety *Sanderiana*, commonly called *C. gigas*. It is a native of Venezuela and produces more flowers to the spike than any other of the large lipped cattleyas. The flowers are large and beautifully marked. It is easily recognized by the two yellow eyes or blotches at the base of the labellum. This species should have a very decided period of rest in order to produce flowers in quantity.

C. Hardyana, one of the most valuable of the cattleyas, also blooms during June and July, and is a natural hybrid between *C. Warscewiczii Sanderiana* and *C. Dowiana aurea*, and is of course found in the same localities as the parents, but in limited quantities, and for this reason and its beauty it is highly prized.

Another fine cattleya which blooms during June and July is *C. Dowiana* and its variety *aurea*. The species is from Costa Rica and the variety is from Colombia and it usually blooms a little later than the species. The two forms are very much alike. The petals and sepals are unken yellow, and the lip is very large,

crimson purple and beautifully lined with gold. They are more expensive than most of the cattleyas, but furnish a pleasing break to the prevailing pink and purple shades of the other cattleyas, and may be grown in the coolest part of the East Indian house or possibly in the warmest corner of the cattleya house, as they require a higher temperature than the other cattleyas.

A very fine cattleya of the diphyllous section, from Guatemala, *C. Skinneri*, appears in June and July and sometimes a little earlier. Its purple flowers are produced in great abundance and as the plant is very cheap and beautiful, it is a welcome addition to every collection.

Another cattleya of the two-leaved section blooms during June and July—*C. Schilleriana*. It is a little gem from South Brazil. Its flowers are fleshy and lasting, and are of a dull purplish hue with a little pink in the lip.

C. Eldorado is a beautiful Brazilian species and, as its name suggests, has considerable yellow in the lip. It blooms during July and August.

One of the cattleyas of the first rank blooms during August and September—*C. Gaskelliana*—and it is from Venezuela. Its petals are narrower than those of most of the large-flowered cattleyas, but its lip is large and beautiful. It might be called the best Summer-flowering cattleya.

During these months, August and September, *C. granulosa* also blooms. It is a Guatemalan species, and is very distinct; its fleshy flowers are characteristic of the two-leaved section to which it belongs. Its lip is very striking, white with small purple papillae. Its sepals and petals are yellowish green and the flowers remain in good condition for over one month.

In the month of October, the well-known *C. Loddigesii* and its variety *Harrisoniana* appear. They are almost alike, belong to the two-leaved class and are natives of Brazil. Their pink and white flowers are borne

How to Buy.

The best way to purchase cattleyas, if for a large collection, is by the case, just imported. In this way many fine varieties are secured, including the white and albino forms. When only a few plants are wanted, it is best to buy some unestablished plants from reputable dealers, and in this way there is a chance of getting some exceptional varieties. After the plants have once flowered with the dealer, he is able to select the fine forms, to sell at high prices to those who are eager to secure the best that the market can afford, and for this reason the unestablished plants are most desirable.

The heavy shipments of cattleyas from the tropics during the past few years, and the limitation of the natural supply, will soon cause the price to advance, and as the demand for cattleyas is increasing greatly each year, we may expect the price to advance at almost any time. However, there need be no very great concern for the cattleya supply of the future. Cattleyas are being raised from seed extensively in Europe and in this country. The high prices now obtained for hybrids will soon be a thing of the past. They will soon be within the reach of those with a moderate purse. The chief advantage in having a collection of hybrids is, that they have no decided period of rest. They bloom more than once each year, and for this reason are cultivated with greater ease.

New Store of W. W. Seekins, Duluth, Minn.

The city of Duluth, Minn., should be proud in the possession of a florist's store as up-to-date in its appointments as the new one opened last December by W. W. Seekins, at the corner of Third Avenue and Superior street. Previously in restricted quarters in a more crowded section of the city Mr. Seekins wisely concluded to change his location to one where the neighborhood

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIETH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLOREAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.



Store of W. W. Seekins, Duluth, Minn.

on rather long spikes, and they are among the best of their class.

During the months of October and November, two of the finest cattleyas make their appearance—*C. labiata* and *C. Bowringiana*. These two are found in every collection. *C. labiata* is the type of the labiate or large-lipped group, and *C. Bowringiana* might be taken as the type of the two-leaved group, as it is commoner than any other of the small-flowered species.

C. labiata, one of the best of the cattleyas, begins to bloom in October and continues during November. It is of easy culture and can be obtained in large quantities at very low prices. It is a native of Brazil, and is sometimes sold under the name of *C. labiata vera* to distinguish it from others of the labiate class of which it is the type.

C. Bowringiana also blooms during October and November. It is a native of Honduras and much resembles the Guatemalan species, *C. Skinneri*, already mentioned. Its flowers are rose purple with a lighter throat, and many are produced on each spike. It is perhaps the best of the two-leaved class.

The cattleya house during the last month of the year is made bright by one of the most beautiful of all cattleyas, *C. Percivaliana*. Its flowers are a little smaller than those of the other species of the labiate section, but its extremely beautiful lip more than makes up for this slight disadvantage.

Many other fine cattleyas might be mentioned "among the best," but a collection of the above mentioned would give a comprehensive idea of the whole genus, and abundance of satisfaction. If greater variety is desired, forms of the above might be added "ad infinitum."

was better suited to the requirements of his rapidly increasing business, and purchased a lot at the point mentioned, on which he erected a business block which, besides providing accommodation for himself, includes two spacious stores. The block covers an area 100 by 80 feet, of which he has taken a store area, having a frontage of 43 feet with a depth of 10 feet. The other stores are the same depth, and the remaining space is occupied by three greenhouses, the one immediately back of the store being used for a conservatory, in which a magnificent display of plants was made at Easter. The store is finished in mahogany, and has an iron, with mahogany front, 20 feet from end to end. The counters are tiled, and have marble tops. The floor is tiled.

Mr. Seekins also has for supply purposes eleven greenhouses at another point on Third street, all, with the exception of two benched with carnations, devoted to plants, and, in season, to a limited showing of bulbous stock. There are three additional 135-foot houses at Woodland, a city suburb, which are planted to roses, the varieties grown being *Eride*, *Bridesmaid*, *Richmond*, *Killarney*, and *Uncle John*. Mr. Seekins is to be congratulated as the proprietor of one of the finest, if not the finest, store in the Northwest. J. H. P.

There will be a meeting of the executive committee of the American Rose Society on Thursday, May 21, at 1 p. m., at Hotel Marlborough, Thirty-third street and Sixth avenue, New York, to discuss matters connected with the forthcoming June rose show in Bronx Park, and other subjects.

New Conservatory, Garfield Park, Chicago.

What is supposed to be the largest conservatory in the world is the new conservatory in Garfield Park, Chicago, opened to the public at Easter. It practically comprises a range of seven buildings, covering an area 250 by 300 feet. The palm house is the largest of the group, having an area of 85 feet by 250 feet, with the center of its dome 65 feet above the floor. This building, or apartment, forms the front of the group. The next largest building is the aquatic house, which is 112 by 150 feet.

Other buildings, or apartments, are a show house, 50 by 132 feet and a storehouse of the same size; a conifer house, 65 by 86 feet; a New Holland house, 65 by 86 feet; and an economic house, 50 by 97.6 feet. Over 100 tons of steel were used in the construction work, and 300,000 square feet of glass was necessary to cover the structure.

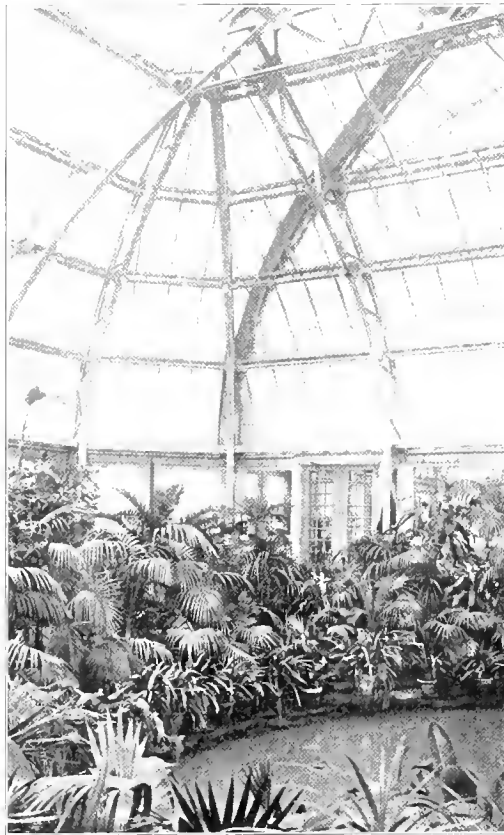
The building was designed by Hitchings & Company, New York, and the contractors for its erection were the Charles E. Carson Company, Chicago, who carried the work to completion in the incredibly short time of eight months from the breaking of ground. The work has been done under the direction of the West Park Commissioners of Chicago, but under the personal supervision of general superintendent Jens Jensen, who has had entire charge of the work, laying out the buildings to conform to his ideas of decorative effect. The total cost of the structures, furnishings and decorations will approximate \$225,000. J. H. P.

Hybrids of *Gladiolus Primulinus*.

Nearly 2,000 hybrids of the new pure yellow *Gladiolus primulinus* bloomed on the Rural Grounds last season as the result of active breeding work since the species came into our hands in the Autumn of 1905, writes Dr. W. Van Fleet in *The Rural New Yorker*. Crosses were made at every favorable opportunity with a great number of selected garden varieties, and with every available species of both Winter and Summer-blooming types. Naturally the main effort has been to breed superior yellow varieties. It was also desired to determine to the greatest possible extent the influence of this very distinct and new species on dissimilar *gladiolus* forms. The results are most interesting, and indicate that *Primulinus* is likely to prove an important factor in developing attractive new varieties. In practically every hybridization thus far verified by blooming, its influence is dominant even over the deepest reds, subduing them to pure, soft and pleasing shades of orange, salmon and terra-cotta, all with conspicuous deep or light yellow throats. With white and light colors the results are still more apparent, showing in shades of cream, buff, ecru, lemon and canary, usually without markings. With yellow there is in almost every instance a deepening of the shade, and generally elimination of the objectionable blotchings and pencilings of contrasting colors that mar most commercial yellow kinds. The ideal massive golden yellow variety is probably not yet attained, though one or two of the new seedlings appear to approach closely the type we have in mind. The blend of *Gladiolus Quartiniensis* with *Primulinus* is particularly harmonious. The strong reds of the former are not conquered, but are modified into unusually acceptable shades of terra-cotta with rich yellow flamings. The vigor of growth is much increased and the season of bloom advanced from early Fall to Midsummer.

Crosses With Winter-Blooming Varieties.

Our work with Winter-blooming species is not so far advanced as with the garden sorts, but crosses with *G. tristis*, *G. alatus*, *G. Watsonius*, and forcing varieties of *G. Colvillei*, *G. ramosus* and *G. cardinalis* have already bloomed, and indicate possibilities of extraordinary improvement in the way of increased vigor, greater ease of management, and the addition of many new shades of color, including the purest of yellows. There can be little doubt that the result of blending *Primulinus* with the dwarf early flowering kinds known, collectively, as *Gladiolus nanus* varieties, will eventually result in the development of superior new kinds of especial value to florists. The hybrid with *The Bride*, the most popular Winter bloomer, is uniformly pure lemon yellow in color. The blooms are from seven to nine to each spike; stems taller and more graceful than the parent. *Delicatissima*, a peach-colored variety of *G. cardinalis*, yields a most attractive flower of uniform ecru—the exact shade of natural floss silk—also borne on fine tall spikes. The *Watsonius-Primulinus* cross is tall, orange with a carlet veining, vigorous, early and



A Section of the Aquatic House.
Garfield Park Conservatory, Chicago.

profuse in bloom. But a single hybrid with *G. alatus* has bloomed at this writing, though hundreds are under way. It is a remarkable novelty, deep yellow, with picotee markings of crimson at the edges of the widely opened blooms. The Winter-blooming kinds generally have soft corms, difficult to keep long out of the soil, but the new hybrid varieties, with scarcely an exception, have solid, large corms that appear to possess excellent keeping qualities, and are unusually prolific of increase. The most obvious defect of *Primulinus* hybrids is exaggeration of the hooded bloom of the type, but this is absent in some of the choicer varieties secured, and may be expected to grow less conspicuous in future generations of dilute hybrids. *Gladiolus primulinus* has already shown its ability to infuse new and desirable qualities into the best known strains of *gladioli*, and as it is now in the hands of clever plant breeders in all parts of the world, it is likely to become the parent of a most valuable new race.

New Garden *Gladioli*.

It is scarcely possible to test all new varieties of this popular plant that increases each year in public favor. The most that can be done is to try a few of the promising ones. The following kinds bloomed last

Summer for the first time on the Rural Grounds, though some have been in commerce for several years.

GOLDEN WEST.—Plant dwarf and stocky, fine spikes of well-opened flame-colored blooms, spotted in the throat with golden yellow. This variety has good substance and well endures sun and wind. It appears to belong to the *Nanceianus* strain of *Saundersii-purpureoauratus* hybrids, but is of American origin.

HOHENZOLLERN.—Strong, tall grower, with upright foliage, long dense spike of sulphur yellow flowers, with darker center, edges flushed with pink. A fine light yellow variety.

NEGRO PRINCE.—Deep blood red flowers, with velvety sheen; spike large, blooms above medium size. Plant moderately vigorous and an early bloomer. This would have merit if the blooms had greater substance, but they were scarcely able to endure our July sun.

SILVETTA.—Tall and vigorous, with broad foliage, very large widely opened blooms, borne on extra long spikes; cream white with carmine, blotches in throat; blooms late in August. The last three varieties were distributed from a Holland nursery. They are of nearly pure *Gandavensis* type. The succeeding five kinds originated in the celebrated nursery of Lemoine et Fils, Nancy, France, and are among the best yellow varieties of the *Purpureo-auratus* race.

HENRI LEMOINE.—Dwarf, but vigorous in growth, flowers of moderate size, well opened, petals fluted at margin, chrome yellow, with flesh colored blotches in center.

HENRI DE SAUSSURE.—Early and slender in habit, fine well-filled spikes of light yellow bloom, pale crimson in center.

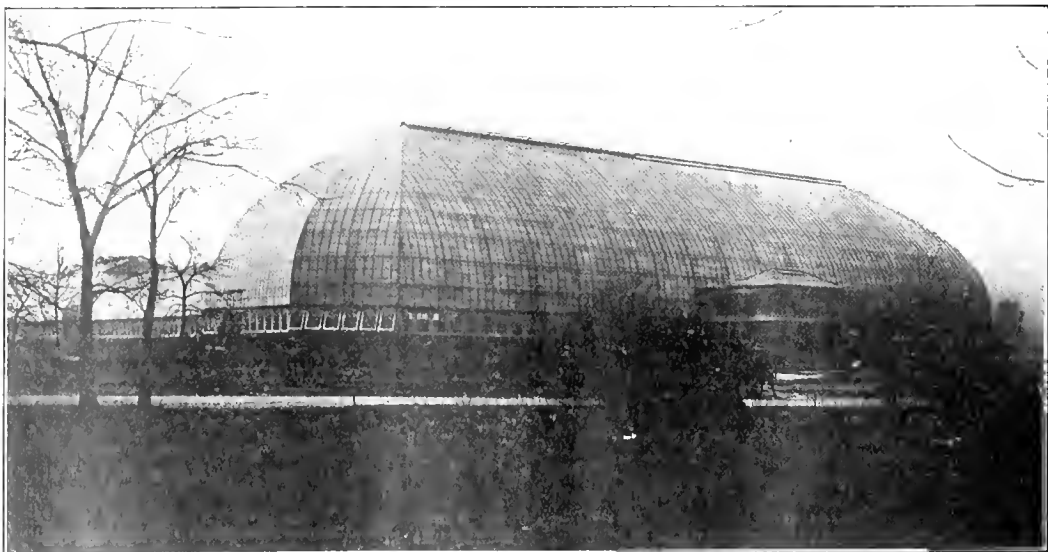
SOLFATARE.—Good vigorous plant, sulphur yellow blooms, with dark brown-purple blotch in center; quite late in blooming.

TRANSVAAL.—Clear chrome yellow bloom, blotches chestnut brown; of good habit, but not vigorous in growth.

COLVILLEIDES.—A hybrid between *Gladiolus tristis* and a yellow garden variety; narrow upright foliage, blooms clear deep yellow, with dark central blotch; flowers early in July and can be forced again for Winter blooms. This is a most distinct variety, and would have much commercial value if it propagated freely, but it does not form seeds, and produces only a scanty supply of cormels.

HARVARD is a tall, large flowered, dark red variety, introduced by a Boston seedsman. It has been claimed that it will supersede the now well-known *Gladiolus princeps*. Our trial corms were not of full size, which may account for their very ordinary showing. Another year will be needed to make a fair comparative test.

Sulphur King was tried in quantity and found to be a real advance on Canary Bird regarded before as the best commercial yellow variety. Sulphur King is more upright in growth, with less tendency to produce crooked spikes. The color is warm sulphur yellow, with deeper throat. It is handsome in the garden, and most excellent for cutting. The three American varieties, Isaac Buchanan, Canary Bird and Sulphur King form a remarkable progression. All are of the same *Gandavensis* type, and especially the same in body color, but the red markings so abundant in the old Isaac Buchanan are almost eliminated in Canary Bird, and apparently altogether so in Sulphur King, rendering it the purest yellow kind in commerce. It is offered by J. L. Childs, Floral Park, N. Y., in whose nurseries it appears to have originated.



New Conservatories at Garfield Park, Chicago, Costing \$160,000.

Cincinnati.

News Items.
George Walker, superintendent of the flower market, is recovering from his attack of pneumonia.

Miss Annie Ruttle, 16-year-old daughter of Mr. and Mrs. Robert Ruttle of Covington, Ky., died May 9. Funeral services were held Tuesday, the 12th. Mr. and Mrs. Ruttle have the sympathy of the craft here in their sad bereavement.

The great May festival is past, and for style and music left many pleasant memories, but, from a florist standpoint, was a severe "frost."

W. A. Chalfant of Springfield, Mo., was a caller. He, with four ladies, were here for the week attending the festival. Martin Roukauf was also in the city.

Charles Dieterich of Maysville, Ky., was a caller May 11, and reports the "night riders" still busy, with the Ohio State troops patrolling the Ohio side for about forty miles. I am afraid this night rider business will cause some bloodshed before it is over. This morning's papers, May 11, report them committing depredations in Indiana, near Aurora.

J. Charles McCullough says the seed business was never better, and they are now making good money on clover seed. Ben Delaney, who is one of Mr. McCullough's road men, is all smiles. It's a ten pound daughter and all are doing well. Ben was handing out the cigars May 7. E. G. G.

Syracuse, N. Y.

Trade Notes.
Trade conditions are very quiet; in fact, it is some years since a similar state prevailed. For the past three weeks the weather has been cold and a great deal of rain has fallen, which has retarded all Spring work; as a result carnations remain in the houses and no attempt has been made to put out bedding plants. As soon as the weather becomes settled everyone will be rushed, as there is a great deal of holding out to be done; in fact, the florists are looking for a very heavy demand and have prepared accordingly.

Arbor Day was more generally observed than heretofore by the city and district schools, but tree planting had to be deferred, owing to the rain. Your correspondent gave an address to the students of Fayetteville High School in the morning, and a talk to the children of a district school in the afternoon. H. Y.

GERANIUMS

In 2 1/2 in. pots. S. A. Nutt, John Doyle, Francis Perkins, Bertha De Presilly, Beate Poitevine, Double White and Castellane, \$7.00 per 100 and shipped in paper pots. Mme. Sallerol, in 2 1/2 in. pots, \$3.00 per 100. Cash with order.

J. B. SHURTLEFF & SON, Cushman Ave., Revere, Mass.

GERANIUMS

S. A. NUTT, large, well-grown plants, in bud and bloom, \$7.00 per 100. In large or small quantities, out of 3 1-2-inch pots. Cash.

STEPHEN CHASE, Nashua, N. H.

GERANIUMS

In bloom for Easter. 4 in. pots, \$1.00 per doz.; \$6.00 per 100. Cash please.

Henry Eichholz, Waynesboro, Pa.

PANSIES

BROWN'S extra selected prize PANSIES, large, transplanted, field-grown plants, in bud, \$1.50 per 100; \$12.00 per 1000. Cash with order.

PETER BROWN

124 Ruby St., LANCASTER, PA.

GERANIUMS

and other plants in BUD and BLOOM

Nutt, Poitevine, Poitiers, Viaud, Doyle, etc. and pink, 1 in., \$6.00, 3 in., \$4.00.

CANNAS. Mrs. Kate Gray, Egandale, Alba Rosa, Pennsylvania, Robusta, etc., 3 in., \$1.00 per 100.

CENTAUREA Gymnocarpa; BEGONIA Vernon Graefius; FUCHSIA, Little Beauty; FORGET-ME-NOT, in bloom; SWEET ALYSSUM, Little Gem, full of bloom, NASTURTIUM, dwarf crimson; PANSIES, strong clumps in bloom. PETUNIA, dwarf Inimitable, \$3.00 per 100.

CALADIUM Esculentum Bulbs, 8-10 in., \$5.00 per 100.

TUBEROSES, double dwarf Pearl, selected bulbs, 4-6 in. in circumference, 50c. per 100, \$7.00 per 1000. Second size, fine blooming bulbs, \$1.00 per 1000.

DAHLIAS

The leading Varieties for Florists

Prices of named varieties of Dahlias, field-grown whole clumps, 10c. per doz.; \$3.00 per 100; \$25.00 per 1000. All kinds mixed, 30c. per doz.; \$2.50 per 100; \$20.00 per 1000.

GRANGE SHELLROAD GREENHOUSES, BALTIMORE, MD.

GERANIUMS and other PLANTS

Geraniums, in bud and bloom. Geraniums, S. A. Nutt, Beate Poitevine, Alphonse Ricard, La Favorite, Frances Perkins, John Doyle, Jean Viaud, Marquis de Castellane, 3 1/2 in. pots, \$5.00 per 100. Rose Geraniums, 3 1/2 in. pots, \$5.00 per 100. Ivy Geranium, double, Garden Glory, incomparable, Alice Crousse, De Braza, 3 1/2 in. pots, \$5.00 per 100. Fuchsias, Snow White and Storm King, 4 in. pots, \$3.00 per 100. Cannas, Charles Henderson, Duke, Florence Vaughn, Queen Charlotte, Egandale, Martha Washington, pink, 4 in. pots, \$5.00 per 100. Pelargonium Victor, 3 1/2 in. pots, \$7.00 per 100. Begonia Metallien, 3 in. pots, \$4.00 per 100. Petunias, large flowering, 3 in. pots, \$2.50 per 100. Verbenas, 3 in. pots, \$2.50 per 100. Heliotrope, 3 1/2 in. pots. Chieftain and Queen of Violets, \$5.00 per 100. Vinca Variegata, Ageratum, Dwarf Blue; Geraniums, Jean Viaud, La Favorite and John Doyle, Cash with order.

WM. J. CHINNICK, TRENTON, N. J.

GERANIUMS

S. A. Nutt, John Doyle, A. Ricard, Buchner, Castellane, Jean Viaud, Beate Poitevine, Mme. Sallerol, 2 in. pots, \$2.00 per 100; 3 in. pots, \$3.00 per 100; 4 in. pots, \$5.00 per 100.

COLEUS Golden Bedder, Crimson Verschaffeltii and 15 other varieties, R. C. 60c. per 100; \$5.00 per 1000; 2 in. pots, \$1.50 per 100; \$15.00 per 1000.

ASPARAGUS Sprengerii and Plumosus Nanus, 4 in. pots, \$5.00 per 100.

AGERATUM, Gurney \$0.50 \$1.50
SALVIA, Bonfire75 2.00
HELIOtropES75 2.00 \$3.00
FUCHSIAS, 10 varieties 2.00 3.00
PANSY PLANTS, \$5.00 and \$8.00 per 1000.
Asters, Stocks, Phlox, Verbenas, Single Petunias, 2-in. pots, \$1.00 per 100.
Salvia Bonfire, 3 in. pots, \$3.00 per 100.
Cash with order.

ERNEST HARRIS, Delanson, N. Y.

GERANIUMS

Strong, pot-grown. Nutt, Ricard, Poitevine, etc. Stocky, \$1.40 per 100.

ALTERNANTHERA Fine bushy plants, Red Rug and v. Nana \$7.00 per 100.

PANSIES in bloom, none so choice, 70c. per 100.

COLEUS Large, strong rooted cuttings—Fancy, very brightest, \$4.50 per 1000. Giant, most brilliant of all, 70c. per 100.

BUSHY, from soil, ready to plant out. Red and Yellow, 80c., Fancy, 60c., Giant, 80c. per 100.

DANIEL K. HERR, Lancaster, Pa.

GERANIUMS

Nutt, Doyle, Viaud, Montemort, Buchner, Jaulin, 3 in. pots, \$4.00 per 100.

Ricard, Poitevine, 3 in. pots, \$5.00 per 100.

Healthy, strong plants, ready May 15. Cash with order.

RUDOLF NAGEL, Art Gardener

S. WEST END AVENUE, LANCASTER, PA.

GERANIUMS

2 in. S. A. Nutt, \$20.00 per 1000; \$2.25 per 100; rooted cuttings, \$12.00 per 1000; \$1.25 per 100. VARIEGATED VINCA, rooted cuttings, \$10.00 per 1000. Cash with order.

S. N. PENTECOST

1790-1810 East 101st St., CLEVELAND, O.

CATLEYA TRIANAE

To hand IN PERFECT CONDITION.

Finest plants ever arrived in this country. In order to move them quickly we offer cases of about 40 fine plants with over 450 bulbs for \$55.00 per case.

CATLEYA LABIATA, cases of about 40 plants, 400 bulbs, \$55.00.

CATLEYA MOSSIAE, in fine condition, in cases of 40 plants, \$55.00.

ONCIDIUM VARICOSUM ROGERSII, fine stock, \$18.00 per dozen.

Also DENDROBIUM FORMOSUM, VANDA COE- RULEA, and DENDROBIUM DALHOUSIANUM.

LAGER & HURRELL, SUMMIT, N. J.

100,000 GERANIUMS

Rose, Nutt, D. Grant, Buchner, Poitevine, Castellane, in bud and bloom, well grown, strong, 3 1/4 in., \$5.00 per 100; \$45.00 per 1000; selected 4 in., \$6.00 per 100; strong 3 in., \$3.50 per 100. Plants not in bloom, \$3.00 per 100, 3 1/2 in. pots, \$4.00 per 100. M. Verbenas, Lobelias, C. and trailing; Ageratum, blue, all in bud and bloom; Nasturtiums, Coleus, 12 varieties, all strong, 2 in., \$1.50 per 100; \$14.00 per 1000; strong, 3 in., in bloom, \$2.50 per 100, including Dree's single fringed Petunias, German Ivy, Heliotrope, in bloom, strong, 3 in., \$3.00 per 100. Begonia Vernon, in bloom; Cannas, strong, 3 in., \$4.00 per 100; 4 in., \$5.00. Vinca Variegata, strong, 4 in., \$6.00. Coleus Scandens, 2 feet, staked, strong, 3-4 in., \$8.00 per 100. Salvia, Bonfire and Splendens, 3-4 in., \$2.50 and \$1.00 per 100. Cash. Extras added. Satisfaction guaranteed.

WM. S. HERZOG, Morris Plains, N. J.

GERANIUMS

Fine stocky plants in bud and bloom, Nutt, Ricard, J. Viaud, M. Cheveliere, M. Jaulin, Dryden, Perkins, Hill, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100; 4 in., \$8.00 per 100.

PANSIES. Extra fine strain in bud and bloom, \$1.00 per 100.

COLEUS. Rooted Cuttings, 75 cts. per 100; 2 1/4 in., \$2.50 per 100.

CANNAS. \$8.00 per 100.

CALADIUMS at \$15.00 and \$20.00 per 100.

Cash or C. O. D.

W. J. & M. S. VESEY, FORT WAYNE, IND.

CHRYSANTHEMUMS

Good Rooted Cuttings and plants from soil now ready.

WHITE, Estelle, Polly Rose, A. Byron, Ivory, T. Eaton, Geo. S. Kalb, Mrs. Robinson, Opah, VILHJALM Robert Hallday, Col. D. Appleton, Cremo, Mrs. John Whildin, Major Bonnaiffon, PINK Glory of the Pacific, P. Ivory, Dr. Enguehard, Minnie Bailey.

\$1.50 per 100; \$12.50 per 1000. Cash or C. O. D.

D. H. GREEN, West Grove, Pa.

VIOLETS

Governor Herrick

New single violet, fine deep color, heavy foliage, will produce 135 to 160 blooms per plant; hardy stock, 10-inch stems, keeping qualities unsurpassed; good seller. Price, \$25.00 per 1000 in clumps.

Cash with order.

LOUIS D. McCOY

SPRING VALLEY, ROCKLAND CO., N. Y.

CAMPBELL VIOLETS

25,000 Sand Booted Cuttings, as fine as silk, \$1.00 per 100 by mail, prepaid; \$7.00 per 1000 by express, not prepaid. Satisfaction guaranteed.

Strong, field-grown plants of Campbell and California ready in August.

CHAS. BLACK, HIGHTSTOWN, N. J.

PANSIES

THE JENNINGS STRAIN

Plants in bud and bloom, \$1.00 per 100, small plants, \$1.00 per 1000 by express.

Cash with order.

E. B. JENNINGS, SOUTHPORT, CONN.

Lock Box 254
Grower of the Finest Pansies

GERANIUMS

RICARD, DOYLE, VIAUD, NUTT, 2 in. bud, \$2.00 per 100, \$18.00 per 1000.

NUTT, BUCHNER, RICARD, VIAUD, JAU- LINE, \$1.00 per 100, 3-inch pot.

Cash with order

PETER BROWN, Lancaster, Pa.

CLASSIFIED ADVERTISEMENTS

Cash with order. The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc. For Sale or Rent.

SITUATIONS WANTED

SITUATION WANTED—By American, single, aged 20, as a rose grower; good references. John Sobushchek, Bohemia, L. I., N. Y.

SITUATION WANTED—Assistant gardener wants position, Englishman. Good all-around man; now at Liberty. Address, L. H., 147 East 30th street, New York City.

SITUATION WANTED—As florist or gardener, commercial or private place, 5 years' experience, good references. Address, Oscar Johnson, P. O. Box 165, Cromwell, Conn.

SITUATION WANTED—By assistant gardener, German, 32, single, experienced electrician, understands his business. Makes own repairs. Held, S. Broadway, Tarrytown, N. Y.

SITUATION WANTED—By Russian, 26, single, speaks a little German and English, good grower of roses and general line of plants. Address, F. A., care The Florists' Exchange.

SITUATION WANTED—Gardener, head working, English, aged 39, married, life experience in all branches of horticulture. Good references. Address, C. W. S., care The Florists' Exchange.

SITUATION WANTED—By a general all-around grower, good manager; understands installation and care of boilers, steam and hot water, etc. Reasonable terms. Address, J. E., care The Florists' Exchange.

SITUATION WANTED—German, married, capable of taking charge of any sized private or commercial place, wants position. Please state particulars in first letter. Address, G. H. Gardner, 418 North Perry street, Johnston, N. Y.

SITUATION WANTED—A young man, few years in this country, sober honest, some experience in carnations, roses, chrysanthemums and all general work, commercial or private. Address, X. X., care The Florists' Exchange.

SITUATION WANTED—By an experienced florist and gardener, single, middle aged, good designer and all-around greenhouse man; 15 years' experience, excellent references. Address, E. O. W., care The Florists' Exchange.

SITUATION WANTED—By German, 35, all-around man, good grower of carnations, chrysanthemums and general stock. Best references; state wages with board and room. Address, F. Hoge, Whiteport, 15ter County, N. Y.

SITUATION WANTED—Gardener, single, 33, life experience, three years last place; as working foreman or greenhouse man on private place. Address, B. G., care Marshall Seed Store, 143 West 23d street, New York City.

SITUATION WANTED—As foreman by first-class grower of roses, carnations, chrysanthemums and all kinds of pot plants; understands landscape work. Able to handle men to advantage. State wages paid and other particulars. Address, John G. Flenti, 145 Snyder avenue, Brooklyn, N. Y.

SITUATION WANTED—As salesman or manager in a seed store, thoroughly experienced in the seed and nursery business, familiar with buying, import and export trade. Excellent testimonials. Address, Experience, care The Florists' Exchange, 4543 Cottage Grove avenue, Chicago, Ill.

SITUATION WANTED—By orchid grower, trade or private, competent to take full charge, good manager, energetic, thorough, practical knowledge of the department, by holding, etc. 15 years' experience in British Isles, last five years in responsible charge of large private collection, excellent references. J. Campbell, Coldstream Greenhouses, Vernon, R. I.

Thirty cents is the minimum charge for advertisements on this page.

HELP WANTED

WANTED—Reliable man, grower and builder; no drinker. Myers Brothers, El Dorado, Pa.

WANTED—First-class budders. State experience and give references. Good wages. Address, Paucher Creek Nurseries, Fresno, Cal.

WANTED—Good man to take charge of ornamental grounds, must be a good builder and grafter. Schroeder-Son Nursery Company, Lafayette, Ind.

WANTED—Competent propagator and plant grower; intelligent, educated, and a worker. Address, Farden, 313 Massachusetts avenue, N. E., Washington, D. C.

WANTED—Gardener to take charge of grounds, garden and greenhouses (private place). Married man with small family. Address with references and stating wages wanted, Elliott Nursery Company, Pittsburg, Pa.

WANTED—A young man as farm manager, who has had experience in seed growing and the growing of bulbs, hardy perennials, etc. A good opportunity for a man who is willing to start in a reasonable way with a view to future development and advancement. Give full particulars, naming references and previous experience. Address, P. O. Box 330, Richmond, Va.

TRAVELER WANTED

By leading Import House handling all kinds of Foreign Nursery and Florist's stock—excepting Dutch Bulbs. Splendid opening for young man (under 25) with energy, judgment, intelligence and a fair knowledge of the business. State age, qualifications and salary expected to "import," care The Florists' Exchange.

WANTED

Two good bright men capable of earning \$1,000 per year each, that are well versed in the seed business. One that has had a great deal of experience in garden seeds and some in field. Another that has had considerable experience in grass and field seeds, and can take charge of shipping department and act as general foreman about warehouse. When answering state your age, number of years' experience and with whom. Address

SEEDS, care of THE FLORIST'S EXCHANGE 4543 Cottage Grove Ave., CHICAGO

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, F. X., care The Florists' Exchange.

WANTED—To lease or purchase two greenhouses, about twenty acres of land, running water, house, barn; within fifty miles of New York. State location and price. Address, Mr. Trecey, 511 West 150th street, New York City.

WANTED—A responsible position in the seed business by man competent to take charge of department, or would consider an interest in a growing business. Correspondence confidential. Address, E. A. V., care The Florists' Exchange.

WANTED

20 Palm Pyramid Box, 3 ft. 3/4 in. and 4 ft. 100 Vinca Alba 100 Vinca Rosa 100 Nicotiana 100 Salpiglossals.

J. W. ADAMS & CO., Springfield, Mass.

MISCELLANEOUS

GREAT CHANCE for florist to go in business with small amount of money. Write F. H. Baker, Stafford Springs, Conn.

WANTED—Partner, hustler, with \$2500.00 to buy half interest in long established plant in Eastern Pennsylvania, retail trade. Address, A. H. J., care The Florists' Exchange.

Always Interesting. I have been a subscriber to your valuable paper for the last six years and have always found it very interesting. New York, W. R. KEAY.

A Long Felt Want Supplied

The Greater New York Employment Agency can furnish help of all kinds for florist and greenhouse work. Any nationality. Address

A. HULSEBOSCH, Prop. 51 Greenwich St., NEW YORK CITY Telephone 4839 Reclor

STOCK FOR SALE

SALVIA BONFIRE, 2 in., ready for 2-in., 2c. Cash, Ellis Brothers & Company, Keene, N. H.

25,000 ALTERNANTHERAS, at \$25.00 per 1000. No shipping. Cash with order. John Lappe, Juniper avenue, Maspeth, L. I.

ROSES—900 Brides and 900 Bridesmaids, 3 in. pots, strong and healthy plants, at \$1.00 per 100. L. C. Rubenstein, Murray Hill, N. Y.

BARGAINS in pot-grown plants, in variety, ready for market at once. Send for prices, it will pay you. Alonzo J. Bryan, Washington, N. J.

PANSY PLANTS—Full of life. Transplanted, \$1.00 per 100; \$8.50 per 1000, seedlings, 50c per 100; \$3.50 per 1000. H. W. Buckler, Rockford, Ill.

SALVIA ZURICH in bud and bloom, 3 in., \$4.00 per 100; 2 in., \$2.50 per 100; rooted cuttings, \$1.25 per 100. The Krueger Brothers Company, Toledo, O.

SWEET POTATO PLANTS, now ready. Big stems Yellow Nansmond or Yellow Jersey, \$1.50 per 100; by mail, 30c. per 100. H. Austin, Felton, Del.

DAHLIA BULBS, twenty-five choice named varieties, one-third cactus, for \$1.00; twenty choice named varieties, all cactus, for \$1.00. Catalogue free. C. Peirce, Dighton, Mass.

ASTER PLANTS—Simple's, mixed colors, 30c per 100, 40c for \$1.00, by mail, nice, strong stock. George A. Rolyea, Orchard Place Greenhouses, Poughkeepsie, N. Y.

30,000 GERANIUMS—15 varieties, fine stock, very branching, full of bud and bloom; any variety or mixed colors, double or single, 80.50 per 100. Alonzo J. Bryan, Washington, N. J.

STRONG, 4 in. POT ROSES. See our display advertisement for varieties, etc. page 608 in issue of May 2 The Florists' Exchange. The Reeser Floral Company, Urbana, O.

PLANTS in 2-in. pots, prepaid on Southern Express, for 2c. Alternantheras, Red and yellow Salvia, Ageratum, Double Alyssum, 10 kinds of Cadeus, Thomas Greenhouses, 602 East Magnolia Street, Fitzgerald, Ga.

DOUBLE LOBELIA, Kathleen Mallard, 3 in., 8c.; 1 1/4 in., 4c., full of buds and bloom, strong cuttings from 800, cc. Mme. Sallerud geraniums, 2 1/2 in., 2 1/2c. Reduced prices; 1 need room. J. L. Stone, Trumburg, N. Y.

CARNATIONS, field-grown, 15,000 Enchantress and Winsor, ready for delivery July 1. Orders filled in strict rotation. Order now and be satisfied. Prices on application. We guarantee satisfaction; we lead in superb field-grown stock. Wa-No-Ka Greenhouses, Barneveld, N. Y.

SALVIA ZURICH, \$2.00 per 100; \$20.00 per 1000, Ageratum, blue, dwarf, \$1.50 per 100, \$12.00 per 1000, Begonia Vernon, \$3.00 per 100; Sweet William, strong, bold clumps, \$2.50 per 100; Egg Plant, strong, transplanted, 75c per 100; Brewer's Fringed Petunias, \$2.00 per 100; \$15.00 per 1000. Bay View Floral Company, Southold, L. I., N. Y.

GERANIUMS—Choice mixed colors, strong plants, 4 in. pots, \$7.00 per 100, Periwinkle, strong plants, 1 in. pots, \$8.00 per 100. Double white fringed Petunias, very strong plants, measure 4 in. across, \$10.00 per 100. Braccina ludvisa, 4 in. pots, \$2.00 per dozen. Hardy English Ivy, 3 feet long, 4 in. pots, \$1.50 per dozen. Double Petunias, 2 in. pots, \$2.00 per 100. Geraniums, mixed choice colors, 3 in. pots, \$3.00 per 100. Double white Petunias, 3 in. pots, \$4.00 per 100; Cuphea, 3 in., \$2.50 per 100. Umbrella, Black Eye, buff or white, 3 in. pots, \$2.50 per 100. Scarlet Sage, 3 in. pots, \$2.50 per 100. Single Petunias, dwarf, 3 in., \$2.50 per 100. Dusty Miller, Centaurea gnomonifera 3 in. pots, \$2.50 per 100. Moon Vines, strong, 3 in. pots, \$4.00 per 100. Begonia Vernon, large flowering, 3 in., \$3.00 per 100. Kew-White Ivy, 3 in., \$2.50 per 100. Lobelia, 3 in., \$2.50 per 100. Nasturtium, 3 in. a pot, dwarf, 3 in. pots, \$2.50 per 100. Parlor Ivy, 3 in. pots, \$2.50 per 100. 140lbs, mixed colors, strong, 3 in. pots, \$2.50 per 100. Alyssum, this is extra strong dwarf, 3 in. pots, \$2.50 per 100. All kinds of aquatic plants and fancy gold fish. Samuel V. Smith 3222 Goodman street, near 11th and Ontario, Philadelphia, Pa.

STOCK FOR SALE

1500 CHRYSANTHEMUMS—Bouffant, Enguehart, Robinson and Ivory, strong plants, 2 1/2 in., \$2.50 per 100; \$20.00 per 1000. A lot of Polioethias, 3 and 4 in., to close, \$8.00 and \$6.00 per 100. Asparagus Sprengeri and Plumosa, 3 in., to close, \$1.00 per 100; English Ivy, 4 in., \$5.00 per 100, Vinca, 3 and 4 in., \$5.00 and \$6.00 per 100. 3000 Camas bulbs, as sorted, to close, \$1.50 per 100, 200 Camas, 4 in., \$5.00 per 100. Geraniums, Nutt, Grant, Doyle and Portwine, 3 1/2, 4 and 5 in., \$4.00, \$6.00 and \$7.00 per 100. Stock Geraniums, 7c. each 1 1/2 geraniums, in bud and bloom, 4 in., \$4.00 per 100. Dwarf Fuchsias, 3 in., \$1.00 per 100. One lot of 60 Rex Begonias, 3 to 6 in., \$12.00 to close. Cash with order. John E. Fray, Summit, N. J.

FOR SALE OR RENT

TO LEASE—For five years, five greenhouses heated by hot water, house with seven rooms, in good condition. The place is situated at Elmhurst, N. Y., 15 minutes from Thirty-fourth Street Ferry. No stock to buy. Apply to Beaulieu, Woodhaven, N. Y.

FOR RENT—Greenhouses, best modern construction, prime condition, stocked with roses, carnations, chrysanthemums, etc.; 50,000 feet glass, location Eastern Pennsylvania; good local trade; easy access to city markets. Terms reasonable. Address, Rose, care The Florists' Exchange.

FOR SALE—On account of my husband's death, desirable greenhouse plant directly opposite Spring Forest Cemetery, Binghamton, N. Y. Large and increasing demand for funeral designs, horticulture and bedding stock. A dwelling house, 10,000 feet of glass; a paying business. Apply to Mrs. Katherine Pully, 47 Spring Forest avenue, Binghamton, N. Y.

FOR SALE—Chance of a lifetime. On account of my husband's death, I desire to sell the business and property which consists of eight hotbeds filled with different plants as the market here requires. Also cottage with eight rooms and barn, five acres of land in good condition, besides hotbeds and two hot-water boilers in good condition. If interested, please address, Mrs. Hugo Book, 10 College Street, Worcester, Mass.

FOR SALE—A fine opportunity to acquire a flourishing florist business, consisting of two lots, 22x136 feet each, being the third and fourth lots from corner of Court House square, in very heart of city; two-story frame building with 7 feet brick basement, coal bin under 12 feet cement sidewalk, 1,500 feet of glass, one house 20x200, stocked with carnations; one house 20x200 containing full line general bedding plants, one house 22x24 containing palms, ferns, etc., and one propagating house 12x22. Everything in prime condition. This property is located in city of Valparaiso, one of the oldest and most cities in the vicinity and 45 miles from Chicago, having 10,000 inhabitants, three railroads and one of the finest universities in the country. It being a residence town, a panic does not affect it. There are many good surrounding towns to draw trade from, and a fine chance to run a seed and nursery business in connection, there being no opposition of any kind to speak of. Will sell this property, stock, fixtures, etc., if taken within thirty days, for \$4,500.00. Will make reasonable terms. Address or call, A. Loudenberg, 55-57 Indiana avenue, Valparaiso, Ind.

FOR SALE—70 H. P. Tubular Boiler for sale before removal, 90 lbs. steam, Hatfield, 2817 American street, Philadelphia, Pa.

FOR SALE—A large consignment of 18x24 double thick American glass, A and B quality. For further information write Parselsky Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Tobacco Dust and Tobacco Stems. Dust \$40.00 lbs., \$2.50, in case lots; about 350 lbs., 2c. per lb. Stems, \$2.00 per levy, about 400 lbs. Cash with order. S. R. Levy, Binghamton, N. Y.

FOR SALE—20 H. P. Horizontal Tubular Boiler, an 8 ft. steel windmill, fit any wood tower, also wind pump, and a ft. wooden water wheel and pump. Address, Harry J. McFarland, Route No. 3, Marshallton, Pa.

FOR SALE—Florist's Refrigerator, size 10 feet wide, 4 feet 6 inches deep; 8 feet 6 inches high; white enamel, beveled French plate glass mirror in back of supply compartment; perfect condition. BARGAIN! Address, B., care The Florists' Exchange.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hot-bed sash. V. K. Reich, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE—Seven greenhouses complete, or in single lots, 200 boxes 10x12 glass, 3000 feet of 1 inch cast-iron pipe, 2000 feet of 2 and 1 1/2 inch wrought iron pipe, five boilers, with 700 feet of 1 1/2-inch ventilating apparatus and all kind of other greenhouse material. Also, 2000 feet of sash size 2x6 with 10x12 lights, all glazed and in good condition. Inquire, Pentille Estate, 123 North Miller street, Newburgh, N. Y., or address 1 Snessermann, 220 Livingston street, Newark, N. J.

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CLUB AND SOCIETY DOINGS

AMERICAN ASSOCIATION OF NURSERYMEN - Annual convention, Milwaukee, Wis., June 19-27, 1908. - Arrangements have been made with the Chicago, Milwaukee & St. Paul Railway for special coaches and parlor cars for our exclusive accommodation on train leaving Chicago from Union Passenger Station, Canal and Adams streets, at 11:30 a. m., June 19. This train carries dining car (service a la carte) and arrives Milwaukee at 1:30 p. m. For the accommodation of those wishing to remain in Chicago for luncheon, arrangements have been made for special coaches and parlor cars of train leaving at 1:50 p. m. This train arrives Milwaukee 3:50 p. m.

Members are requested to advise C. N. Souther, General Agent, Passenger Department, C. M. & St. P. Ry., 315 Marquette Building, Chicago, by postal card or letter, the train they will leave Chicago on and also the number in their party, so that ample equipment can be provided, also special train if required.

Tickets from Chicago to Milwaukee and return (rate \$3.49) can be purchased in Chicago at City Ticket Office, 95 Adams street (near Dearborn street) and at Union Passenger Station. All coupon ticket agents sell tickets via the Chicago, Milwaukee & St. Paul Railway. When purchasing your ticket be sure that it reads via this line from Chicago to Milwaukee and return. Passengers holding through tickets and arriving in Chicago on lines not entering Union Passenger Station are transferred to that station in rubber-tired omnibuses free of charge, a short and pleasant ride through the business district of the city.

As the subjects to be discussed at this convention are of vital importance to all members of the association, it is hoped there will be a large and enthusiastic gathering.

CARL CROPP, for Vaughan's Nurseries,
BENJ. E. GAUG, for Peterson Nursery,
Committee of Arrangements.

Approved:
J. W. HILL, President,
Geo. C. SEAGER, Secretary.

Arrangements have been completed for the exhibit of such nursery stock, fruits, flowers, tools, implements and supplies as are used largely by nurserymen, and we invite your co-operation and request an exhibit from you.

The exhibition held in connection with the convention last year was a success from every standpoint, and the exhibitors were unanimous in their views that they were more than repaid for their expenses in sending the exhibits. Several exhibitors took extensive orders right on the ground and reports since received indicate numerous sales made later as a result of the exhibition.

The association will provide suitable exhibition room and will make no charge for space. All exhibits must be delivered to the exhibition hall free of charge. If you wish to arrange for the placing of same in the hall, the committee will attend to it for you and see that it is properly packed and returned to you at the conclusion of the meeting, and in such cases, you will be charged with actual expenses in connection with the handling and drayage of same. Your advertising cards will be placed on the exhibit to the best advantage, but, of course, must be furnished by you.

If you wish further information, please correspond with the undersigned, as all arrangements must be made in advance, and no exhibits will be accepted or arranged for after June 1.

Dreshertown, Pa. THOMAS B. MEEHAN,
chairman.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS - The executive committee of this organization met at Buffalo on March 21. President J. F. Cowell in the chair. The following names for membership were presented and recommended favorably to the next annual meeting: F. W. Barclay, superintendent of parks, Wilkesbarre, Pa., and Daniel H. Ellis, superintendent of parks, Bridgeport, Mich. A resolution was adopted that the president and secretary be made a committee to prepare a letter to Park Commissions asking them to send representatives to the annual meeting and to pay their way. The treasurer's report showed a cash balance of \$224.53.

After a free discussion it was decided to hold the next annual meeting in the West Hotel, Minneapolis, on August 11, 12, 13 and 14 next. The following is the preliminary program prepared by the executive committee:

August 11, 9:30 a. m.- Business meeting; 2 p. m. Business meeting; papers and discussions; 7 p. m. - Visit to Lake Harriet. August 12, 8 a. m. Visit St. Paul park system, with a concert at Coma in the evening. August 13, 9 a. m.-Visit Minneapolis park system; 7 p. m.-Business session; papers and discussions. August 14.-Visit to Lake Minnetonka.

Papers were suggested on the following topics: "Concessions," "Oiling and Dust Laying," "Concrete in Park Work," "Park Commissions and Administration."

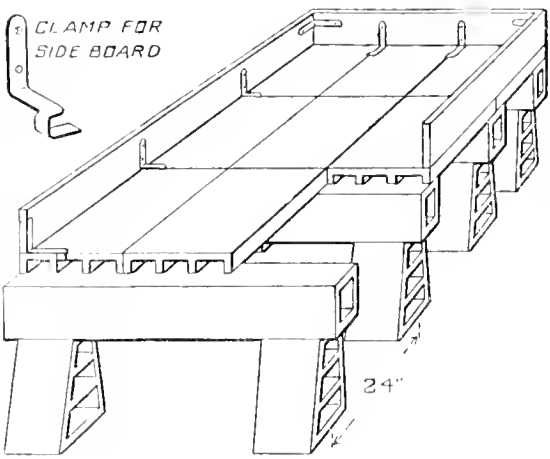
On return from Minneapolis members of the Society of American Florists can stop at Niagara Falls and attend that meeting. The committee on closer relations with allied organizations reported that by meeting near the time of the S. A. F. the park men had done all they

could, while the S. A. F. maintains its avowed attitude of a trade organization. Suitable resolutions on the death of R. H. Wandler were adopted.

Secretary Mulford is desirous of obtaining a complete list of the executive officers of municipal parks, and asks those who can supply it, to furnish him with the following information: The name of your park commissioner, or the chairman and secretary of your board or commission. Also the names of the following officers: General superintendent, assistant superintendent, engineer, forester, superintendents in charge of particular parks or special lines of work.

New York Florists' Club - A fairly well attended meeting of the club was held on Monday evening, May 11. President Weathered in the chair. Harry O. May presented resolutions on the death of Miss Dean, daughter of James Dean, Freeport, L. I., which were adopted and a copy ordered sent to the bereaved family. The transportation committee to the S. A. F. O. H. convention, and the outing committee, each reported progress. In connection with the latter it was stated that advertisements for the program and donations as prizes were being liberally received, and an enjoyable event is assured.

Chairman Rickards of the House Committee asked that exhibits of flowers be as liberal as possible for Ladies' Night on Wednesday evening, May 27; also that he be advised at the earliest possible moment as to the number of ladies and other friends each member will bring on the occasion named. This promises to be a most enjoyable evening; good talent has been provided, and all the ladies and gentlemen present will partake of the dainties furnished. Mr. Rickards' address is 37 East Nineteenth street.



Tile Greenhouse Bench.
Manufacturers, Camp Conduit Co., Akron, O.

The following were elected members of the club: Fred. W. Lentz, W. G. Badgley, Anton Schultheis, Jr., E. Howard Smith, Charles M. Lind, and Thomas Kerr. Candidates for membership, B. Chadwick, Alex. Donaldson, August Millang, John Miesom, Alex. E. Hogg and John Herlihy. The resignation of D. Wittpen was received with regrets.

Beaulieu, Woodhaven, N. Y., exhibited blooms of a white daisy and of Mme. Perret pansies, for which he received the thanks of the club. President Weathered administered a mild rebuke to the exhibition committee for the paucity of exhibits, also to the essay committee for its remissness in having no speaker for the evening.

Mr. O'Mara referred to the desire of the S. A. F. O. H. to co-operate with the Census Bureau in obtaining a full and complete census of the florist's industry in the United States. President Trendly has appointed a committee for this purpose. Mr. O'Mara, as a member of that committee, believed that the list of questions asked by the census authorities contained several that were difficult to answer by the trade, and was of opinion that these questions should be submitted to the S. A. F. O. H. committee for emendation. He urged that the fullest information be given by the florists throughout the country on the matters with which the Census Bureau desired to be made acquainted, pointing out the value of correct and complete statistics concerning the business, and assured all that the data supplied was confidential and would be made use of in no other way than for census purposes. He thought the statistics relative to private plant growing places should also be included in the aggregate as showing the true status of floriculture in the United States. Remarks on the subject were also made by Messrs. Butterfield, Wallace, Lenker, Schultz and Weathered.

Mr. Lenker referred to the fact that San José scale was present in his locality on trees and shrubs belong-

ing to private individual, and that the State is, possibly, apparently did not consider such infested stock as coming under the regulations applicable to commercial nurseries. He was advised to bring the matter to the attention of the Commissioner of Agriculture at Albany, N. Y.

Vice-President Marshall gave an interesting account of the progress of the bowling contest for the Trendly transportation prizes, after which the meeting adjourned.

The American Rose Society.

June Show at Bronx Park Botanical Garden, New York City.

A conference was held in New York City last week relative to the June show of outdoor and other roses. This meeting decided the date to be in the middle of the last week in June. President Simpson and others of the American Rose Society and the committee of the New York Horticultural Society attended the meeting.

There has been a strong inclination at all gatherings hitherto to emphasize the desirability of the June exhibitions and this year it is proposed to carry it into effect. "A Rose for every Home, a Bush for every Garden." At the time of the year when this motto can be brought to the eyes of a larger gathering than at any other period of the year, the American Rose Society invites the attention of all its members to this affair, requesting especially growers of outdoor roses of any and all varieties to be on hand; and, furthermore, would be pleased to receive the support of any friends in the way of prizes for this show.

A word to the growers: Remember that this is a popular show thrown open to thousands of people who at this season of the year gather for miles from the most populous suburban and most densely settled district in all America and this means cultivating business. So we want the rosarians of New Jersey, all of New York, Connecticut, Massachusetts, Pennsylvania and Maryland, with as many from Ohio and farther West as practical, to send on what they can.

We want the rich men's estates, with their wealth of beauty and their educated gardeners, to lend a hand to contribute to the glory of the products of "the leafy month of June" the coming rose show next month.

BENJAMIN HAMMOND,
Fishkill-on-Hudson, N. Y. Secretary.

Tile Greenhouse Bench.

Editor Florists' Exchange:

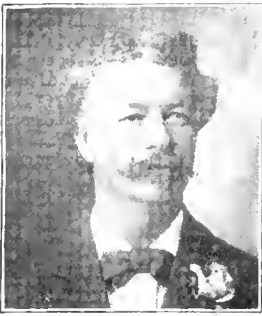
There seems to be very much interest shown by growers all over the country in some permanent bench material to take the place of wood. It is evident that a permanent bench that can be easily put up is what is called for. Tile bottom floors used on various kinds of framework have been used successfully for years, and I want to tell, through the columns of this journal, my experience with tile bottoms. I am using tile, replacing the wooden bottoms as fast as they rot out. The tile I use is specially made for the floor or bottom. It is 2 inches thick, 12 inches wide and 2 feet long. I secure this tile and split it myself, and support the same on a wooden frame. I use 2x3's. At the joints of the tile I run a coat of mortar to keep the drip off of the wooden support. The tile makes a nice level surface. The drainage is perfect and my plants are very thrifty.

Tile has been known or acknowledged for years as one of the best materials for growing plants on. I have just received a circular issued by The Camp Conduit Company of this city, showing a tile for the floor, the same as I am now using, but I note that they also make a tile post and cross support upon which they place the bottom or floor tile. Judging from the experience I have had in splitting and setting the floor tile, I am quite certain that their claim that two ordinary skilled common laborers can erect from 700 to 1,000 square feet of bench, including the splitting of the floor tile, in a day is correct. Even though it should take a little longer, the cost of erecting the bench is so low that the bench should meet with great favor among the growers. These people say they will be glad to send a circular to anyone interested, or give any information about tile construction.

I have noticed a few articles recently on cement bench construction, but from what I can learn it is rather expensive, and it is hard to secure the proper drainage. There is also objection to the one-piece bench on account of not being able to make any changes after your bench is once in place.

I am very much interested in any article on the bench subject, and I hope that there may be a general discussion.

EDMUND SCHWEITZER,
Akron, O. Prop. North Hill Greenhouses.



LIKE THE BEE

So is Godfrey Aschmann, the Philadelphia Hustler, Never Idle

Secure Bargains Now for Decoration Day

Come and see for yourself. Look around, then think what wonderful work has been done since Easter. Is it possible? Yes, Aschmann together with his trustworthy family and employees who stand him faithfully by, get it done. They do like the bee that carries the dust from one flower to the other. You, what you have seen, carry the news to your neighbors. Every hole and corner now full, ready for immediate shipment.

From the lands afar, where the choicest are, I gather the plants I supply; Or grow my own, with care unknown. So the best are the ones you buy. Then send in your orders and see your trade grow. None can surpass Aschmann's, wherever you go.

GERANIUMS. S. A. Nutt, John Doyle and mixed colors, 4 in. pots, \$7.00 per 100.

AGERATUM. dwarf blue, best bloomer, 4 in., \$5.00 per 100.

BEGONIA Vernon, finest strain, as dark as blood. Seeds of this beautiful variety picked by myself from specimen plants in Zurich, Switzerland, 4 in. pots, \$8.00 per 100; 3 in., \$5.00 per 100.

BEGONIA, new improved Erfordi, the true variety. Seeds are gathered by myself in Europe; nothing can beat this beautiful variety, either in brilliancy or in blooming, as it is always in flower Summer and Winter, 4 in. pots, \$10.00 per 100; 3 in., \$7.00 per 100.

SALVIA or Scarlet Sage. I only grow one variety, and that is the true Clara Bedman or Bonfire variety, of medium tall habit. A whole bed planted in mass is a sight to see when blooming. It looks as if the whole bed is on fire; hardly any leaves are visible. This variety decorates all the gardens in the capitals of England, France, Germany and Switzerland. The seeds of this novelty are collected by myself in Switzerland; therefore, I can supply the pure stock, 4 in., \$10.00 per 100.

HELIOTROPE, 4 in., \$7.00 per 100.

FUCHSIAS, best varieties, 4 in., \$7.00 per 100.

CANNAS, 10 best French sorts, including the dark-leaved varieties, large plants, 4 in., \$8.00 to \$10.00 per 100.

COBÆA Scandens, 4 in., 10c.

IVY, Hardy or English, 3 feet high, 4 in., staked up, 10-12c.

VINCA VARIEGATA, 4 in., \$10.00 per 100; 2 1/2 in., \$5.00 per 100.

COLEUS Golden Bedder, Verschaffeltii, Queen Victoria, 2 1/2 in. pots, \$3.00 per 100. Fancy varieties, \$1.00 per 100.

GERANIUMS, Mme. Sallerii, 2 1/2 in., strong, \$1.00 per 100.

PHLOX DRUMMONDI GRANDIFLORA, 2 1/2 to 3 in., \$3.00 per 100.

CUPHEA or Cigar Plants, 2 1/2 in., \$3.00 per 100.

LOBELIA Compacta and Trailing (Crystal Palace), 2 1/2 in., \$3.00 per 100.

TRADESCANTIA, 2 best varieties, \$3.00 per 100.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants.

1012 W. ONTARIO ST.

PHILADELPHIA, PA.

CARNATIONS

Large stock on hand. Strictly first-class. Satisfaction guaranteed. Samples free.

Perfection, Victory	100	1000
Bountiful	\$2.75	\$25.00
W. Lawson, Enchantress	2.50	20.00
P. Lawson	2.00	18.00
Queen, Boston Market, Harlowarden	1.80	15.00
Add 50c to per 100 price for 2 in. stock.		

A. A. GANNETT GENEVA, N. Y.

Jensen & Dekema CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO

Your Money is well spent when you advertise to

THE FLORISTS' EXCHANGE

PARLOR or German Ivy, 2 1/2 in., \$3.00 per 100

VERBENAS, best strain, all colors, 2 1/2 in., \$3.00 per 100.

PETUNIAS, California Giant, 3 to 4 in., \$5.00 per 100; Inimitable or dwarf, 2 1/2 to 3 in., \$3.00 per 100.

SWEET ALYSSUM, Carpet of Snow or Little Gem, 2 1/2 in., \$3.00 per 100.

SUMMER CHRYSANTHEMUMS, 3 in., \$3.00 per 100.

NASTURTIUMS, dwarf, 3 in., \$3.00 per 100.

COSMOS, white, red and pink, 3 plants in a 3 in. pot, separate colors, \$1.00 per 100.

CENTAUREA GYMNOCARPA, 2 1/2 to 3 in., \$3.00 per 100.

KENILWORTH IVY, 2 to 2 1/2 in., \$3.00 per 100.

BOSTON and SCOTTII FERNS, strong plants, ready for 4 in., \$5.00 per 100. **WHITMANI**, 2 1/2 in., \$7.00 per 100.

CLEMATIS JACKMANNI, the true variety, from Europe, 6 in. pots, 3 feet high, 35c. to 50c. each.

HYBRID ROSES, grafted, from Europe, best varieties, such as Mrs. John Laing, Paul Neyron, Magna Charta, Jacqueminot, etc., also Hermosa, 6 in. pots, 2 1/2 to 3 feet high, 25c. to 50c. each.

BABY RAMBLERS, 5 1/2 in. to 6 in. pots, grafted stock, from Europe, 25c. to 40c.

ARAUCARIA EXCELSA GLAUCA, last Spring (1907) importation. Only specimen plants can be offered of the beautiful type, 6-7 in. pots, 25-30-35-40 in. high, same in width, 6 year old, 5 tiers, \$1.75, \$2.00, \$2.50 to \$3.00 each.

Have just received per Steamer Zealand (May 1) from Antwerp about 5000 Araucaria Excelsa of all sizes. Plants, 3 tiers, 8-10-12 in., 40c.; 12 to 14 in., 50c.; above, 60c. to 75c.

KENTIA BELMOREANA, 4 in., 20 in. high, 35c.; 5 in., 20 to 25 in. high, 50c. Forsteriana, the same; larger sizes, 6 in. pots, \$1.00 each.

DRAECENA BRUANII, 6 in., 35c.

TORENIA FOURNIERI, \$1.00 per 100.

TAGETES, or MARGOLD, Eldorado, 3 in., \$3.00 per 100.

DIANTHUS, or Chinese and Japanese Pinks, 3 in., \$3.00 per 100.

MOON VINES

Don't forget we lead the world in Moon Vines. We are the growers and wholesale shippers of the famous Ipomeea Multiflora. Fully 20,000 are grown and shipped by us to every city of every state in the United States, and to Canada and Mexico. Have a reputation in this variety for the past twenty years, and the record shows that the amount demanded every year grows enormously. This favorite variety flowers very early. Is a rapid grower, blooms freely in big clusters, with pure white waxy flowers as big as a saucer and is very fragrant. 4 in. pots, nicely staked up, 12c.; 2 1/2 in., \$5.00 per 100.

Cash with order, please.

All goods must travel at purchaser's risk.

CARNATIONS

Fine healthy plants. From 2 1/4-inch pots. \$2.50 per 100; \$20.00 per 1000; 500 at 1000 rate.

3750 GENEVIEVE LORD 1000 PROSPERITY 500 HARLOWARDEN 1700 QUEEN

CHRYSANTHEMUMS

Fine young stock from 2 1/4-inch pots. Ready now. \$2.50 per 100; \$20.00 per 1000; 500 at 1000 rate.

White	500 Golden Beauty (late)
1500 Opal	
1500 Polly Rose	
1200 Touart	
375 Ivory	2000 Glory of the Pacific
400 Beatrice May	
Yellow	150 Pink Ivory
650 Col. Appleton	700 Wm. Duckham
700 Bonaffon	600 Maud Deo
750 Golden Wedding	50 Helen Frick

THE H. WEBER & SONS CO. OAKLAND, MD.

CARNATIONS

WINONA. The true pink. \$12.00 per 100; \$100.00 per 1000.

100	1000
Red Chief	\$5.00 \$40.00
Aristocrat	6.00 50.00
Winsor	6.00 50.00
Beacon	6.00 50.00
White Perfection	3.00 25.00
Rose Pink Enchantress	3.00 25.00
Enchantress	3.00 25.00
Lady Bountiful	3.00 25.00

F. DORNER & SONS CO. LAFAYETTE, IND.

CARNATIONS

We have made rooted cuttings a specialty for several years, and our stock this season is in fine condition and we are sure will give satisfaction. Prices are as low as we can furnish No. 1 stock. We guarantee satisfaction and will gladly furnish samples if desired.

White Lawson, Lady Bountiful	\$2.50 per 100; \$20.00 per 1000.
Queen, Boston Market, Pink Lawson, H. Gaddard	\$1.50 per 100; \$15.00 per 1000.
Victory	\$3.00 per 100; \$25.00 per 1000.
Craft	\$2.00 per 100; \$20.00 per 1000.
Cardinal	\$2.00 per 100; \$17.50 per 1000.
Harlowarden	\$1.50 per 100; \$15 per 1000.
Enchantress	\$2.00 per 100; \$18 per 1000.
White Perfection	\$2.50 per 100; \$22.50 per 1000.

Cash with order or satisfactory references. SMITH & GANNETT, Geneva, N. Y.

CARNATIONS

3000 ENCHANTRESS, out of soil, \$3.00 per 100, \$15.00 per 1000.

QUIDNICK GREENHOUSES, Quidnick, R. I. Anthony P. O. J. H. CUSHING, Prop.

CARNATIONS From Pots

100	1000
QUEEN	\$2.00 \$18.00
HARLOWARDEN	2.00 18.00
MRS. PATTEN	3.50 30.00
LADY BOUNTIFUL	3.50 30.00
ENCHANTRESS	3.50 30.00
ROSE PINK ENCHANTRESS	4.50 35.00
WHITE ENCHANTRESS	6.00
PINK IMPERIAL	6.00
JOHN E. HAINES	5.00

S. G. BENJAMIN, Fishkill, N. Y.

JOHN E. HAINES BETHLEHEM, PA.

is the place to order rooted cuttings of the following varieties for 1908: John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000 Place orders early for December delivery.

AFTERGLOW

Strong Rooted Cuttings now ready \$12.00 per 100 \$100 per 1000.

R. WITTERSTAETTER (Originator)

Station F. CINCINNATI, O.

THE WEEK'S WORK

Timme's Timely Teachings.

Hydrangeas.

June propagation from tip cuttings of field-grown hydrangeas furnishes the best of medium-sized plants for the following year's Memorial Day trade. It is for that occasion growers should not fail to provide annually to a somewhat greater extent in stock of this class than they are in the habit of doing for Easter, since the demand for well-grown, not over large hydrangeas of the hortensis and otaksa types for cemetery decoration far exceeds the call for and sales of similar stock, large or small sized, at any other time throughout the flowering season of greenhouse grown hydrangeas. Left-over plants from Easter, unsold hydrangeas now past their prime as salable plants, should be cut back to about half the length of their branches, less severely as the season advances, and not any at all after the latter part of June. If pruned down too closely or too late in the season, next year's bloom-producing wood is cut away and instead of it a luxuriant growth will spring forth from around the base of the old wood which will not come into bloom until a year later. Continuous pot culture keeps Hydrangea otaksa in better form, especially if the plants have attained considerable spread and size, than the planting out in the free ground of borders, of urns or the field. The younger stock is easier cared for and greatly invigorated by being grown in field rows during the Summer months, and it is now the right moment to guard as far as possible against unshapeliness in the growth to be made there, by judicious pruning. Neither these nor the plants remaining in tubs or pots should be trans-shiped from their present safe quarters to the open, until all danger from injury by inclement outdoor conditions is past. The stock most in need of faithful attention at present are the Memorial Day plants.

Memorial Day Trade.

Retail florists and growers for the general trade in bedding and potted plants have come to regard the business as transacted before, at and after the close of this month of sufficient importance to be well prepared for its coming. Were they less anxious to be in perfect readiness for the time, when their season of harvest is naturally at its height, they would prove sadly deficient in all the qualities that characterize men of business. The fact that Memorial Day happens to come at that busiest of periods should therefore furnish no cause for urgent calls to be prepared. The kinds of stock grown especially for that particular phase of trade are few and call for the same amount of good care and regular attention good growers are wont to bestow on whatever they raise. All species of the more common greenhouse and bedding plants are in demand for the decoration of graves and cemetery lots; all sorts of pot grown flowering plants are looked upon as most appropriate, and are bought in untold numbers. Hardy evergreen creeping and trailing plants are also largely used, and of these the small and large-leaved English ivies are most favored by all classes of people. Large numbers of lobelias, phlox, verbenas, torenias and similar flowering plants of low growth are disposed of, while the sales in bright colored foliage plants, especially those of service in carpet bedding, have fallen off in late years. A certain amount of business is always done in made-up floral pieces, flat bunches, interspersed with plentiful green, crosses and wreaths being most called for. Last—and this time also least—in line to be enumerated as material employed in the adornment of the final resting places of beloved friends and relatives, are the many kinds of tinware, metal wreaths, cast-iron floral

CARNATION CUTTINGS AND PLANTS

ONLY THE BEST VARIETIES SEND FOR OUR LIST Chicago Carnation Co. A. T. PYFER, Mgr. JOLIET, ILL.

To Move Quickly Choice Stock No Fancy Prices

DRACAENA—Indivisa

20,000 3-in., ready for shift..... \$5.00 per 100
 600 5-in..... 30c. each, \$3.00 per dozen
 1,000 6-in..... 50c. each, \$5.00 per dozen

VINCA VARIEGATA

15,000 3 and 4-in., well rooted, splendid color.....\$6.00 and \$10.00 per 100

ASPARAGUS—Sprengeri and Plumosus

3 and 4-in.....\$6.00 and \$10.00 per 100

ROSE PLANTS

Excellent, well-rooted stock

Uncle John, Ivory, Golden Gate, Bridesmaids and Brides.....\$1.00 per 100, \$35.00 per 1000

HYDRANGEA—Otaksa

2 1/2 in.....\$2.50 per 100, \$21.00 per 1000
 Larger plants, 4, 5, 6 and 8 in. in bud and bloom, ready for immediate sales.....\$10.00 per crate



AMSTERDAM, N. Y.

GREENHOUSES: Town of Florida, Hoffmans, N. Y.

STORES: Amsterdam and Schenectady, N. Y.

designs and brightly painted, fadeless flowers, works of art, raised in factories and growing in popularity.

Plants for Stock.

This is a good time to select from among the plants, now soon to be beyond the grower's reach, the very best in all respects to be reserved as stock plants for future propagation. Of some kinds quite a number must be set aside for this purpose, of others but a few are needed; but in every case these should be the finest, the thriftiest, most floriferous of their kind, the ones certain to be selected by the first customer happening to want a dozen or two of that variety. To merely mark or label them is not sufficient; the better plan is to carry them away at once, out of sight of every buyer, if possible. It saves needless explanation and in many instances the plants also for the grower's own use. The inevitable picking out of the best from a fairly even graded lot of plants by home buyers is one of the nuisances every retail grower must put up with. By being the first on the scene of contest in securing his stock plants the grower's anger at seeing the example, set by himself, followed by every one after him, should be appeased to the extent of finding little fault with the universal scramble for the best.

Wallflowers.

Many are the kinds of plants grown for a spirited retail demand that never cease a spark of pleasant surprise to light up the searching eyes of buyers. Really new things in the plant line, strikingly attractive and of unquestionable merit, are as scarce as diamonds—and cost as much sometimes. It is then up to the resourceful grower of market plants to find a way out of the dilemma. To be up-to-date means to be years ahead of time; but it also means to be plucky enough to draw from undeserved obscurity into the light of present day recognition favorites of bygone times. Of such wallflowers are none the least worthy of rehabilitation. Well-grown potted plants of the best dwarf English varieties are as new to most people of our present generation as anything but recently discovered or bred into existence, and, as a rule, the old-time charmer is greeted with numbing delight, while the latter merely arouses a sort of passive interest. The culture of the wallflower is of the simplest. From now until the middle of June the last sowings are made, preferably under the closed and darkened sashes of a cold frame. In about a week the seedlings are up, when air and light is admitted, the sashes to be laid off entirely in fine weather. If sown thinly no transplanting is necessary before the seedlings are large enough to be set out in fairly good garden ground. By next Fall they will have grown into nice, compactly-shaped bushes usually studded with buds. They are then potted up into rich old compost, placed in frames, held somewhat close for a few days and ultimately removed to a cool, airy greenhouse before heavy frosts occur. Their time of flowering, dependant on when the seeds were sown, is from Midwinter until away into the beginning of the hot season.

Forcing Varieties.

While a fine strain of English wallflowers furnishes the best subjects for pot culture, for being forced in moderate heat into blooms for cutting, the French single-flowered varieties are the kinds to grow. They also are sown from about March until June, to have a succession of crops, and are afforded the same treatment during the Summer while making growth, including good field cultivation, as the old English sorts. But, when grown in quantity—as has been done in late years with no less in the way of adequate remuneration than is to be expected in the culture of the best paying of cut flower crops the plants, instead of being potted up when lifted from the field in late Fall had better be planted in the soil of a bench, that in which chrysanthemums were grown being as good as any. Thus it is possible to wedge conveniently in between chrysanthemums and Spring work an easily raised, profitable crop.

Stocks.

In much the same manner as wallflowers the better strains of Fall and Winter-flowering stocks are raised, and the value of their flowers for cutting and that of the plants for pot culture have in recent seasons induced many to devote considerable space to their culture. Seeds of these, and of the annual Ten Week stocks also, can from now on be sown in freely exposed seed beds somewhere about the garden, and will there sprout into a sturdier life than on any other place enclosed by wood and glass. Transferred to the field and given good tillage they will show buds in time to be potted up or bunched before frost can hurt them. The doubles, easily distinguished from the single-flowering plants by the form of the buds, are the only ones worth housing, unless the grower intends to raise his own seeds from an exceptionally fine strain not likely to be obtained from any other source of supply. From single-flowering stocks alone can seeds be raised, the doubles having no part whatever in the production of seeds. The percentage of double-flowered plants from a trade package of good seeds of Ten Week and Brompton stocks, as now to be purchased, often runs high, while in the case of English wallflowers the reverse obtains. But singles in wallflowers come very near to being as desirable plants as the double-flowering, which latter may, if deemed needful, also be perpetuated by cuttings which at this time of year root quite readily. FRED. W. TIMME.

SWEET LAVENDER

LARGE PLANTS, 4 in. pots, 2 yrs. old, of the true old-fashioned sweet LAVENDER, 10c. each; \$1.00 per doz.

R. G. HANFORD, Norwalk, Conn.

VIOLET CULTURE

Price, \$1.50 Postpaid

A. T. DeLaMare Ptg. & Pub. Co. Ltd., New York

GRAFTED ROSES

FINE STOCK. READY NOW

Killarney, Carnot, Kaiserin Augusta Victoria, Uncle John, from 2 1/2 in. pots, \$2.00 per dozen; \$15.00 per 100; from 3 in. pots, \$3.00 per dozen; \$18.00 per 100.
 The Bride, Bridesmaid, Golden Gate, Richmond, from 2 1/2 in. pots, \$2.00 per dozen; \$12.00 per 100; from 3 in. pots, \$2.50 per dozen; \$15.00 per 100.

OWN ROOTS

Killarney, 2 1/2 in. pots, \$1.00 per dozen; \$6.00 per 100.
 Richmond, Sunrise, Sunset, Kaiserin, Pres. Carnot, from 2 1/2 in. pots, \$5.00 per 100.
 Bride, Bridesmaid, Golden Gate, from 2 1/2 in. pots, \$4.00 per 100.

CARNATIONS

From Pts: Fine Healthy Stock.
READY NOW:
 Winsor..... 100 1000
 White Enchantress..... 7.00 \$60.00
 Helen M. Gould and Beacon..... 7.00
 Melody..... 5.00
 Daheim and Estelle..... 4.00
 Mrs. T. W. Lawson, Boston Market and Harlowarden..... 3.50 30.00
 Kingston Pet, darker than Rose Pink Enchantress, from pots 7.00
 Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson..... 4.00 35.00

CHRYSANTHEMUMS

A. J. Balfour, Autumn Glory, Ada Spaulding, Col. D. Appleton, Cremo, Calligordiff, Dr. Enguehard, Dorothy Devens, Geo. Kalb, Glory Pacific, Harry May, H. W. Rleman, Ivory, Jennie Nonin, J. E. Lager, J. H. Troy, Mrs. H. Robinson, Maud Dean, Meta, Mrs. Jerome Jones, Miss Minnie Wanamaker, Miss Alice Byron, Mrs. Bner, Miss M. M. Johnson, Major Bonaffon, Mad. Ferd. Bergmann, Nagoya, Polly Rose, Pink Ivory, Robt. Halfiday, Soleil D'October, Timothy Eaton, Vivian-Morel, W. H. Lincoln, Mrs. Robt. McArthur, Wm. Duckham, Xenia, Yanoma, F. A. Cobbold. Price from 2 1/2 inch pots, \$3.00 per 100; \$25.00 per 1000. Rooted Cuttings, \$1.50 per 100.

CANNAS

Strong plants from 3 1/2 in. pots (30 fine named varieties), \$6.00 and \$3.00 per 100.

VERBENAS

Best Mammoths, from pots.....\$3.00

Send for catalogue

WOOD BROTHERS, Fishkill, N. Y.

500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant tints and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky.

Fall transplanted plants ready to bud and bloom. Price \$10.00 per 1000. Larger Sizes \$15.00 and \$20 per 1000.

EXPRESS ONLY CASH WITH ORDER

I. E. COBURN, - 291 Ferry Street, - EVERETT, MASS.

ASPARAGUS, BOSTONS, AZALEAS

Plumosus Nanus, 2 1/2 in., \$3.50 per 100, \$30.00 per 1000; 3 in., 6c.; 3 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. Comorensis, 2 in., 2c.; 2 1/2 in., 3c.; 3 1/2 in., 6c. Sprengeri, 2 1/2 in., 3c.; 3 1/2 in., 8c.; 4 in., 10c.

Bostons, 2 1/2 in., 4c.; 3 in., 6c.; 4 in., 10c.; 7 in., 65c.; 8 in., \$1.00 to \$1.50; 10 in., \$1.50 to \$2.00.

Azaleas. We are now booking orders for delivery. Our stock is the best in the West.

Greenhouses at Clayton, Mo. J. W. DUNFORD, Kings Highway and Page Bldg., St. Louis, Mo.

PLANT CULTURE

The Best Book for the Plan Grower \$1.00

A. T. DE LA MARE PTG. & PUB. CO. LTD., 2-8 DUANE STREET, NEW YORK

Prices Advertised in these Columns are for

THE TRADE ONLY— When Writing Please Mention THE FLORISTS' EXCHANGE.

Boston.

May Exhibition.

The annual May exhibition of the Massachusetts Horticultural Society was held in Horticultural Hall on Saturday and Sunday, and while not as extensive as on some former occasions, still there were a number of fine exhibits. Hardy bulbs have not been as fine in this locality as last year, consequently exhibits of these were lacking in quality. Perhaps the finest exhibit of bulbous stock was the collection of Spanish irises put up by George Page, gardener to Mrs. Frederic Ayer, R. & J. Farquhar & Company had an extensive collection of tulips, including all of the best early varieties. W. W. Rawson & Company made a display of tulips, which included many sorts. The Harvard Botanical Gardens (Robert Cameron, gardener) staged an extensive display of hardy Spring and bulbous flowers. Displays were also made by W. S. Spaulding (Mr. Coles, gardener); by Wm. Whitman (Martin Sullivan, gardener), and by Langwater Gardens (W. N. Craig, gardener).

One of the finest exhibits in the hall was a vase of forced phlox Miss Lingard from W. N. Craig. The spikes of this fine variety were immense and far superior to any that could be grown out of doors.

J. T. Butterworth had on exhibition a beautiful plant of Cattleya Mossiae "Mrs. Butterworth" which received a first-class certificate of merit. Mr. Butterworth also made quite an exhibit of lily of the valley in pots.

In the prize collections the principal exhibitors were James Crosbie, who was the only exhibitor of calceolarias, Martin Sullivan, W. N. Craig, Mrs. E. M. Gill and J. L. Smith.

There was a much finer exhibition of vegetables than is generally shown at this season, one collection, that of Mr. Coles, including peas, beans, tomatoes, squash, corn, etc., all grown under glass.

News Notes.

Israel Quint has disposed of his greenhouse property on Shawmut avenue and has bought a lot near Warren street and Humboldt avenue, where he intends building two houses and continuing in the general retail trade as formerly.

One of the best examples of planting of Spring-flowering bulbs may be seen now at the Harvard Botanical Gardens, where Mr. Cameron has used them extensively through his hardy border. His collection includes many fine species of narcissi, tulips, muscaris, fritillarias, etc.

Charles Evans is having a fine lot of well-grown hydrangea plants at the market these days.

H. H. Barrows & Son have a nice supply of Nephrolepis Whitmani, which has a steady demand for well-grown plants. George Cartwright handles the Boston end of their plant trade.

McMullin had a novelty in the shape of pots of crimson clover in his window last week which was quite an attraction.

Club meeting Tuesday night next; come and hear F. E. Palmer on "The Art of Selling." J. W. DUNCAN.

Worcester, Mass.

Outside work is coming on rapidly now; grounds are being laid out and considerable hardy stock is being planted. The stores that sell plants as a side line are spreading out their goods as if they meant business, but it is a little early for this vicinity. The florist stores will not show much bedding stock until another week.

Lange shows some remarkably fine kalimias this week. Specimen plants in 10-inch pots covered with bloom.

Several of Worcester's oldest residents passed away this week. Among the floral tributes sent out was a noticeable one from Littlefield, being a huge wreath of boxwood interspersed with English primrose. The arrangement of such a small flower with the coarse boxwood was so tastefully done that it brought out many compliments from expert designers and reflected much credit on Mr. Randall, who did the work. Another piece deserving mention was a floral harp, 4 feet in height, designed by Mr. Crothy at F. B. Madans' store.

Sargent laid out a large pansy bed in the office grounds of the Northern Emery Wheel Company last week, it being in the shape of their trademark.

At Hugo Book's greenhouses there is one house of white carnations—Boston Market—with a crop just coming on



MEMORIAL DAY

<p>New Crop Dagger and Fancy Ferns - - \$2.00 per 1000</p> <p>Bouquet Green - \$7.00 per 100 lbs.</p> <p>Boxwood - - \$18.00 per 100 lbs.</p> <p>Leucothoe Sprays - \$1.00 per 100</p> <p>Branch Laurel - 50c. per bunch</p>	<p>Brilliant Galax, Bronze \$1.00 per 1000; \$8.50 per 10,000</p> <p>Brilliant Galax, Green \$1.00 per 1000; \$7.50 per 10,000</p> <p>Laurel Festooning, good and full - - 5c. and 6c. per yd.</p> <p>Laurel Wreaths - \$3.00 per doz.</p>
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Headquarters for all Florists' Supplies, such as **Wire Designs, Cut Wire, Letters** of all kinds, **Immortelles, Cycas Leaves, Sheaves of Wheat, Ribbons, Boxes**—Folding Blue and Corrugated, etc.

HENRY M. ROBINSON & CO.

L. D. Telephones **15 Province Street**
Main 2617-2618 **9 Chapman Place** **BOSTON, MASS.**

Roses
Carnations
Lilies, Callas,
Asparagus Plumosus, Sprengerii

In any quantity.

We can fill your order, large or small.

Place your orders with us.

We never disappoint. Satisfaction guaranteed. Write, telegraph or 'phone

Henry M. Robinson & Co.

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15 Province Street **BOSTON, MASS.**
9 Chapman Place

Daffodils,
Sweet Peas,
Special Valley
Orchids
Spiraeas
and Candytuft

which will be a valuable asset at Memorial Day.

At the Worcester County Horticultural exhibition last week H. F. A. Lange showed six plants of the new *Salvia Zurich*, an early and prolific bloomer, inclined to a dwarf growth, with long spikes of bright red flowers. E. W. Breed showed some fine specimens of hyacinths, outdoor culture, on which he took first premium.

Lewis, the new florist, shows a good deal of enterprise in his venture uptown; his window displays are constantly changing and attract large crowds, both outside and inside. One of the prettiest this week was a large fountain throwing countless streams high in the air, falling in spray into a sparkling pool, covering rocks and mosses, wherein were swimming goldfish. The arrangement called forth much admiration.

Several of the growers in this section have adopted the method of growing their carnations inside during the Summer. At the Worcester Conservatories they have already planted one house of Beacon and another of Winsor. The result of this method last season was highly satisfactory.

C. D. Thayer has a house of sweet peas and mignonette right in their prime.

A. L. Bemis is showing some extra good stock of shrubbery at his new office and exhibition ground on Park avenue. RUNABOUT.

Newport, R. I.

Trade Notes.

The nursery trade is again favored with a late season in this section, giving ample time for the handling of stock. While the past Winter was not what is considered a hard one, yet some shrubs which are generally thought hardy were badly winter killed; among these are the hypericums, and some of the viburnums, notably Sieboldii. The unusually high winds experienced since the Spring opened have been very trying on young, newly transplanted stock.

At the New England nurseries V. A. Vanieck has been unusually busy, his only trouble being in not having enough of certain items to meet the demand. The local call is fully up to the average and his shipping trade away ahead of last year's.

At Stewart Ritchie's greenhouses everything is in apple pie order as usual. His new carnation house is completed; it is up-to-date in every particular, is built to stand, the materials being cement, iron and glass. His carnations to

fill the houses are now in the field and looking first-class. He proposes in planting to use but one variety—Enchantress. Mr. Ritchie is now busy preparing for his vegetable and flowering plant trade. He is now picking some sweet peas of the Burpee strain, which show fine flowers on long, stout stems and the foliage is extra fine, being quite distinct from the ordinary.

The dahlia growers report a good demand for their favorite flower; both Messrs. Sisson and Mannel are kept on the jump putting up orders. The double cactus varieties appear to be most in favor.

Some of our gardeners have discovered a new pest in the stem of the native rhododendrons a borer doing the damage which has usually been charged to winter-kill. A good plan with this new pest is to cut out and burn all parts affected. ALEXANDER MACLELLAN.

CHAMPAIGN, ILL. The plans for the new horticultural experiment building are now drawn and are to be given to contractors for bids within a few days. The building is to cost \$10,000, and in addition to a greenhouse 200 feet long, will have a boiler room, work room and general office space.

1877

We Can Fill Orders For

1908

DECORATION DAY

FROM

WE can ship you better quality flowers for less money than you can obtain if you come to Boston to purchase them, besides saving you the time and expense.

We filled all orders sent us at Easter; can do so now.

75,000 CARNATIONS
30,000 SPIRÆAS
25,000 STOCKS
50,000 ROSES Including 5,000
AMERICAN BEAUTY
500,000 HARDY FERNS

**HARRISII LILIES, LILY OF THE VALLEY,
 SWEET PEAS, PINK POND LILIES,
 PÆONIES, and all Seasonable Flowers**

ORDERS going a long distance will be packed with greatest care. There is no question about the quality of flowers we send out; they are raised by the most successful growers in the country and always prove profitable to those who purchase them.

WELCH BROS.

226 Devonshire Street, TELEPHONES 6267 and 6268 Main BOSTON, MASS.

New York.

News Notes.

Consignors of cut flowers to this market have received a letter from the American Express Company's agent, which reads as follows and which is self-explanatory: "We beg to inform our patrons that under the classification now filed and effective May 20, 1908, to obtain the nominal charge for transportation of returned empty packages, which were shipped when full by express, such packages must be delivered at or taken from the company's depot office by the owner.

"Where request is made that wagon service be rendered in connection with such packages, it will be furnished at offices where the company maintains wagon service, but a charge will be made of 10c. per hundred pounds (pound rates) with minimum of 10c. per shipment in addition to the charge for transportation, and where such wagon service is rendered at point from which the empties are returned, the entire charge must be prepaid, and no further charge will be made at destination."

The weather was extremely warm this week and its effect on indoor-grown flowers is very perceptible. Carnations, particularly, are off color and not so lasting. His friends in the trade will be sorry to learn that John Whalley, who for some years was arboriculturist in Prospect Park, Brooklyn, subsequently being associated with the Andorra Nurseries and recently coming back to live in New York City, died a short time ago from rheumatism of the heart.

The Horticultural Society of New York held its annual meeting and exhibition at the New York Botanical Garden on Wednesday and Thursday this week. At the Wednesday afternoon meeting Dr. B. T. Galloway gave a lecture on violets.

A. J. Guttman moves to-day (Saturday) from 13 West Twenty-eighth street to his new location, 32 West Twenty-eighth street. George Salford will occupy the store vacated by Mr. Guttman,

At a dinner given by Phil. Kessler in the Moquin Restaurant last week to the newly elected president and directors of the Cut Flower Exchange, George C. Watson of Philadelphia, who happened to be in town on that day, was one of the invited guests.

Chas. P. Millang, florist of Bayside, L. I., filed a voluntary petition in bankruptcy last week, with liabilities of \$7,242.97 and assets \$4,787.15.

Ant. C. Zvolanek will make a trip to California after Decoration Day, probably about June 1 or 2, to inspect the sweet pea crops.

The protest of A. Herrmann against the customs decision on hollow heads and figures of earthenware has been sustained, G. A. 6229 (T. D. 26915) being followed.

Philadelphia.

Around Town.

Mrs. M. A. Garrett, 2636 Germantown avenue, is trying to have the best equipped retail store on the avenue, and from present appearance it looks as though she would have her way. The entire inside of the place has been torn out and the masons, carpenters and painters are renovating it. The color scheme is white and gold and the general appearance will be very pleasing.

Win. A. Wyatt, 236 North Thirteenth street, reports a large number of sales on Saturday of white carnations and found that he had not laid in enough to supply the demand.

Sunday, May 10, was a day set apart in which to honor the mothers of our country, and large numbers of men, women and children were wearing a white carnation. Special services were held in the local churches and Sunday schools commemorative of the universal debt owed to mothers. The florists welcomed this feeling, as thousands of white flowers were sold on Saturday and the demand exceeded the supply; several were caught unprepared and had but little stock on hand when it was too late to obtain more.

The Quality Shop (Bacharach's), at Fifty-ninth and Market streets, gave away about 1,500 white carnations and every motorman and conductor on the cars passing this corner was given a boutonniere to be worn on Sunday.

The "Sign of the Rose" shop, opposite the Bellevue-Stratford, had a very attractive window display—a bowler of carnations and dogwood. Mr. Fox says that hundreds of people stopped, looked, and then came in and purchased a white flower for "Mothers' Day."

"Mothers' Day" was first set aside by a Philadelphia woman in memory of her mother; on this day she wore a white carnation, because it was her mother's favorite flower, and she petitioned Congress to have the day regularly set aside for purpose of a memorial to the great "mother spirit," but Congress refused to do so. She is Miss Anna R. Jarvis, 2031 North Twelfth street.

Arthur E. Schroeder has been located at 32 South Fortieth street for nearly two months and reports business much better than he had expected. Mr. Schroeder has a very nice store and has named it, "The West Philadelphia Flower Shop."

One of the busiest stores in the center of the city is that of F. Herbert Steinmetz, 61 North Eighth street, who has a large transient trade, also a lot of design work, of which he makes a specialty.

Monday, May 18, will be celebrated in the public schools as "carnation day," and some good orders are being placed now with the commission houses in expectation of another good day's business in this flower. Each pupil will be furnished with a white carnation in the morning and will wear it through the day.

H. Bayersdorfer & Company have just received a large shipment of bric-a-brac and table decorations, also some extra nice cemetery vases, of which they have an unusually fine display. The vases are of the non-corrodible type and have proven ready sellers. P. M. R.

New Orleans.

News Notes.

The members of the New Orleans Horticultural Society, with several guests, including the Hon. Martin Behrman, mayor of New Orleans, were the guests of A. Alost, florist at Rose Villa on Gentilly avenue, Sunday, May 3. The Joseph Steckler Seed Company supplied the vehicles which conveyed the party to their destination. A stop was made at the establishment of Herman Doescher to inspect his new range of greenhouses and his crop of cucumbers, among which are several promising new varieties; the party complimented Mr. Doescher upon his success. A second stop was made at the large orange and pecan grove of Gustave Seeger, which the members found instructive as well as interesting. Arriving at Rose Villa the party was introduced to Mayor Behrman and the banquet was begun. C. R. Panter, secretary of the society, was made toastmaster, and a very enjoyable time was spent. Mayor Behrman thanked the society for having invited him and electing him an honorary member. Among the speechmakers were Charles Eble, president of the society; Professor A. H. Rosenfeld of the Crop Pest Commission of Baton Rouge, Joseph Steckler and others. After an entertainment in which all took part, which consisted principally of singing, the guests thanked Mr. and Mrs. Alost, their son and two daughters for their royal reception and departed for their various homes.

A second shipment of orchids consisting of eight cases, from James A. Newsham, arrived in first-class condition. Mr. Newsham is expected home the coming week and writes that he is bringing sixty additional cases with him.

After experiencing two weeks of scorching weather the thermometer took a drop of about 30 degrees and we have been having rather pleasant even if unseasonable weather for the beginning of May. CRESCENT CITY.

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Wholesale Prices of Cut Flowers, New York, May 13, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special...	8.00 to 15.00	Carnations	Ind'l grades, all colors.....	.50 to .75
	" extra	5.00 to 8.00		STANDARD White	1.00 to 1.50
	" No. 1	4.00 to 5.00		" Pink	1.00 to 1.50
	" No 2	2.00 to 3.00		" Red	1.00 to 1.50
	" No 3	.50 to 1.00		" Yel. & Var.	1.00 to 1.50
	Bride, Maid fancy-special...	4.00 to 5.00		" White	1.50 to 2.00
	" extra	2.00 to 3.00		*FANCY—	1.50 to 2.00
	" No. 1	1.00 to 2.00		("The highest grades of	1.50 to 2.00
	" No. 2	.50 to 1.00		standard var)	1.50 to 2.00
	" No. 3	1.00 to 6.00		NOVELTIES	2.00 to 3.00
Golden Gate	1.00 to 10.00	GARDENIAS, per doz.	1.00 to 3.00		
RICHMOND	1.00 to 6.00	LILAC, per bunch	.25 to .50		
Mme. Abel Chatenay	1.00 to 6.00	LILIES	3.00 to 5.00		
ADIANTUM	.50 to .75	LILY OF THE VALLEY	1.00 to 2.00		
CROWANUM	.50 to 1.50	MIORNETTE	1.00 to 2.00		
APPARAGU	25.00 to 50.00	NARCISSEUS (Paper White)	..... to .50	
" Plumosus, bunches	10.00 to 20.00	" Yellow	.50 to 1.00		
" Sprengel, bunches	10.00 to 20.00	PORTICUS	..... to .50	
CALLA	3.00 to 6.00	SMILAX	8.00 to 10.00		
CATTLEYS	35.00 to 50.00	ANTIRRHINUM (per bunch)	.75 to 1.00		
CYPRIPEDIUM	5.00 to 8.00	SWEET PEAS (per doz. bunches)	.25 to 1.00		
DAISIES	.75 to 1.00	TULIPS	1.00 to 2.00		
 to to		

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Detroit.
Trade and News Notes.
The dull weather of last week has reduced the cut to such an extent that a most healthy market condition has been brought about. Several weddings and bouquets helped to exhaust the supply.

Maurice Wolff, a peddler, had some space rented at a fashionable ice cream parlor for the sale of flowers, and the proprietor seeing how much business he did decided to sell the flowers himself, and now friend Wolff is on the street again.

While this is nothing new, another great question is behind it. We all have strong grounds for disliking the fakir and still his existence is justified and in many instances is a necessity. True enough, he not only disposes of local surplus, but also imports from other cities; this may be justified by his right to prolong his existence when his local supply fails temporarily. All in all, the fakir is a substitute florist and not being engaged in any other legitimate business he helps to prevent loss to the grower and popularizes our product among a class of people which otherwise would allow their dimes and quarters to run into other channels of commerce.

Much more serious to the local trade is the supplying of flowers by wholesalers, in other cities to a man who is established in the legitimate business of selling candies and ice cream. A lot of surplus carnations from another city is dumped here at rock bottom prices to compete with stock purchased by florists, probably from the same wholesaler, at regular market prices. This seems to me a gross violation of business principles; and I doubt very much if wholesale candy houses would unload their surplus at rock bottom prices to florists to enable them to carry on a ruinous competition against legitimate retail candy sellers.
FRANK DANZER.

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Pittsburg.

Trade News.
Trade conditions have changed but little the past week, being very dull, with only a little more funeral work than usual. Stock seems plentiful, varied and low-priced. The past week's weather was as bad as that of the preceding one—rain every day—and the plantsmen are getting uneasy about trade, as nothing is moving out, and it also means a few hard weeks before Decoration Day to get rid of stock.

John Bader spent some days in Richmond, Va., the past week.

George W. Sloop, State orchard inspector, gave several public demonstrations for the suppression of the codling moth in the orchard of J. W. Nesbit, a few miles from the city. The mixtures used in spraying were fully discussed, as well as the prevention and destruction of other orchard fungi and pests. This is part of the work undertaken by the State through Professor H. A. Surface to demonstrate modern methods of orchard management.

William Hamilton, who resigned as park superintendent of the North Side a few weeks ago, was presented a fine Turkish rocking chair by the employees of the North Side parks, who had served under him for some years.

Club Notes.

The May meeting of the Florists' Club was well attended considering the busy time of the year, and a fair display of plants was shown. The subject was "Bedding Plants." The exhibitors were N. Madison, gardener to Mr. R. Boggs, who had a magnificent plant of *Caleolaria hybrida* with yellow flowers so plentiful that the leaves were barely visible. Frank Cook, gardener to Mr. J. A. Park, showed a *Dendrobium thyrsiflorum*, with three grand spikes of bloom, and a fine plant of *Mignonette Defiance*. F. Bartsch staged fine bedding stock, such as verbenas, petunias, geraniums, sweet alyssum, etc. The Schenley Park conservatories had herbaceous *calceolarias*, acalyphas, three varieties fine for bedding, *Abutilon Eclipse* and *alternanthera*.

At the next meeting in June outdoor blooms, such as peonies, roses, etc., will be shown, and the private gardeners will have a competitive display for which prizes will be awarded. This is the first on the list of the schedule of exhibits for prizes by the private gardeners and calls for 12 peonies and 12 roses (outdoor) and we shall undoubtedly have a grand display, as there is considerable rivalry among the private gardeners here.

The Pittsburg Rose & Carnation Company is again making preparations for new buildings on its farm at Bakers-town; several large houses will be put up this year. Fred Burki, president of the company, spent a few days in Cleveland, O., the past week.

E. C. REINEMAN.

Wholesale Prices of Cut Flowers—Per 100

Boston May 11, 1908	Buffalo May 13, 1908	Detroit May 10, 1908	Cincinnati May 11, 1908	Baltimore May 11, 1908	NAMES AND VARIETIES	Milwaukee May 11, 1908	Phil'delphia May 12, 1908	Pittsburg May 11, 1908	St. Louis May 11, 1908
15.00 to 25.00	15.00 to 25.00	20.00 to 25.00	to 40.00	to	A. BEAUTY, fancy-special	to 25.00	18.00 to 25.00	20.00 to 25.00	15.00 to 25.00
4.00 to 10.00	10.00 to 15.00	18.00 to 20.00	to 30.00	to	extra	12.00 to 15.00	10.00 to 15.00	12.50 to 15.00	10.00 to 12.50
4.00 to 4.00	2.00 to 6.00	3.00 to 6.00	to 10.00	to	No. 1	6.00 to 8.00	6.00 to 10.00	6.00 to 8.00	6.00 to 8.00
4.00 to 6.00	2.00 to 6.00	3.00 to 6.00	to	to	Calls and ordinary	2.00 to 4.00	2.00 to 6.00	3.00 to 4.00	3.00 to 5.00
2.00 to 4.00	2.00 to 7.00	2.00 to 8.00	to 6.00	to 10.00	BRIDE, 'MAID, fancy-special	to 6.00	6.00 to 10.00	to 8.00	5.00 to 6.00
1.00 to 2.00	3.00 to 4.00	2.00 to 4.00	to 4.00	to 7.00	extra	to 4.00	4.00 to 6.00	to 6.00	3.00 to 4.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	No. 1	to 3.00	3.00 to 5.00	to 3.00	1.00 to 2.00
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	No. 2	to 2.00	1.00 to 3.00	to	to 4.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	GOLDEN GATE	to 4.00	6.00 to 8.00	to	to 6.00
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	K. A. VICTORIA	to 4.00	6.00 to 8.00	to	to 6.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	LIBERTY	to 4.00	6.00 to 8.00	to	to 6.00
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	PERLE	to 4.00	2.00 to 8.00	to	to 6.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	ROSES	to 4.00	2.00 to 8.00	to	to 6.00
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	GOLDEN GATE	to 4.00	6.00 to 8.00	to	to 6.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	K. A. VICTORIA	to 4.00	6.00 to 8.00	to	to 6.00
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	LIBERTY	to 4.00	2.00 to 8.00	to	to 6.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	ORCHIDS—Cattleyas	to 4.00	2.00 to 8.00	to	to 6.00
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	inferior grades, all colors	to 4.00	60.00 to 75.00	to	to 6.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	White	1.00 to 1.50	1.50 to 2.00	1.00 to 1.50	.75 to 1.00
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	Pink	1.00 to 1.50	1.50 to 2.00	1.00 to 1.50	.75 to 1.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	Red	1.00 to 1.50	1.50 to 2.00	1.00 to 1.50	.75 to 1.00
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	Yellow and var.	1.00 to 1.50	1.50 to 2.00	1.00 to 1.50	.75 to 1.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	White	2.00 to 3.00	2.00 to 4.00	to 2.00	1.50 to 2.00
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	Pink	2.00 to 3.00	2.00 to 4.00	to 2.00	1.50 to 2.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	Red	2.00 to 3.00	2.00 to 4.00	to 2.00	1.50 to 2.00
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	Yellow and var.	2.00 to 3.00	2.00 to 4.00	to 2.00	1.50 to 2.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	Novelties	to 2.00	2.00 to 4.00	to	to 6.00
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	ADIANTUM	to 1.00	1.00 to 1.50	to 1.25	to 1.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	ASPARAGUS, Plum and Ter	20.00 to 30.00	35.00 to 50.00	to 50.00	to
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	" Sprenger bunches	20.00 to 30.00	35.00 to 50.00	to 50.00	to
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	CALLAS	8.00 to 10.00	8.00 to 10.00	to 6.00	to 10.50
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	CHRYSANTHEMUMS	to	to	to	to
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	DAISIES	to .40	.50 to 1.50	1.00 to 1.50	to
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	GLADIOLUS	to 8.00	4.00 to 6.00	to 2.00	to 2.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	LILIES	8.00 to 10.00	6.00 to 12.00	6.00 to 8.00	8.00 to 10.00
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	LILY OF THE VALLEY	to 2.00	3.00 to 4.00	3.00 to 4.00	to 3.00
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	MIGNONETTE	to 3.00	.75 to 3.00	2.00 to 4.00	to
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00	SMILAX	to 15.00	15.00 to 25.00	to 15.00	to 12.50
to	2.00 to 6.00	2.00 to 4.00	to 2.00	to 5.00	VIOLETS	to	to	to .50	to
to	3.00 to 7.00	3.00 to 8.00	to 4.00	to 10.00		to	to	to	to

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WHOLESALE GROWER of
CUT FLOWERS

Wholesale Prices of Cut Flowers, Chicago, May 13th, 1908
Prices quoted are by the hundred unless otherwise noted

Table with columns for ROSES (American Beauty, Golden Gate, etc.), CARNATIONS (Standard Varieties, Fancy, etc.), and other flower types with their respective prices per hundred.

GARDENIAS
Grandiflora—Cape Jasmine
We will have a big supply for Memorial Day
Class A, stems 12 to 18 inches, \$1.10 \$10.00
Class B, stems 6 to 12 inches, .85 7.50
Orders of 3000 or more, Class A, \$9.00 per 1000, Class B, \$6.50 per 1000, f. o. b.
Cash or C. O. D.

COOK & COOK, ALVIN, TEX.
GRANDIFLORA, CAPE
JESSAMINE BUDS
Selected long stemmed buds, \$1.00
per 100, delivered at any point reach-
ed by American, Wells Fargo, or
Pacific Exp. Elsewhere, \$1.25 per
100 delivered.
H. J. CONDRON, DICKINSON, TEXAS

ALBANY, N. Y.—The Albany Florists'
Club met May 7 at H. G. Eyles',
South Knox and Morris streets. Charles
Sanders, foreman for the establishment,
exhibited a seedling geranium with bright
scarlet flowers of unusual size. He told
of his life work also in an interesting
manner. In about two years he would
have completed half a century in the
occupation.
John J. Walsh, head gardener at
Washington park, and J. Lang were
elected members.

WINONA, MINN.—A recent killing
frost in this locality destroyed garden
truck, flower beds and other outdoor
products. The frost will likely mean a
heavy loss to gardeners.

CHAS. W. MCKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS and
all CUT FLOWERS and GREENS
51 Wabash Ave., Chicago

A. L. RANDALL CO.
Western Headquarters for
Up-to-Date Florists' Supplies
Write for Catalogue
Nos. 19-21 RANDOLPH ST., CHICAGO

A proposition to hold a club picnic
during the Summer... a decision, and
the project approved by a motion, which
was carried unanimously. The arrange-
ments for the same were, also, by mo-
tion, referred to the sports and pastime
committee.

The proposed change in the by laws,
changing the date of meeting to the
first Thursday in the month was ratified.
Before adjournment refreshment was
served, and an hour socially spent.

Trade Notes.
Griffith, the North Avenue Florist,
the style under which a new re-
tailer has opened up at 100 East North
avenue. Mr. Griffith was formerly con-
nected with a prominent department
store, and has had considerable experi-
ence in window dressing.

H. L. Philpot of the Chicago Floral
Company, Winnipeg, was a visitor last
week. Ballard G. Shaw, of the Shaw
Fern Company, Pittsfield, Mass., is visit-
ing the trade this week.

At the Lincoln Park Conservatory is
to be seen just now a magnificent col-
lection of Calceolaria hybrida blooming
to perfection. Some very fine pelargon-
iums in variety are also in evidence. A
section is devoted to a display of or-
chids from the Selfridge and Lincoln
Park collections, among the varieties seen
in bloom being Cattleya Mossiae, Ladia
purpurata, and Odontoglossum citreumum.
The show is worthy of a visit from every
florist within visiting distance.

The J. D. Thompson Carnation Com-
pany, Joliet, Ill., went into the hands
of a receiver last week. The business
is to be continued under the receivership,
with J. D. Thompson as manager.

The George Withold Company is busy
rebuilding and improving the south wall
of the section of its greenhouse range
fronting on Buckingham place. Cement
is being used in the construction of the
new wall.

"Carnations and roses free to custo-
mers" was a legend seen in the windows
of several prominent stores in Chicago
last week. An extension of this move-
ment might rob the ash barrel of much
of its consuming power during periods
of glut.

J. H. PEPPER.

Indianapolis.

News Items.
Tomlinson Hall market reports an
improved business over last week. Nu-
merous orders are being received for bed-
ding work; no trouble is experienced in
disposing of high-grade stock at whole-
sale.

Albert Warner, formerly with H. W.
Rienan, has engaged in the retail flower
business; his shop is located at 709
North Alabama street.

The funeral of Nat N. Hill, ex-treas-
urer of State, was the occasion for much
funeral work, both by the local florists
and those at Bloomington, Ind., the home
city of the deceased.

The Ellis meeting, the national Sen-
gefast and other notable events will no
doubt result in much flag work next
month.

Wm. Smith, manager of Bertermann's
baseball team, announces that he is open
for engagements.

Herman Jung is planning a new resi-
dence in Cumberland.

Visitors: Mrs. Schulz, Vincennes,
Ind.; Mr. Endz, Boskoop, Holland.
I. B.

Cleveland.

Trade News.
Westman & Getz report an excep-
tionally heavy week. Their window dis-
play is very pretty, consisting of the
new light green ware copied after the
Italian Renaissance, and filled with
Spring flowers.

Fred Griffin also reports a good busi-
ness week.

Work progresses finely on E. R. Wil-
liams Company's new range of houses,
five being completed and planted to
roses. Next week they expect to plant
in carnations. They have already set
out 100,000 carnation plants in the field.

The Cleveland Cut Flower Company
has been receiving orders from the West
for about two weeks.
O. G.

COLUMBUS, O.—Max Aekerman,
florist, died at his home on Sunday,
May 3, of tuberculosis. He was 20
years of age.

BUY DIRECT—NEW CROP of FERNS

Caldwell The Woodsman Decorating Co., Evergreen, Alabama

DAGGER FERNS, \$1.00 per 1000
FANCY " 1.25 "



THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

A. HERRMANN
Manufacturer of **Floral Metal Designs**
IMPORTER AND DEALER IN FLORISTS' SUPPLIES
FACTORY: 709 FIRST AVENUE, BETWEEN 40TH AND 41ST STREETS, NEW YORK
OFFICE AND WAREROOMS: 404, 406, 408, 410, 412 East 34th St. WRITE FOR NEW CATALOGUE

SPECIAL OFFER FOR TEN DAYS
Nice, fancy Ferns, 85c. per 1000. Good Dagger Ferns, \$1.00 per 1000. New crop Dagger Ferns, \$1.50 per 1000. Galax, Green or Bronze, \$1.00 per 1000; case lots, 10,000, \$7.50. 50 lb. cases Wild Smilax, \$6.00. Leucothoe Sprays, Bronze or Green, 40c. per 100. Ground Pine, 5c. per lb. or 5c. per yd. Pine and Laurel wreaths for Decoration Day use; Pine, \$1.50 per doz.; Laurel, \$2.50 and \$3.00 per doz. Send your orders early for your decoration use. Laurel Festooning, 4c., 5c. and 6c. per yd.; made daily fresh from the woods. Boxwood, No. 1 quality, \$8.00 per case, 50 lbs.
MILLINGTON, MASS.

HARDY CUT FERNS
FANCY and DAGGER. Extra fine, \$1.75 per 1000. BRONZE and GREEN GALAX, \$1.25 per 1000, \$7.50 per 10,000. LEUCOTHOE SPRAYS, \$1.00 per 1000, \$7.50 per 10,000. SPHAGNUM MOSS, extra large hales, per bale, \$1.25. BOXWOOD, per bunch, 35c.; 50 lbs., \$7.50. FANCY and DAGGER FERN our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.
MICHIGAN CUT FLOWER EXCHANGE, Inc.
WHOLESALE COMMISSION FLORISTS
38-40 Broadway, DETROIT, MICH.
All Phone Connections

REED & KELLER 122 W. 25th Street NEW YORK
Importers and Manufacturers of **FLORISTS' SUPPLIES** Galax Leaves and Decorative Greenery
New York Agents for Caldwell's. Monroe, Ala., Parlor Brand Smilax.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

THE BEST WAY
to collect an account is to place it with the **National Florists' Board of Trade**
56 Pine St., New York
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

DREER'S
Florist Specialties.
KEYSTONE CEDAR PLANT TUBS.
A 14 1/2 10 6 7 1/2 51 00
B 14 1/2 10 6 7 1/2 51 00
C 14 1/2 10 6 7 1/2 51 00
D 14 1/2 10 6 7 1/2 51 00
E 14 1/2 10 6 7 1/2 51 00
F 14 1/2 10 6 7 1/2 51 00
These largest sizes have handles.
Special PAINT TUBS.
8 inch 1 1/2 10 6 7 1/2 51 00
14 1/2 10 6 7 1/2 51 00
Paint Green
HENRY A. DREER,
714 E. 10th Street,
PHILADELPHIA, PA.

WIRED TOOTHPICKS
10,000, \$1.75; 50,000 \$7.50
MANUFACTURED BY
W. J. COWEE, BERLIN, N. Y.
Samples free. For sale by dealers

SOUTHERN WILD SMILAX
BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS
E. A. BEAVEN, Evergreen, Ala.

SPRING CUTTINGS
need particular care. Half the danger of loss is overcome where
SYRACUSE RED POTS are used. Get catalog.
Syracuse Pottery Co., Syracuse, N. Y.

The Best BUG KILLER AND BLOOM SAVER
For PROOF Write to
P. R. PALETHORPE CO.
Owensboro, Ky.

SHEEP MANURE
Pulverized. Free from all Adulteration
In Bag, \$18.00 per Ton.
ROBERT SIMPSON,
CLIFTON, N. J.

Cattle Manure In Bags Shredded or Pulverized
Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
The Pulverized Manure Co.,
34 Union Stock Yards, Chicago

Ideal Plant Food
Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.
EDWARD MacMULKIN,
194 BOYLSTON ST., BOSTON, MASS.

Standard Flower Pots
Packed in small crates easy to handle.
Price per crate. Price per crate.
1500 2 1/2 in. pots in crate, \$4.88 120 7 in. pots in crate, \$4.20
1500 2 1/4 " " " 5.25 60 8 " " " 5.00
1500 2 " " " 6.00 48 9 in. pots in crate, \$3.60
800 3 1/4 " " " 5.00 48 10 " " " 4.80
500 4 " " " 5.80 24 11 " " " 5.60
200 5 " " " 4.50 12 12 " " " 4.80
144 6 " " " 3.16 6 16 " " " 4.50
Seed pans, same price as pots. Send for price list of cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.
Hilfinger Bros., Pottery, Fort Edward, N. Y.
August Koller & Sons, Agts., 31 Barclay St., N. Y. City

Exhibitions.
NEW HAVEN COUNTY (CONN.) HORTICULTURAL SOCIETY.—The preliminary schedule for the eighth annual exhibition has been issued. The show will be held in Music Hall, 115 Court street, Wednesday, Thursday and Friday, November 10 to 12, 1908, inclusive. Copies of the schedule can be obtained from Secretary Walter Koella, 58 Bishop street, New Haven, Conn.

DES MOINES, IA.—Secretary Esler of the Florists' Hall Association has received from H. Robinson, a recent sufferer from a hailstorm, an acknowledgment of prompt receipt of the association's check in full for the amount of damage he sustained.

Buffalo, N. Y. News Notes.

The Buffalo Florists' Club held its monthly meeting on Tuesday evening, May 5, which was well attended. George E. McClure read a very able paper on orchids. Mr. McClure had a very thorough training in this branch of the business at St. Louis. Owing to his father's fast increasing business in the landscape line, he was called home and has since entered partnership with his father. His paper was very well received by the members.

On the suggestion of the sports committee it was decided by the members to have a bowling tournament to give all the florists a chance to show their ability. It is the intention to keep scores of 15 games to be rolled within eight weeks. It is proposed to select ten men having the best averages, and allow them to elect a captain, and he in turn to select a team to represent the local club in the convention games.

J. H. Rebstock, who has had a store on Main street for the last twenty years, has given it up to do business at his greenhouses on Elmwood avenue.

Roland Cloudsley, who has been with the Wm. Scott Company for the past few years, has leased the store vacated by J. H. Rebstock, and after alterations will conduct it as a first-class flower shop.

S. A. Anderson has been spending the last ten days on a well-earned vacation in Michigan.

E. J. Fancourt of S. S. Pennock-Meehan Company, was in town, as was C. J. Ford, Philadelphia, on his way home from a successful Western trip.

The reading of Mr. McClure's paper on orchids has made the members of the club hungry for other papers in this line. The writer suggests as a subject: "What Colors can be Mixed by the Florists to show Good Judgment in the Blending."
W. H. G.

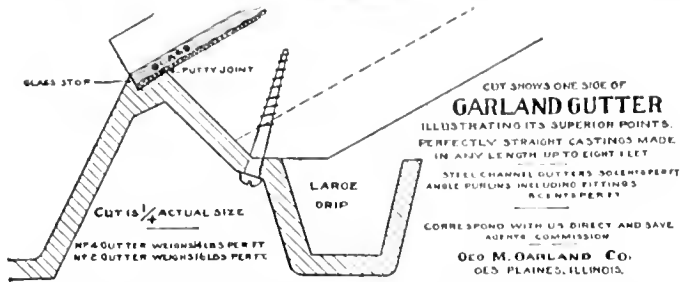
Rochester, N. Y. Trade Notes.

Owing to the incessant downpour of rain here, business received a serious setback and all outdoor work has been retarded. The advent of cooler weather had its effect in shortening up the supply of cut material, enabling growers to get a better price for it, also giving an opportunity to the retailer to clean up. Since Easter there has been a good deal of funeral work at all the stores, and this with the usual Spring trade keeps all busy.

There is good call here for Primula veris superba, in pots and baskets, plants well set with bloom selling rapidly. Also a good demand for California privet, strong plants of this being hard to obtain.

On a recent visit to the nursery of John Charlton & Sons were seen plants in bloom of anthurus or blue star flower, recently imported. It was a perfect sight, and such a blue, as to hold attention immediately. Here, too, propagation was under way of Baby Dorothy rose; a great future is predicted for this plant, it having been seen by your correspondent under all conditions, and I must say that it is worthy of a place in every grower's establishment. It is a good keeper and flowers profusely.
COCKNEY.

LOS ANGELES, CAL.—Easter lilies sold at from \$1.25 to \$1.50 a plant during the two days preceding Easter Sunday, according to statements contained in a complaint filed April 30 in the superior court by Elmo R. Meserve, a florist, against William Hearle. Meserve says he contracted with Hearle some time before Easter Sunday for the delivery of 950 lilies at 25 cents a plant, the same to be delivered during the last week of Lent. Fourteen lilies, he says, were delivered and paid for at the rate agreed upon. Hearle, according to Meserve, sold the rest of the consignment to other persons at a price about four times as great as the contract called for, and Meserve says he lost \$900 through Hearle's failure to live up to the agreement.—Herald.

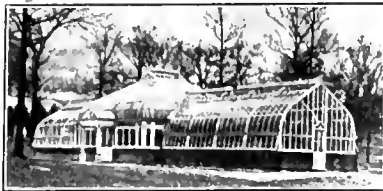


THE HOLLY STANDARD ELECTRIC CIRCULATOR

Peters & Son of Hempstead, L. I., say: "Your circulator, new model, installed for us last December gives perfect satisfaction. It heated, without half trying, our three large greenhouses. We figure that in one more season it will nearly pay for itself in saving of coal. No fear of frosts now!" No greenhouse is perfect without it. No greenhouse is out-of-date with it. Send for descriptive catalog to **THE HOLLY STEAM ENGINEERING CO., 135 E. 15th Street, NEW YORK**

Washington, D. C.

Club News. At the last meeting of the Florists' Club, on May 5, in spite of the rain there was a good attendance. Considerable business was transacted, after which one of the best socials ever held by the club was enjoyed. Mr. Oehmler, chief decorator for Gude Brothers & Company was admitted to membership, as were Frank Schlye and T. M. Dunbar. Speeches were made by Wm. F. Gude, N. Hammer, John Robertson and others on topics of interest to the local trade, and Mr. Taylor of the Department of Agriculture sang several excellent songs. Professor Charlemagne Koehler acted in his usual capacity as chief funmaker and was admitted by all to have excelled all previous efforts. President Kramer asked that the florists attend in a body the testimonial benefit which the professor is to give at Rauscher's on the night of May 19, and the indications are that the hall will be filled by a most appreciative audience.



CLEMSON AGRICULTURAL COLLEGE
A. and M. College of South Carolina
W. M. RIGGS, Director.

Dear Mr. Pearce: May 20, 1907. We have just received the larger Tober heater, and within a few days we will install this and return the smaller one to the J. L. Mott Iron Works. We are turning over to our treasurer for payment, the balance due you, which amounts to \$200.00. In concluding this transaction, I desire to express to you my hearty appreciation of the excellence of your work, and the honesty and courtesy of your methods. We believe that we have one of the best greenhouses in the South, and any time that you need a good word, I hope you will not fail to call on us. Yours truly, W. M. RIGGS, Director.
GEORGE PEARCE, - Orange, N. J.

SECOND HAND PIPE AND BOILER TUBES

From 1 in. up to 12 in., for sale at low rates. We can supply you with any amount from 100 feet and up. As we are large dealers in pipes, and do our own threading, we can sell same cheaper than any other dealer. Our price card will be sent anywhere upon request, send for one. **EAGLE METAL & SUPPLY CO., Johnson Av. & Broadway, BROOKLYN, N. Y.**

Holds Glass Firmly See the Point **PEERLESS** FULL SIZE No 2. Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid. **HENRY A. DREER, 714 Chestnut St., Phila., Pa.**

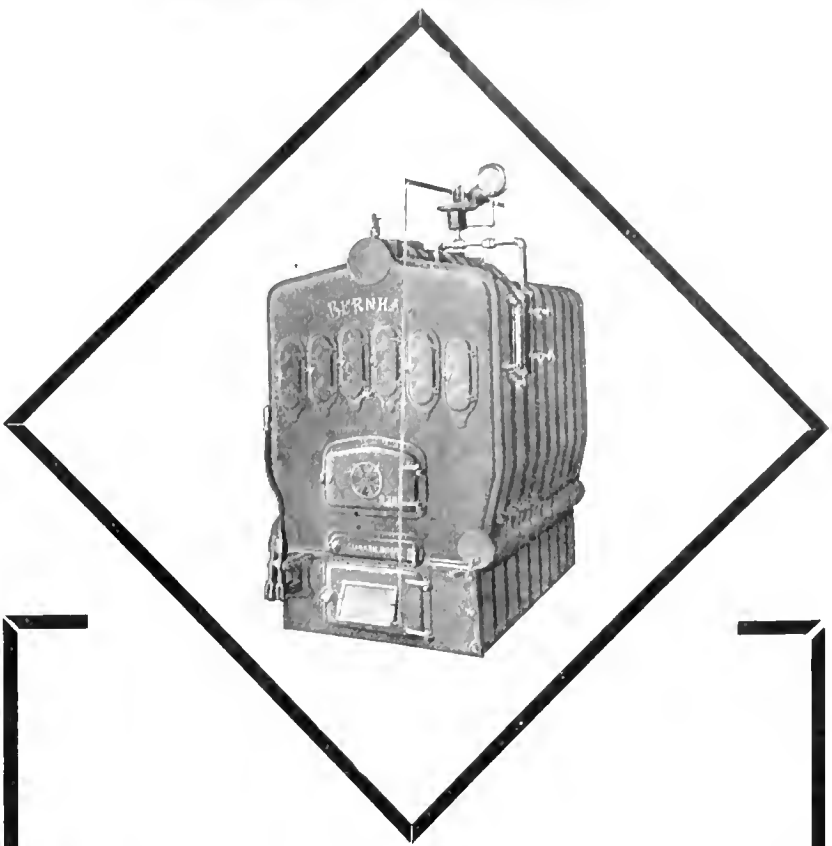
GREENHOUSE GLASS ALL SIZES 16x24 A. & B, Double a Specialty **C. S. WEBER & CO., 10 Desbrosses St., New York**



There will be another entertainment in connection with the next club meeting, which takes place June 2 at Gude's hall, 1214 F street, at 8 o'clock. The entertainment committee appointed by President Kramer is as follows: Wm. F. Gude, chairman, N. Hammer and Frank Schlye. This affair promises even to surpass the last one. The florists' bowling team is practicing diligently; they start a series of 30 games next week, and the best five players will be selected for subsequent match games. This team is to give an excursion to Chesapeake Beach on June 19, and as it has made and has maintained such an enviable record, it is expected that the outing will be liberally patronized, as the proceeds are to be used in the interests of the team. It has at last stopped raining in the District. The cool wave and dark days have shortened up the supply of stock. There is a fair demand. A good deal of hedding has already been done in the city's various parks and also in many private gardens. All garden crops look well, and this is the first season in years in which late frosts have not interfered with the fruit crop. Pond lilies are coming on the market in limited numbers from local sources. **JAS. L. CARBERY.**

WOOD'S HOLE, MASS. On invitation of J. Graveaux of Paris, France, who asked him to contribute his Rambler roses introduced in 1907 for exhibition in June of this year, M. H. Walsh forwarded the plants last January and they were planted in Roseraie de Bagatelle under the care of the prefect of that Department. Mr. Walsh is advised that this is to be an international exhibition of roses introduced in 1907 and 1908, and that the judges would pass upon the exhibition in June. The following varieties were sent: Walsh's Delight, Walsh's Paradise, Walsh's Evangeline, and Walsh's Coquina.

LYNN, MASS.—A. B. Madison, a florist, left his coat in the dressing room at St. Stephen's Church, last week, and while he was absent for a short time somebody stole his gold watch and chain. The police are attempting to recover the stolen jewelry.



BURNHAMS HAVE LARGE STEAM DOMES

NOW, this means that, as the result of this large dome and the deep water ways directly over the fire, "priming" or "water going over into the pipes" is prevented—and you know how important an economy point that is. Hot water or steam. Burn hard or soft coal. Send for the new boiler catalog.

LORD & BURNHAM COMPANY

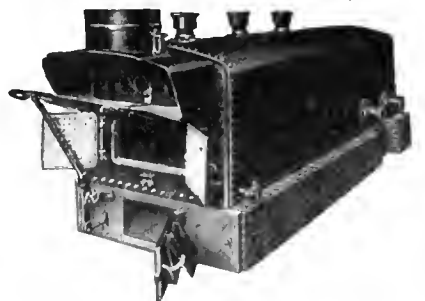
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BOSTON 1133 Broadway, NEW YORK PHILADELPHIA
819 Tremont Building 1215 Filbert Street

THE KROESCELL BOILER

IS THE ONLY PERFECT HOT WATER BOILER

No. 1 FOR SMALL GREENHOUSES
No. 15 FOR A RANGE OF 50,000 SQ. FT.
GLASS HEATED TO 60 AT 15 BELOW ZERO.

Prices and Catalogue on application.
KROESCELL BROS. Co.
33 Erie Street, CHICAGO



Cement Bench Construction

Post Molds and Clamps for the Construction of Cement Benches on the Wittbold System, the most economical, best, and simplest system ever devised.

Make Your Own Benches and Save Time and Trouble

We furnish full and complete instructions for making Cement Benches at a cost not exceeding that of Cypress Benches. Wooden benches last hardly four years. Cement benches will outlast an ordinary greenhouse—which will you install?

ADVANTAGES OF CEMENT BENCHES EASILY AND QUICKLY CONSTRUCTED. ONCE BUILT WILL LAST A LIFETIME. NO REPAIR BILLS. CLEANLINESS.

Write for particulars and full construction details—they are yours for the asking

E. H. HUNT, 76 Wabash Ave., CHICAGO



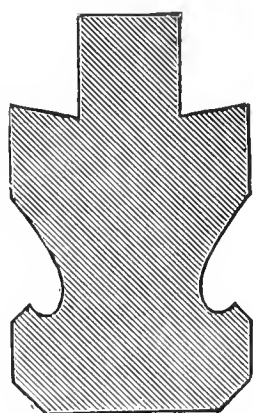
OUR HALF IRON FRAME
GREENHOUSES

are made extra rigid by a system of angle purlins, pipe columns and braces, connected by cast iron fittings which are bolted through the different members.

SEND FOR CIRCULAR

HITCHINGS & COMPANY

1170 BROADWAY, NEW YORK



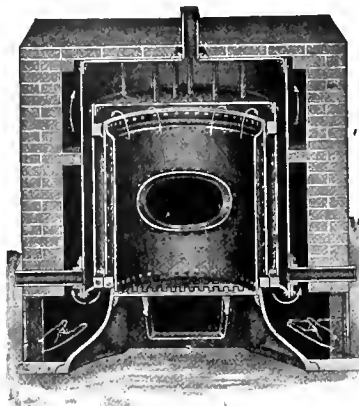
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We are jobbers in **Boilers, Pipe-Fittings, Glass, etc.**; in fact, everything necessary for the complete Erection, Heating and Ventilating of Greenhouses. Let us quote you.

S. JACOBS & SONS

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New Dunning Boiler—Sectional View

We Invite Investigation

because the more you investigate the more you will be convinced that

In Your Greenhouse the boiler that will give you the best heating results, with the least fuel expense, is the

NEW DUNNING BOILER

The ample fire box with high crown sheet provides complete intermingling of air with gas, and combustion of the mixture at high temperature, while three long, vertical fire-travels (twice length of boiler) compels absorption of every heat unit by water before it passes up flue. The smoke-pipe of a **New Dunning** is never hot.

No shoulders or offsets to collect sediment. No tubes to gather soot. Free circulation in every part. Portable or made to set in brick. Made of Siemens Martin wrought steel, hot riveted plates. Tested by severest known tests and guaranteed in every particular. Easy to clean, simple to operate, nothing to get out of order, inexpensive to keep up.

The United States Government Has Used **DUNNING BOILERS** for Thirty Years. Write for 38th Edition Free Illustrated Catalogue, With Prices.

NEW YORK CENTRAL IRON WORKS CO., Geneva, New York

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While Planning
YOUR NEW HOUSES
To Receive Our
CATALOGUE AND SUGGESTIONS
They do not Cost You Anything

Greenhouse Material and Hotbed Sash

OF LA. CYPRESS AND WASH. RED CEDAR

Greenhouse Hardware & Posts

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GREENHOUSE MATERIAL

FURNISHED AND ERECTED. WRITE FOR PRICES.

I. CASSIDY, SUMMER AVENUE AND TRI E. R. Newark, N. J.

THE FOLEY MFG. CO. CHICAGO

COMPLETELY EQUIPPED WITH UP-TO-DATE MACHINERY FOR THE MAKING OF MATERIAL FOR

GREENHOUSE CONSTRUCTION

FROM A FULL SUPPLY OF THOROUGHLY SEASONED LUMBER

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work—large or small.

We guarantee our prices will save you money.

FOLEY VENTILATING APPARATUS IS THE BEST IS SIMPLE IN ERECTING. IS EASIEST OF OPERATION. IT WILL LAST A LIFETIME. ITS PRICE IS THE LOWEST. Will ventilate any size house. Prices and circulars on application.

Our 1908 Catalogue "GREENHOUSE MATERIAL" sent postpaid on request.

THE FOLEY MFG. CO. WESTERN AVE. 25th & 26th Sts. CHICAGO

GLASS

headquarters for **Greenhouse and Hotbed Sizes** Write us for prices

Sharp, Partridge & Co.

2260-2266 Lumber St., - CHICAGO

ARE YOU A SLAVE OF THE COAL SHOVEL?



If so, break your bondage by using **Spencer Heater**

You have to shovel coal once a day in mild weather, twice in severe. Will tell you all about it, if you send us a postal, and do not forget to ask for our greenhouse catalog, "The House of Greatest Sunlight."

WEATHERED COMPANY
P. O. Address BOX 789 NEW YORK CITY

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 West Broadway
NEW YORK

Mastic is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

For Greenhouses, Graperies, Hot Beds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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N. COWEN'S SON,
14 & 16 Wooster Street, New York



Evans Improved Challenge

Roller-bearing, self-oiling device, automatic top, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO.
RICHMOND, IND.

SUMMER IN WINTER

BY USING

Standard Greenhouse Boilers

One cent gets our catalog.

GIBLIN & CO., Utica, N. Y.

Talks on Greenhouse Material

No. 2

After you have decided whether you want to grow roses or violets the next thing to do is to write us and tell us about how much money you want to put into the greenhouse. Give us your idea as completely as possible how you think the house should be built and the size of it. Tell us all about the lay of your land, whether it is level or has a slope, where you want to put the potting shed and the boiler room, give us the compass points, and in fact make a little sketch if you can. A rough sketch is often of more help to us than a small book of reading matter in a letter. As soon as we get your letter it will be turned over to our architect and a sketch of the house will be made. Then an estimate will be made covering all the material and with it you will get a letter giving our opinion on any features we think should be altered. In this way you will be sure to get the most for your money and a first class house. Why not write us now about the new house? And don't forget to say what you are going to grow.

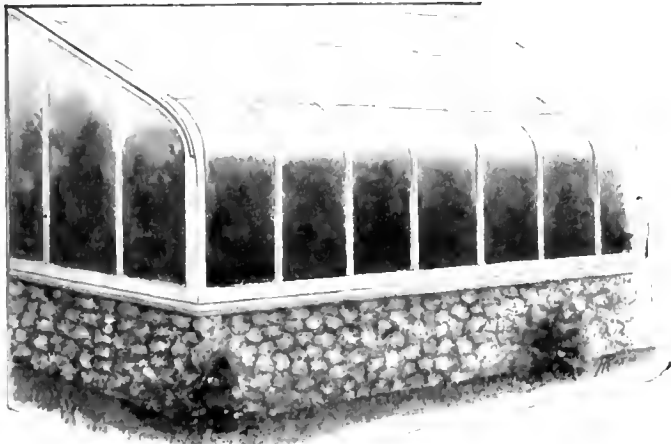
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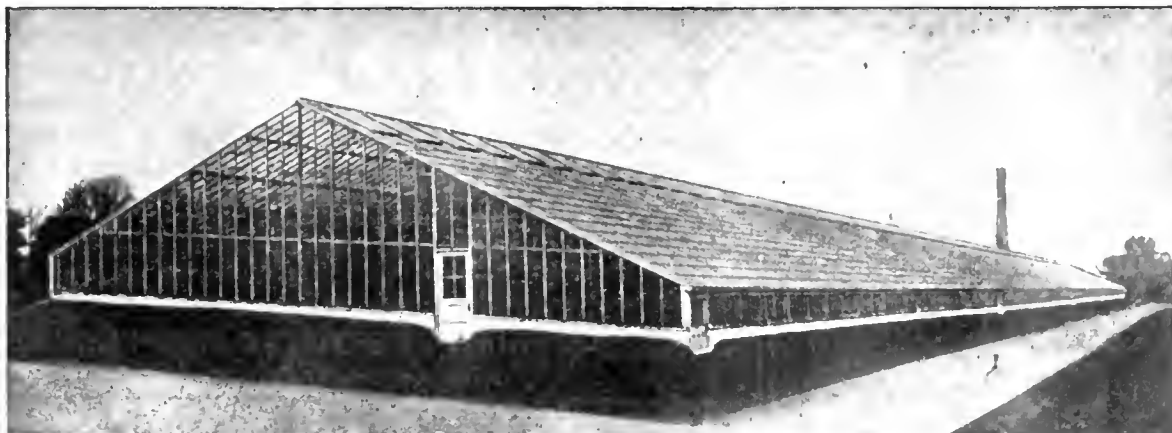


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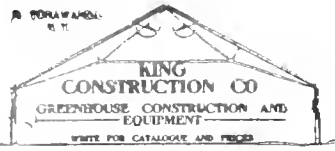
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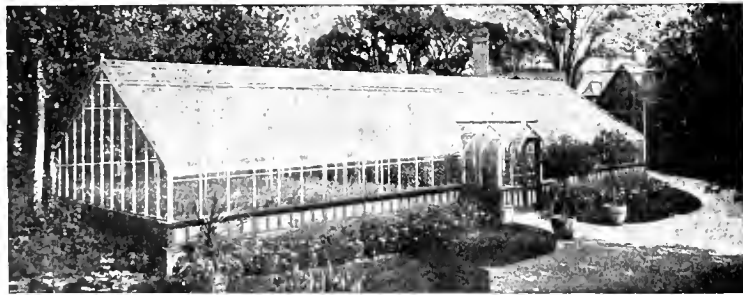
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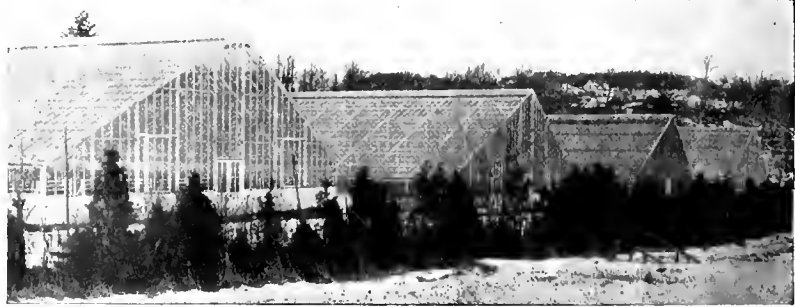
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NEW YORK AND CHICAGO, MAY 23, 1908

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FROM MARCH TO MAY

C. C. Morse & Co.
SEED GROWERS, San Francisco, Cal.

Address all communications to our permanent address, 48 to 58 Jackson Street.
ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES
Warehouses, Santa Clara, Farms and Farm Headquarters, Carnadero, near Oilroy

Our Specialty
In the Fall will be
HOME GROWN LILIUMS, GERMAN and JAPAN IRIS.
When in the market let us quote you prices.
JOHN LEWIS CHILDS, Floral Park, N. Y.

FISKE SEED CO.

Make a specialty of
ASTER SEED
All the leading varieties
Also **FLORISTS' SEEDS** for immediate planting
H. E. FISKE SEED CO.
12 & 13 Faneuil Hall Square BOSTON, MASS.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

SEDALIA, MO.—L. H. Archias, president of Archias Seed Store Corporation, and J. C. Archias with Barteldes Seed Company, Denver, will sail from New York, June 1, on the S. S. Amerika for a two months' European trip.

BURLINGTON, IA.—N. J. Burr & Company's specialty is seeds, in packets, which are sold to the stores direct. This phase of the business is very popular in the West, and is considered far more profitable than the commission. They report a very successful Spring trade.

FREDERICKSBURG, VA.—T. W. Wood & Sons of Richmond have purchased 100 acres of land, near Milford, in Caroline County, bordering on the Richmond, Fredericksburg and Potomac railroad, which they will improve and use as a seed farm for supplying their large establishment in Richmond.

BOSTON, MASS.—On Saturday, May 16, there was a blaze just before noon in the storeroom of the H. E. Fiske Seed Company at 12 1/2 Faneuil Hall square. The cause of the fire is not definitely known, and the damage, about \$1,500, was done to the seed, fertilizer, incubators and other goods which were stored on the top story.

NEW YORK—F. W. Bruggerhof of J. M. Thorburn & Company and Captain Burnett Landroth of the D. Landroth Seed Company, Bloomsdale, Pa., started on May 16 for an all-around visit among the seed growing establishments of the Pacific Coast. They will be absent about seven weeks.

L. M. Breit, representing Samson & Pilon, seed growers, Angers, France, arrived here this week, on his annual trip to the United States. During his stay in the country Mr. Breit's address will be care of E. B. Vandegrift & Company, 15 Whitehall street, New York.

ATLANTA, GA.—Here is to be found one of the largest retail seed houses, if not the largest, in the United States. H. G. Hastings & Company, its founders commenced business as seedsman in Florida some fifteen years ago, with the intention of supplying the truckers with the highest grade seeds that could be procured in the markets of the world. Their business from the start was a success, but they soon discovered that a more central position was desirable, and they moved to the Atlanta address, carrying with them the same determination, that the best only, without regard to cost, was the card that would win; and it has. Their business has annually doubled in size. They report the past year's the best they ever had, and the prospect for the coming year all that could be desired.

CHICAGO, ILL.—Montgomery Ward & Company are to discontinue the seed business, having found that a trade which lasts but three or four months in the year is not adapted to department store methods, where stocks must be turned over once in thirty days to be profitable.

Peter Hollenbach & Son, the pioneers of the onion set industry, have had a fine trade in that line; the advance in prices enabled them to work off a large surplus stock at an equally large profit. Their retail business shows a steady annual increase.

W. W. Barnard & Company report a good trade along all lines, but particularly with the truckers and market gardeners.

The S. F. Leonard Company have had a brisk call for onion sets, as well as seeds for the farm and garden.

EXPORTS OF SEEDS, ETC.—May 9 10. Schulz & Ruekgaber, 17 bags seed; Mullus & Ware, two cases plants, May 12. H. Frank Darrow, 36 cases plants, 90 tubs laurel trees; Hussa & Company, four cases plants, 12 tubs laurel trees; C. B. Richard & Company, 16 cases plants, 198 tubs laurel trees; Kuyper & Shields, 20 tubs laurel trees, one case plants; Kraemer & Foster, one case plants; McHutchison & Company, 12 cases plants, 154 tubs laurel trees; Mullus & Ware, 120 packages plants, etc.; P. H. Perry & Company, four cases plants, 10 tubs laurel trees; John Schepers & Company, 43 cases plants, two tubs laurel trees; Vaughan's Seed Store, 22 cases plants, two tubs laurel trees; J. M. Thorburn & Company, five bags grass seed, 30 barrels seed, May 15. Sanderson & Son, two crates plants; Brown Brothers & Company, 218 bags seed, May 16 and 17. J. M. Thorburn & Company, 20 bags alfalfa seed, A. H. Ring & Company, one barrel seed; J. H. Busch & Company, 18 barrels plants; Hussa & Company, one case plants, May 18. Mullus & Ware, 30 cases five plants; J. M. Thorburn & Company, 21 bags grass seed.

EXPORTS OF DUTCH BULBS.—The total exports of Dutch bulbs, in kilograms, to the United States in 1907, was 282,160, as against 2,317,700 in 1906, and \$52,931 in 1907. The total exported to all countries in 1907 was 15,277,000.

Stokes Standard Seeds.

For Florists and Market Gardeners. Send for Catalogues and Special Prices on your wants in FLOWER or VEGETABLE SEEDS and BULBS.

Stokes Seed Store.

219 Market Street, PHILADELPHIA

Seed Trade Notes.

The weather having again turned warm and seasonable, the small order retail over-the-counter trade, which had been given a sudden check during the cold and stormy days of very nearly the larger part of the first half of this month, has been renewed with great vigor; and every indication now points to the usual lucrative total of May business. Those seedsmen who handle vegetable plants have been all this month doing a large business in them; and one particularly noticeable feature of this trade has been the very large sales of those plants that are not considered the great staples, such as egg plants, pepper plants, etc. There can be no question that this vegetable plant trade, as an adjunct to the seed business, has during the last few years been gathering great momentum, until no longer is it looked upon as a sort of necessary evil; there is a substantial amount of profit to be derived from the sale of vegetable plants. The sales of tomato plants bid fair this season to be much greater than usual; they began very early, and at this writing have reached an enormous volume. I was very recently informed by a plantsman, who has for years been in close touch with the requirements of the larger canners in this line, that the demand for tomato plants from this industry is much larger this season than ever before. It would certainly be very interesting to learn how many million tomato plants are annually put out, but unfortunately there are no statistics on this subject.

It is turning out that almost all varieties of field corn were in much shorter supply than was supposed by even the trade itself. For more than ten days "sold out" has practically been the only answer possible to give customers, who are all prepared for planting this crop. As regards sweet corn there is still some to be had, although such favorite sorts as Country Gentleman and Stowell's Evergreen are about exhausted.

Speaking of exhausted seed stocks, there certainly are a great many of them this year. In beans it is getting to be hard work to find needed sorts. Such standards as Early Valentine and Golden Wax have long since been cleaned up in first hands, and it would now be very difficult to find any large quantity of anything in seed beans. The same general remarks apply to peas; all seedsmen are sold down lower than in years; even seed planting stocks have in many cases been encroached upon to help out customers.

The outlook for the Fall bulb business is gradually assuming encouraging shape, and seedsmen are now placing their orders quite freely. Holland bulbs have of late years become so thoroughly a part of gardening work, that large sales are assured, even if general business is not always up to the top-notch. I am convinced that many dealers have held off longer this year than usual before placing their Dutch bulb orders, not so much because they doubted a good trade the coming Autumn, as because the conflicting general business conditions have made it a very difficult matter to decide just how large the trade will be.

Day by day as the season advances, and the crop conditions continue favorable, on all sides the greatest satisfaction is manifested. During the last ten days the irregular character of the weather has caused some apprehension, as there has certainly been in some sections an overabundance of rain; but, on the whole, all signs so far point to an exceptionally favorable seed growing year.

CATALOGUES RECEIVED.

EDWARD SWAYNE, Co. Price List of Cut Flowers before and after Memorial Day.

E. H. HUNT, Chicago. Price List and Information concerning the efficacy of the "Eucalyptus" Products.

THE NIPPONAMA NURSERY COMPANY, LIMITED, New York. Wholesale Catalogue of Japanese Nursery Stock and Seeds. An interesting collection.

European Notes.

Now that the frost has apparently left us for the season we are able to form a fairly accurate estimate of its effects upon our growing plants, both biennial and annual. It is no exaggeration to say that they have been simply disastrous, and growers are plowing up the ragged remnants right and left.

Readers of these notes have been prepared for this from time to time, but the worst has yet to be told. In another ten days, if present conditions continue, we shall know the best and the worst. In the meantime holders of ruta-baga, turnip, radish and beet should be firm as regards prices; and those who have good stocks of cabbage may count themselves extremely fortunate. Spinach has not suffered so much at present; but peas, especially wrinkled varieties, are doing badly.

German reports state that flower seeds have stood the Winter fairly well, but double wallflowers and biennial stocks are weak.

EUROPEAN SEEDS.

Dutch Bulb Growers' Society.

The following awards were given by the narcissus and mixed bulb committees at the meeting of April 22.

First-class certificates to Narcissus General Baden Powell, a deep yellow trumpet daffodil; Narcissus Sulphur Beauty, with white perianth and clear sulphur trumpet; Narcissus bicolor Dieh, with white perianth and yellow trumpet; Astilbe Queen Alexandra and Astilbe Peach Blossom, both of a handsome rosy pink color, good forcing, free-flowering varieties.

Awards of merit were given to: Narcissus J. H. Krelage, a very early free-flowering trumpet daffodil, with light yellow perianth and pure yellow trumpet; Narcissus Mr. van Noort, a cross between Emperor and Golden Spur, a large flower with broad yellow trumpet and light yellow perianth; Narcissus Sir Henry Campbell Bannerman, with deep yellow trumpet and yellow perianth with rather pointed petals; Narcissus bicolor Giant, with fine, broad trumpet and cream white perianth, a large flowering strong growing variety; Narcissus bicolor Miss Ellen Terry, with clear yellow trumpet and white perianth; Narcissus Snow Queen, a white trumpet daffodil with curling petals; Narcissus Tom, with dark yellow trumpet and yellow perianth, a large flowering variety.

ERRATUM SEED REPORT. It is irritating to read on one's daily calendar poetical quotations about the delights of Springtime, and then to gaze on a bare landscape over which a cold north wind is scattering stray snowflakes. Vegetation in this district is always late in commencing, but this year the tardiness is threatening to beat the record. We are putting contracts out and nursing up our seedlings, but until the meteorological powers give the signal, no start can be made.

Stock-taking after the close of the wholesale season can now be undertaken and results turn out roughly something as follows: Very good sales have been made in lettuce, both Cos and cabbage sorts; peas, celeries, Savoys, chicory, egg plants, and endives, and a satisfactory turnover has resulted in cabbages, kales, Brussels sprouts, kohlrabis, vegetable marrow, capsicums, tomatoes, leeks, parsnips and mangel wurzels; moderate business only has been done in spinach, parsley, carrots and turnips, while the sales of onions, cucumbers, and beans, especially the latter, have fallen below expectations. In carniflowers the Autumn Giant and Algiers varieties have done well, but others only moderately. Radishes have gone off all right, except the Autumn and Winter kinds, which have rather lung fire. With the exception of sage and thyme, herbs are pretty nearly cleared out.

As to the prospect of the growing crops, it is difficult to say much at present, as everything is so backward. Cabbages appear in good form. Leeks look first rate, Celeries, fairly well. Kohlrabis, fair to poor, while carrots vary in different situations. A full report can hardly be given for three or four weeks, when prospects will have assumed a more definite shape.

Flower seed prospects can perhaps be judged with little more accuracy. The Winter has been long with spasmodic intervals of frost and thaw. Such condi-

tions are generally very trying for our over year crops, but fortunately a fairly good snowfall has acted as a protection against the low temperature. Nearly all kinds of perennials and biennials have come through the Winter in good shape, and few shortages are probable, unless May frosts should supervene, which, however, are not frequent in this climate. Pansies, myosotis, single wallflowers, bellis, campanulas, garden carnations, etc., all look healthy though on the small side, while auriculas and primulaceae generally promise well for seedling. Myosotis may yet suffer by frost during the blooming season, but pansies can take care of themselves better in this respect.

As regards annuals, the Autumn-sown ones, such as larkspurs, are coming on strongly, but the Spring-sown kinds are not making much progress. The inclement weather has also checked the development of asters, phloxes and other annuals usually raised in frames, the plants being even now hardly large enough to handle and put out into the fields. Some fine growing weather is now a desideratum, or we shall be badly crowded up in the early weeks of Summer. This wish will probably be heartily re-echoed by other seed growing centers besides Erfurt.—Horticultural Trade Journal, Eng.

VEGETABLE PLANTS

CABBAGE, Wakefield, L. I. Second Early, Early Flat Dutch, Early Summer, Winnigstadt, and other later varieties, \$1.00 per 1000; \$3.50 per 10,000.

BEETS, Eclipse, Crosby and Egyptian, 25c. per 100; \$1.25 per 1000.

LETTUCE, Boston Market, Tennis Ball, Big Boston and Grand Rapids, 20c. per 100; \$1.00 per 1000.

CELERY, White Plume and G. S. Blanching, 20c. per 100; \$1.00 per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO., White Marsh Md.

CABBAGE PLANTS

Jersey Wakefield, ready for field, \$1.25 per 1000. Tomato, all kinds, \$1.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

CYCLAMEN GIGANTEUM

July Seedlings, strong and healthy, ready for 2 1/2, 3 and 4 in. pots, at \$6.00, \$8.00 and \$12.00 per 100.

LEHNIG & WINNEFELD
HACKENSACK, N. J.

POINSETTIA

STOCK PLANTS \$5.00 per hundred.

THORN HEDGE GREENHOUSES,
NEWTOWN SQUARE, DEL. CO., PA.

SWEET LAVENDER

LARGE PLANTS, 4 in. pots, 2 yrs. old, of the true old-fashioned sweet LAVENDER, 10c. each; \$1.00 per doz.

R. G. HANFORD, Norwalk, Conn.

CANNAS

King Humbert, the great Gold Medal Canna, started plants, 8c.; strong 3 1/2 in., 10c. Brandywine, most magnificent bronze-leaved bedder, 3 1/2 in., 6c. GERANIUMS: S. A. Nutt, Hill, Poitevine, Jean Vaud (pure pink), 2 1/2 in., A No. 1 stock, \$2.50 per 100. Cash.

N. A. CORLIN, Elberon, N. J.

The Fruit Auction Company

202-204 Franklin St., New York

SELLS EVERY DAY

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AT 9 O'CLOCK

BEDDING, DECORATIVE, ORNAMENTAL

PLANTS

and **BULBS** of every description

Positively without Reserve

In lots to suit the trade

Special Preparations for the week preceding Decoration Day

Terms Cash

Prompt Delivery

Note—Returns made to growers on day of sale

P. O. BOX 640

TELEPHONE 1512 Franklin

May 23, 1908

FERNS

MY SPECIALTY

MILLION AND A HALF OF FERN SEEDLINGS in 20 or more of the best commercial varieties, ready for delivery during June and July.

State your wants early and get special quotations. Stock the best. You will be pleased, or money refunded.

Assorted Ferns for Jardinieres, healthy and bushy, none better, in 12 best varieties from 2 1/2 in. pots, \$2.50 per 100, \$23.00 per 1000, 3 in. \$6.00, 4 in. \$12.00 per 100.

Adiantum Farleyense, fine stock, from 2 in. pots, \$10.00 per 100, \$95.00 per 1000.

Adiantum Concavum, 2 in., \$3.50 per 100, \$30.00 per 1000; 3 in. \$6.00, 4 in. \$12.00 per 100.

Fern Spores, gathered from my own stock guaranteed fresh, and true to name, in 24 best commercial varieties, 30c. per trade pkt., \$3.00 per dozen.

J. F. ANDERSON SHORT HILLS, N. J.

FERNS

Boston and Scottii, 4 in., 15c.; 6 in., 40c and 50c each. ASPARAGUS Plumosus, 2 1/2 in., \$2.50 per 100, ASPARAGUS Sprengeri, 2 1/2 in., \$3.00 per 100, FERNS, in nice assortment, \$3.00 per 100, \$25.00 per 1000. DRACENA Indivisa, 4 and 5 in., 12c., 15c., 25c. and 35c. each. SALVIA Bonfire and Splendens, AGERATUM blue, Mme. Salleron. GERANIUMS, 2 1/2 in., \$2.50 per 100, ENGLISH IVY, 4 in., \$10.00 per 100.

H. WESTON

Hempstead, New York

NEPHROLEPIS

WHITMAN, 2 1/2 in. \$5.00 per 100; 3 1/2 in. \$5.00 per 100. FERNS, Boston, 2 1/2 in. \$3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

FINE FERNS FOR JARDINIERS

Very bushy and to best varieties. Liberal count on all orders, 2 1/2 in. pots, \$3.00 per 100, \$25.00 per 1000. Asparagus Plumosus Nana, 2 1/2 in. pots, \$3.50 per 100, \$30.00 per 1000.

Thomas P. Christensen, SHORT HILLS, N. J.

Nephrolepis Amerpohli

Philadelphia Lace Fern \$12.00 per 100; \$100.00 per 1000 WILLIAM P. CRAIG 1305 Filbert St., PHILADELPHIA

FERNS

For Jardinieres, strong healthy plants, 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate, 3 in. \$6.00 per 100; 4 in. \$12.00 per 100. NEPHROLEPIS SCOTTII, 9 in. \$1.50; 7 in. \$1.00 each. BOSTON FERNS, 7 in. \$1.00 each, Pierston, 7 in. \$1.00 each, worth double. FRANK N. ESKESEN, 304 Madison, N. J.

Nephrolepis Scottii

In the following sizes, extra good value: 2 1/2 in. \$5c., 3 in. \$7c. and 4 in. \$10c. GRAND SPECI-MEN PLANTS at \$3.00, \$4.00, \$5.00 and \$6.00.

JOHN SCOTT

Rutland Rd. and E. 45th St., Brooklyn, N. Y.

THE AMERICAN CARNATION

Price \$3.20 A. T. DE LA MARE PTG & PUB CO. LTD 3-8 Duane Street New York.

Dreer's Hardy Perennials

Are Pot-Grown and can be planted just as successfully now as at any time during the Spring.

Table listing various plants and their prices, including Achillea, Anemone Japonica, Aconitum, Alyssum, Anemone, Alba, Elegantiolima, Lord Ardlaume, Prince Henry, Queen Charlotte, Rosa Superba, Whirlwind, Athericum Liliago, Aquilegia, Armeria Maritima, Athysanella, Asplenium, Aster, Alpina, Hardy Asters, Bellonia, Callitriche, Campanula, Persicifolia, Carya, Cerastium, Centaurea, Chelone, Chrysanthemum, Clematis, Coreopsis, Delphinium, Chinese, Alba, Formosum, Dictamnus, Dielytra, Digitalis, Grandiflora, Lanata, Doronicum, Epimedium, Eryngium, Erigeron, Eupatorium, Colestinum, Euphorbia, Funkia, Galeata, Undulata, Gallardia, Geranium, Gemma, Glehoma, Helianthus, Grandcephalum, Pinnatifidum, Riverton, Riverton Beauty.

Table listing various plants and their prices, including Hibiscus, Moscheutos, Hemerocallis, Helianthus, Sparsifolia, Heliopsis, Semi Plena, Scaber Major, Helianthemum, Heucheria, Rosa.

Table listing various plants and their prices, including Lythrum, Penstemon, Physostegia, Phlox, Anemone, Primula, Verbena, Armeria, Pyrethrum, Uginosum, Polemonium, Ranunculus, Rudbeckia, Newmanii, Newport, Sub-Tomentosa, Palmda, Rays of Gold, Autumn Sun, Salvia, Saxifraga, Scabiosa, Sedum, Atropurpurea, Solдаго, Spiraea, Filipendula, Gigantea, Palmata, Elegans, Ulmaria, Venusta, Statice, Stokesia, Hypericum, Iberis, Iris, Germanica, Incarvillea, Lavandula, Lobelia, Lysimachia, Lychnis, Flore Plena, Haageana, Aiscaria.



Stokesia Cyanca

Table listing various plants and their prices, including Hypericum, Iberis, Iris, Germanica, Incarvillea, Lavandula, Lobelia, Lysimachia, Lychnis, Flore Plena, Haageana, Aiscaria.

Table listing various plants and their prices, including Lythrum, Penstemon, Physostegia, Phlox, Anemone, Primula, Verbena, Armeria, Pyrethrum, Uginosum, Polemonium, Ranunculus, Rudbeckia, Newmanii, Newport, Sub-Tomentosa, Palmda, Rays of Gold, Autumn Sun, Salvia, Saxifraga, Scabiosa, Sedum, Atropurpurea, Solдаго, Spiraea, Filipendula, Gigantea, Palmata, Elegans, Ulmaria, Venusta, Statice, Stokesia, Hypericum, Iberis, Iris, Germanica, Incarvillea, Lavandula, Lobelia, Lysimachia, Lychnis, Flore Plena, Haageana, Aiscaria.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

ORCHIDS Arrived in fine condition: Cattleya Mossiae, C. Percivaliana, C. Trianae, C. Labiata, C. Schroederae, C. Gagas, Sanderiana, C. Harrisoniae, C. Citrina, Lelia Anceps, Oncidium Varicosum Rogersii, Onc. Ornithobrychium, O. Tyrianum, Odontoglossum Inseleyi, O. Rosali Majus, Dendrobium Formosum Giganteum, D. Wardianum, D. Findlayianum, Vanda Coriacea. Will arrive shortly: Cattleya Gaskelliana, C. Mendelii, Phalenopsis Schilleriana, P. Amabilis, Dendrobium Phalenopsis. CARR LLO & BAUDWIN, Secaucus, N. J.

ORCHIDS We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices. Write us for information as to kinds and prices. We have just received the following orchids: Oncidium Tigrinum, O. Sarcodes, O. Forbesii, Sophronitis grandiflora and coccinea. LAGER & HURRELL, Summit, N. J.

ROOTED CUTTINGS PREPAID PER 100 ALTERNANTHERA, best Red and Yellow, 50c. \$1.50 per 100 (not prepaid) FUCHSIA, five finest kinds, \$1.00. AGERATUM, Gurney and Pauline, COLEUS, best bodders, 60c.; \$5.00 per 1000 (not prepaid) SALVIA Bonfire and Splendens, 85c. FUCHSIA, five finest kinds, 2 in., 1 1/2c. each. AGERATUM, Gurney, 2 in., 1 1/2c. each. Sweet Potato Plants, Yellow Jersey, \$2.00 per 1000. Shippensburg Floral Co., Shippensburg, Pa.

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ORCHIDS IN BUD FROM STANLEY & CO., Southgate, England who always do the thing well. CATTLEYA MOSSIAE in sheath to flower this April, May, at \$60.00 per 100. Order immediately.

BEDDING PLANTS SALVIA Bonfire, 3 in., \$3.00 per 100. GERANIUMS, 3 in., \$3.00 per 100. VERBENAS, DUSTY MILLER, ALTERNANTHERAS, red and yellow, PETUNIAS, single BEGONIAS, assorted, 2 1/2 in. pots, \$2.00 per 100; \$15.00 per 1000. VINCA Variegata, 4 and 5 in. pots, 10 to 20 buds, \$8.00 and \$10.00 per 100. DRACENA Indivisa, 5 in., 20c.; 6 in., 25c. J. S. BLOOM, Riegelsville, Pa.

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HARDY HYBRIDS, 1½, 2 ft., 3 ft., 4 ft., 5 ft. BOX, all sizes Bush, Pyramid and Standard. ROSES, large assortment Hybrids and Climbing. HERBACEOUS PERENNIALS, 1000 varieties. Send for General Catalog and Trade List. **The NEW ENGLAND NURSERIES Inc.** Bedford, Mass.

LARGE TREES OAKS AND MAPLES PINES AND HEMLOCKS ANDORRA NURSERIES
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Your Money is well spent when you advertise in **THE FLORISTS' EXCHANGE**

NURSERY STOCK for FLORISTS' TRADE EVERGREENS A SPECIALTY

Norway Spruce American Arbor Vitae Austrian Pine
NOW IS THE TIME TO PLANT THEM
60 Years **W. & T SMITH COMPANY, Geneva, N. Y.** 100 Acres

I OFFER FOR FALL, 1908
10,000 **AMPELOPSIS Veitchii**, 3 year; 350,000 **PRIVET**;
75,000 **EVERGREENS** in 65 varieties.
Besides a very complete assortment of **Shrubs and Shade Trees.**
HIRAM T. JONES, Union County Nurseries, 49 North Avenue, **Elizabeth, N. J.**

HARDY NEW ENGLAND GROWN NURSERY STOCK
WE GROW A GENERAL ASSORTMENT OF
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.
Prices Reasonable. Wholesale Trade List for the asking.
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AMERICAN NURSERY COMPANY We Can Supply Your Every Need. Write for Prices.
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Grafted Roses For Forcing

Bride, Bridesmaid, Kaiserin, Killarney, Richmond, Wellesley
\$10.00 per 100, \$100.00 per 1000

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Wholesale Florists and Nurserymen
NEWARK, WAYNE COUNTY, NEW YORK

THE PHOENIX NURSERY CO.
NURSERYMEN AND FLORISTS
BLOOMINGTON, ILLINOIS
Offers
10,000 **Asters**, 2½ in. pots, assorted colors, good stock
5,000 **Alternantheras**, 2 in. pots, red and yellow.
1,500 **Cannas**, 4 in. pots, named varieties.
250 **German Ivy**, 2½ and 3 in. pots.
300 **Heliotropas**, 4 in. pots.
600 **Lantanas**, 2½ in. pots, named varieties.
500 **Lobelia Speciosa**, 2½ in. pots.
5,000 **Geraniums**, 4 in. pots, double and single, pink, white and red, all good kinds.
2,000 **Verbenas**, 2½ in. pots.
500 **Vinca Variegated**, 2½ in. pots
500 **Dusty Miller**, 2 in. pots
5,000 **Coleus**, ¼ in. pots, Golden Bedder, Verschaffeltii and other varieties.
1,000 **Smilax**, 2 in. pots.
3,000 **Salvias**, 2½ in. pots, Zurich and St. Louis.
The above stock is first class and in fine condition Will make special low prices. Write us.

SURPLUS CANNAS
King Humbert, \$4.00 per 100; \$35.00 per 1000.
Compte de Sachs, \$3.00 per 100.
Giant Crimson, David Harum, Allemania, Evolution (yellow), California (orange, yellow), Duke of Marlborough, \$2.50 per 100, \$20.00 per 1000.
THE CONARD & JONES COMPANY, West Grove, Pa.

DAHLIAS
4 best for cut flowers.
A. D. Livoni, pink; Arabella, light; Lyndhurst, vermilion; Queen Victoria, yellow, field clumps, \$5.00 per 100.
Per 100
VINCA variegated, 2 in. \$2.00
GAZANIA Splendens, 2 in. 2.50
ASPARAGUS Sprengeri, 3 in., very strong 5.00
GERANIUMS Mme. Salleron, 2 in. 2.50
SINGLE HOLLYHOCKS, fine strain, strong 2.00
COBEA Scandens, 2 in., \$2.50 per 100.
CENTAUREA Gymnocarpa (Dusty Miller) 2 in. \$2.00.
Cash with order, please.
GEO. J. HUGHES Berlin N. J.

Hardy and English Ivy
Strong plants in 4½ inch pots, tops 3 to 4 ft. long, well clothed with foliage, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.
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Horticultural Notes.

Beds of seedlings need early weeding for the well doing of the stock. Take a day after a good rain for the work. If not done soon the seedlings are choked out or are pulled out along with the weeds. The best ground for seeds is that which has been well cultivated the season previous, to kill all weeds that would seed otherwise.

The large, bright, rosy pink flowers of the bush honeysuckle, *Lonicera tatarica grandiflora*, ensures it first place among all the family of bush honeysuckles. It is the best of all. Stock can easily be got from soft or hard wood cuttings.

Hardy flowers for Memorial Day uses will be more called for every year. Notice the kinds that find favor with those who buy them, so as to know what to set out in future. Japanese snowball leads all shrubs, next to it weigelas, and many herbaceous plants are useful.

Trees and shrubs set out when in leaf should be permitted to carry a few of their leaves instead of cutting off every one as is usually done. If given lots of water for a few days after being planted they will carry a few leaves. They are more likely to grow in this way than when every leaf is removed.

Hardy azaleas and rhododendrons are often grown in pots for selling late in the season or for decorative purposes. Whether in pots or not they do much better set in a half shaded place in Summer, under large trees, for example.

The ostrich fern, *Struthiopteris germanica*, is a good one to plant where a group is required. It soon spreads from underground stolons; and at all times it is a handsome fern. There is a variety of it in cultivation that rarely or never bears fertile fronds; instead it spreads much faster than the one that does.

Trees, shrubs and vines for layering purposes should be cut back well in Spring, before they push into growth, but better later than not at all. This cutting down causes strong shoots to form the kind layering calls for.

There are several trees which ripen their seeds in Spring, and these seeds sown at once grow immediately, making nice plants by Fall. In the list are silver maple, red maple, red birch, white elm and slippery elm. Spread out the seeds to dry for a week after gathering, then sow them.

All nurserymen tell the same tale, that their business is increasing every year; and everyone can see grounds surrounding handsome dwellings well filled with choice trees on every hand. Horticulture is not only fashionable; it is also loved for its own sake, which is its best feature.

Those who have plants of any kind in pots the hardness of which in Winter is doubtful should plant them in high ground or where there will be no chance of late growth. Short, stocky, well ripened wood will endure cold far better than vigorous shoots.

Virginia Creeper for Walls.

The Virginia creeper, *Ampelopsis virginica*, is a good vine for many walls, but for dwellings it is hardly as good as the *Ampelopsis Veitchii*, because it does not keep as close to the wall as the latter vine does. For walls of barns or walls enclosing grounds the Virginia creeper can be well used, its habit of pushing out shoots free from the wall adding often to its good appearance. The *A. Veitchii* never leaves the wall it clings to, unless it meets some obstruction. Both vines become of beautiful colors in Autumn, the Virginia creeper laying the most scarlet in its foliage and the *A. Veitchii* the most bronze with its crimson. For trees, pillars, walls and other places where a thick heavy growth is wanted plant the Virginia creeper, and set the *Ampelopsis Veitchii* where a close covering of the surface is desired.

These two vines are in demand all Summer long, hence their being kept in pots now all the time for Summer selling, being potted in Spring or in late Fall.

The Northern Limit of *Cerasus lauro-cerasus*.

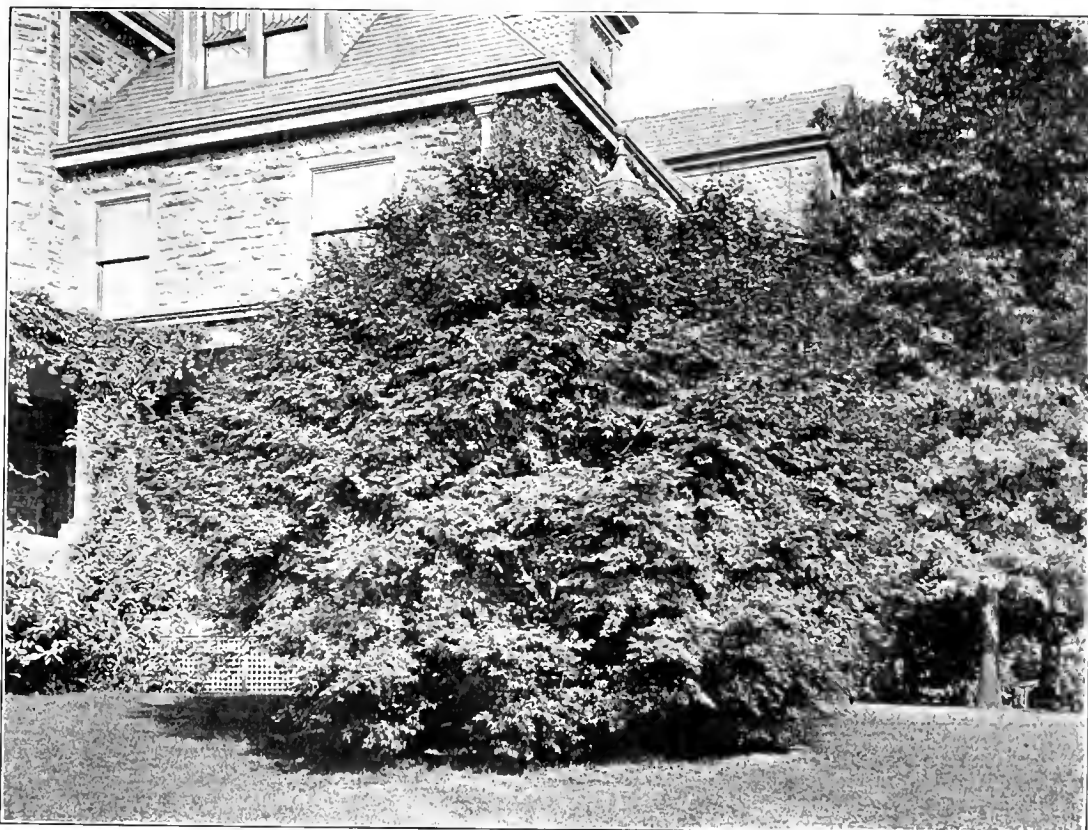
In a letter from Charlottesville, Va., we are asked how far north the *Cerasus lauro-cerasus*, better known as English laurel, can be grown outdoors, and what would be its chance of success where our correspondent writes from. This evergreen, though commonly called English laurel, is not a native of that country, but of the Levant, and it is not over hardy even in the north of England. What it would do at Charlottesville, Va., has to be tried. There has been a bush or two of it tried in Philadelphia at different times, and, although protected, they all finally succumbed to the cold. One plant lived three years, getting of less size every year until it died. It may have no more cold to endure in Virginia than it does safely in England, but temperature is not all. The cold of England is connected with dampness and cloudiness, all in favor of vegetation, while in Virginia there would be bright sunshiny days with the cold nights, which would add to the adverse conditions the plant would meet.

Maybe Professor Massey can tell us something of its growth in the South. It is hardly expected that it thrives North. There used to be fine ones near the Capitol Building at Washington, D. C.

A polymorphism of the kind used for working the varieties on, the golden-leaved, blood-leaved and others, for grafting and inarching. Seedlings are obtained from Japan for the purpose, and an excellent stock it makes.

Myrica Cerifera, Wax Myrtle.

W. F. Bassett, Hamonton, N. J., writes us to know the prospects of the *Myrica cerifera*, wax myrtle, coming into favor again. He says of the hundreds of fine plants he has he expects the brush heap will have to get the most of them. It is a surprise to hear this, for this shrub has been one always called for heretofore, and time was when it was impossible to secure them. Although a sea-shore shrub in so far that it grows in such situations more abundantly than anywhere else, it is not confined to these locations. It grows in woods quite away from the sea coast and thrives well in them, too, growing North as well as South. In the South it is evergreen, but this character does not abide with it in exposures North. Possibly friend Bassett does not make known his stock to those who might want it, at any rate, we would not advise the burning of it.



Acer Polymorphum.

Acer Polymorphum.

The grounds surrounding the dwellings in the vicinity of Philadelphia are noted for the many lovely specimens of Japanese maples they contain, consequent, to a great degree, on the nurserymen of the neighborhood making a feature of these shrubs. This is especially true of two of the plants, one the blood-leaved Japanese maple; the other the common form, *Acer polymorphum*. It is the latter our photograph represents. It will be observed what pretty, cut-leaved foliage it possesses, and what a good shaped shrub it becomes. It only needs starting right, of good shape, then the rest of the work toward becoming a nice appearing shrub is done by itself. The plant of our notes was set out when quite small at an angle of the dwelling, and it has had hardly any pruning since, but has grown at will.

In addition to its prettily formed leaves there is much to admire in this species when shrubs take on their Autumn colors. The leaves become of a bronze red, sometimes mingled with yellow. When the shrub gets to bear seeds, which it does when of a size the one illustrated is, it produces them in pairs, and they are of a bright red color, adding to the general attractiveness of the shrub.

This and its other varieties, such as the blood-leaved, are really small trees when grown in that shape. Cut away to a single stem, they make height in time to warrant their being classed as trees; but they are used as shrubs nearly wholly, and as such are found highly useful by planters.

In the same letter, he speaks of *Viburnum dentatum* being unprofitable to grow. This is found to be so by many nurserymen, not only as applied to *dentatum* but to *acerifolium*, *prunifolium*, *lentago*, *pubescens*, *Lantana*, and, in fact, to almost all the list excepting the snowball section, and those who handle tree seeds report similarly of them, but little sale for their seeds.

Viburnum Lantana is beautiful the whole season through; first, early in Spring, each shoot is crowned with a flat head of white flowers after which there are clusters of pretty red berries, lasting in good condition until hard freezing weather sets in.

There is one species outside of the snowball section which meets with good sales, the *Viburnum tomentosum*. Its flat heads of mostly sterile white flowers adorn the bush greatly. They appear a short time in advance of the snowballs, and the growth of the bush is rounded and attractive. This kind is selling in great numbers; and as it can be raised from layers or from green wood cuttings in Summer it is not difficult to keep up with the demand for it.

JOSEPH MCHAN.

HAIL INSURANCE. The party from Sibley, Ia., who fails to sign his letter, is respectfully requested to communicate with John G. Esler, secretary Florists' Hall Association, Saddle River, N. J., who will gladly supply all information desired regarding the insurance of greenhouse glass against hail.

ROSES

It is still a little early to think of doing much planting, for though the price of cut blooms is low at present, with June weddings and commencement the demand will increase and the returns improve. The large places have replanting well under way, but with them it is a necessity, as they could not do all their work in one month. Replanting is the hardest and costliest part of the work, especially when bench repairs are considered; still with the improved and economical methods of building concrete benches now devised, this task will be much easier. Every grower should try a few feet of concrete bench, built as described in the trade papers; or, better still, after ideas of his own, then after due trial let his brother florists know of his experience. Thus all will be benefited, and in these times the craft should help each other as much as possible.

If it has not been possible to get the soil for next season in shape, this work should not be put off any longer; and where the heaps have been prepared, they should be chopped down at once. The soil will then be in much better condition at planting time.

As suggested in the last notes, never allow the plants, old or young, to suffer for the want of water, even if they must be watered twice a day. On warm nights leave the ventilators wide open, and if possible a steam pipe turned on; the flowers will then keep their color and size. Fumigate lightly on every favorable occasion at least once a week, though twice is better. Sort over the young stock, allowing the plants a little more room. Discard all weak ones; they will never amount to much and it certainly does not pay to plant them. Do all the watering early enough, so that the foliage is dry by night, or trouble will result; and if very dry when the sun is hot, the foliage will scald—an other reason for watering early.

The flowers should be cut early and placed in water as soon as possible; those cut at noon seldom prove satisfactory to the purchaser. Make sure the water is fresh, as it soon becomes stagnant at this time of the year.

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Table listing florists and their addresses, including Stump & Walter, Swaine Wm., and others.

INDEX TO STOCK ADVERTISED

Table listing various plant species and their stock numbers, including Abutilon, Adiantum, and others.

Contents

Table listing contents of the publication, including Azaleas at Ghent, Ryam, E. J., and others.

Boston.

The Week's News, Many of the best growers in the locality have commenced to copy their houses and replant.

Washington, D. C.

News Notes, A rather premature dull week for the trade struck Washington last week.

Cultural Directions

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Club News.

The regular meeting of the Gardeners and Florists' Club was held Tuesday evening with a good attendance. E. E. Palmer gave an interesting talk on "The Art of Selling" and there was considerable discussion on the subject participated in by Messrs. Elliott, Welch, Kennedy and others.

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60 Auricula mixed .04	45 Hibiscus .04	65 Polemonium Reptans .05
125 Aquilegia Chrysantha .04	315 Hibiscus Crimson Eye .04	20 Polemonium Coeru-
145 Aquilegia Canadensis .04	45 Hibiscus .04	leum .05
230 Arabis Alpina fl. pl. .05	40 Iris Florentina Alba .04	90 Pardonanthus Sinensis .04
Alyssum compactum .06	275 Iberis Sempervirens .04	200 Platycodon Gran. .05
70 Artemisia .04	34 Iberis Correo-folia .08	Alba .05
65 Baptisia Australis .05	125 Iris Kämpferi .04	85 Phlox Rosa .04
155 Bocconia Cordata .04	290 Iris Spectabilis .04	180 Physostegia Virgin-
185 Boltonia Asteroides .04	30 Iris Pechelone .04	ica .04
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30 Chelone Lyoni .06	45 Oenothera Speciosa .06	30 Sweet William dem- .04
90 Cerastium Tomento-	60 Pyrethrum Gran. .15	ble mixed .04
sum .04	30 Pentstemon Digitalis .05	170 Salvia A. Grandiflora .05
25 Eupatorium aquat-	150 Panaxer Orientale .04	100 Sedum Spec. White .04
lids .04	235 Phlox Pre. Ministe. .04	35 Tunica Atrosanguin-
95 Eupatorium Fraseri .04	490 Phlox Queco .04	eum .05
200 Eupatorium .04	85 Phlox Dr. Hornby .04	45 Veronica Incana .05
1000 Golden Glow .04	75 Phlox Andrew Keer .05	275 Veronica Splcata .05

GRAFTED ROSES \$10.00 per 100; \$100 per 1000. Brides, Bridesmaids, Richmond and Killarney.

Chrysanthemum Stock 2 1/4 in pots

PINK	Per 100	YELLOW	Per 100	WHITE	Per 100
A. J. Balfour	\$2.50	Col. D. Appleton	\$2.50	Ivory	\$2.25
Pacific	2.25	Gold Mina	4.00	Alice Byron	2.25
Maud Dean	2.50	Monrovia	4.00	Mrs. Henry Robinson	2.50
Mrs. Coombs	2.50	Major Bonnaffon	2.25	Beatrice May	5.00
Pink Ivory	2.25	October Sunshine	2.50	Polly Rose	2.25
CHRYSANTHEMUM	Per 100	Yellow Eaton	3.50	Timothy Eaton	2.50
Black Hawk	\$2.25			White Dean	3.50
John Shrimpton	2.25			Yaoma	3.00
Mrs. Partridge	4.00			Jeanne Nonin	3.00

Edward J. Taylor, Greens Farms, Conn.

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100,000 Plants, now ready, in 2 1/4 in. pots of all the novelties and standard varieties. The best American and Australian seedlings, and a complete list of the new singles.
ROSES A splendid lot of Bridesmaids in 4 inch pots, ready for immediate planting. \$7.00 per 100, \$60.00 per 1000. Grafted Brides, Bridesmaids, Richmond, 4 inch \$18.00 per 100.
CHAS. H. TOTTY, - - - Madison, N. J.

CHRYSANTHEMUMS

WHITE	100	YELLOW	100
W. H. Chadwick	\$2.00	Golden Chadwick	\$2.00
White Bonnaffon	1.60	Major Bonnaffon	1.50
October Frost	1.60	October Sunshine	1.50
Estelle	1.50	Monrovia	1.50
Clementine Tonsel	1.50		
Jeanne Nonin	1.50	Dr. Enguehard	\$1.50
		Glory of Pacific	1.50

A. F. LONGREN, Satisfaction Guaranteed Desplaines, Ill.

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Successors to Nathan Smith & Son.

20,000 CHRYSANTHEMUMS Rooted Cuttings Now Ready.
WHITE—Timothy Eaton, Mrs. Geo. S. Kobb, fine early, Estelle, White Bonnaffon, Alice Byron, Ivory, C. Tonsel, Jeanne Nonin. PINK—Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere. YELLOW—Major Bonnaffon, Creme, Robt. Halliday, "Baby," small yellow. \$2.00 per 100; \$15.00 per 1000. Cash with order.
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GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

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Polly Rose, white	\$12.00
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Bonnaffon, yellow	12.00
Bonnaffon, white	12.00
Jones, white	12.00
Jones, yellow	12.00
T. Eaton, white	12.00
Dr. Enguehard, pink	12.00
Helen Frick, pink	20.00
McArthur, white	12.00

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CHRYSANTHEMUMS

Good Rooted Cuttings and plants from soil now ready.
WHITE—Estelle, Polly Rose, A. Byron, Ivory, T. Eaton, Geo. S. Kobb, Mrs. Robinson, Opah. YELLOW—Robert Halliday, Col. D. Appleton, Creme, Mrs. John Whildin, Major Bonnaffon. PINK—Glory of the Pacific, P. Ivory, Dr. Enguehard, Minnie Bailey.
\$1.25 per 100; \$12.00 per 1000.
(Cash or C. O. D.)
D. H. GREEN, West Grove, Pa.

JOTTINGS FOR FLORISTS
BY EDWIN LONSDALE

Bulb Sports Tulips are given to sporting. Flamingo is a sport from White Hawk; in coloring it is a light and dark rose, mingling together. The White Joost Van Vondel has sported a rose-colored flower, which has the same large size and fine shape of the white form. Primrose Queen is a yellow and white sport from La Reine, and Rose La Reine is a delicate rose-colored sport from the same source.

A Late Azalea It is not often that azaleas are needed in flower in the trade after Easter, but if there should be a necessity for such, it would be well to bear Souvenir de Prince Albert in mind in this connection as being an excellent variety for decorative purposes at this season of the year. It is now in bloom, having been brought into a minimum night temperature of 52 degrees from a cold pit April 10 last. It is a free bloomer. The individual flower is not as large as are those of some varieties of more recent introduction, but it is large enough for all practical purposes. The flower is semi-double, and in color it is a cheerful salmon pink, irregularly blotched on the edges of the petals with white. Taking it altogether it is a very useful and showy late variety.

May Tulips What "Straw Hat" says about May-flowering tulips in May 16 issue, page 670, is fully appreciated. They are, as he says, "gorgeous in their beauty." We have grown and flowered them here, but, although they bloom very much later than the early-flowering type they do not flower late enough for our purpose in Girard College grounds. If varieties of tulips that are naturally late could be induced to be at the very height of their glory on May 20 they would be planted to the exclusion of all other varieties or species; but alas! those we have tried—among which were Gesneriana, Picotee, Bouton d'Or, some of the Darwins and Parrots—were all dropping and done for a week or ten days before—so here—that very important day, Plunder's Day—Stephen Girard's birthday!

But the trouble complained about in Jottings, appearing in issue of May 9, was the substitution of inferior varieties of tulips and their blooming at a different time from those that were ordered, causing vexation and mortification, and not whether they were April or May-flowering varieties. With the easy consciences apparently possessed by the unscrupulous exporters they would not hesitate to substitute among the May-flowering varieties as they have done in the earlier flowering sorts.

The Carnation Situation I thoroughly enjoyed reading John Birnie on the "Carnation Situation." He certainly knows how to put a matter to be understood. It was news to most of us outside the neighborhood of New York City to learn that 50 per cent. more glass is devoted to carnation growing to-day than there was a year ago. It is no wonder there has been a surplus. We in Philadelphia have fully realized there were more carnations grown than could be sold to advantage to the grower; but not to the same extent has the glass area for the culture of carnations been increased as it has around New York.

In talking with Robert Kift a few evenings ago about the best way to dispose of large quantities of flowers, he believes thoroughly in advertising. He is using the columns of one of the popular afternoon Philadelphia newspapers. It costs money, he says, to advertise, but he has found it to pay. He went on to say how successful a Pittsburg (Pa.) firm of florists had been in its advertising. Eight hundred boxes at one dollar each had been disposed of in one day, and on another occasion, that of St. Valentine's Day, twelve hundred one-dollar boxes had been sold. "THAT'S GOING SOME!" If I mistake not, Messrs. C. W. Ward

and Eugene Dailedouze would not object to that style of disposing of their product. What has been done in an inland town in Pennsylvania ought at least to be triplicated by the wide-awake florists in and around the great metropolis of New York.

The Shamrock The other evening I saw a small pot filled with the "dear little shamrock." I wanted to learn all about it; how long it had been in the lady's possession and so forth. To which the lady replied: "Ever since St. Patrick's Day." It was given to her at one of the Philadelphia department stores. I wanted to know how she had succeeded in keeping it so healthy so long in so small a pot—2 1/2-inch. "Oh, nothing," she said. I could not understand how that could be, for a plant to look so well in so small a pot and she had had it at least two months. "Well, I have watered it at least every day; I have never forgotten to give it plenty of water on the soil and in the saucer; sometimes it needs watering again toward evening. When I notice the saucer in which the little plant stands quite dry, I pour a little water in the saucer and I find it has all gone next morning." "Well," said I, "do you call that nothing?" "I thought," said she, "that you meant had I given it some plant food or some mysterious treatment."

That lady has solved the problem of taking care of plants in the home. I never forget to give it plenty of water. That is the whole secret of plant growing in the home and it tells the whole story.

Now I am on the subject of the shamrock it may be as well to say that the plant or plants in question bore testimony that the seed had been sown directly in the pot and allowed to grow on in that way, whereas, when I was at the greenhouse establishment of John F. Rupp, Shiremanstown, Pa., last January, there the shamrocks were growing a single plant in a 2-inch pot, and a neat, thrifty plant it was making; but this is by far the most expensive way of growing this popular little plant, both in the time it took to grow a given plant and the handling thereof. The seed was more an item of expense in the Philadelphia production.

In passing I must say that Mr. Rupp's place was conducted very systematically and was in the pink of condition. "A place for everything and everything in its place," was strictly carried out.

Chinese Primroses Mr. Rupp's place has been famous for years for its superior strain of Chinese primroses for commercial purposes, and the plants that were set aside to be used for seed saving were of good colors and size. Mr. Rupp assists the flowers in pollination so as to insure as far as possible a good crop of seed. Who would imagine that it takes four months after the flowers are fertilized to perfect and ripen the seeds? That's what Mr. Rupp says, and my own experience the present season substantiates that statement.

Now is the time to place your orders for
BEGONIA GLOIRE DE LORRAINE, CYCLAMEN and POINSETTIAS
I am well equipped to supply the above in any quantity at the following prices:
BEGONIA GLOIRE DE LORRAINE, 2 1/2 in. pots (leaf cuttings), \$15.00 per 100; \$140.00 per 1000.
CYCLAMEN, 2 1/2 in., \$5.00; 3 in., \$7.00; 4 in., \$15.00; 5 in., \$20.00.
POINSETTIAS, 2 1/2 in., \$5.00 per 100; \$45.00 per 1000.
Satisfaction guaranteed.
S. S. SKIDELSKY
1741 No. 18th St., PHILADELPHIA

May 23, 1908

GERANIUMS

S. A. Nutt, John Doyle, A. Ricard, Buchner, Castellane, Jean Viaud, Beaute Poitevine, Mme. Sallerol, 2 in. pots, \$2.00 per 100; 3 in. pots, \$3.00 per 100; 4 in. pots, \$5.00 per 100.

COLEUS Golden Bedder, Crimson Verschaffeltii and 15 other varieties. R. C., 60c. per 100; \$5.00 per 1000; 2 in. pots, \$1.50 per 100; \$15.00 per 1000.

ASPARAGUS Sprengeri and Plumosa Nanus, 4 in. pots, \$5.00 per 100. 100 100 100
R. C. 2-in. 3-in. \$0.50 \$1.50

AGERATUM, Gurney \$0.50 \$1.50

SALVIA, Bonfire .75 2.00

HELIOTROPES .75 2.00

FUCHSIAS, 10 varieties .75 2.00 3.00

FANCY PLANTS, \$5.00 and \$8.00 per 1000.

Asters, Stocks, Phlox, Verbenas, Single Petunias, 2 in. pots, \$1.00 per 100.

Salvia Bonfire, 3 in. pots, \$3.00 per 100.

Cash with order.

ERNEST HARRIS, Delanson, N. Y.

SPECIAL FOR DECORATION DAY

Blue 5 in GERANIUMS at \$15.00 per 100. Fine stocky plants in bud and bloom, 2 1/2 in., \$3.00; 3 in., \$5.00; 4 in., \$8.00; Nutt, Ricard, J. Viaud, M. Chevalier, M. Jaulin, Dryden, F. Perkins, Hill.

PANSIES, Extra fine strains, in bud and bloom, \$1.00 per 100; \$17.00 per 1000.

COLEUS, Assorted Rooted Cuttings, 75c. per 100; 2 1/2 in., \$2.50 per 100.

ASPARAGUS Plumosa, 1 in., \$10.00 per 100

ASPARAGUS Sprengeri, 2 1/2 in., \$3.00; 3 in., \$5.00.

CANNAS, \$8.00 per 100.

CALADIUMS, 15c. and 20c.

Cash or C. O. D.

W. J. & M. S. VESEY, FORT WAYNE, IND.

GERANIUMS and other PLANTS in bud and bloom

Geraniums, S. A. Nutt, Beaute Poitevine, Alphonse Ricard, La Favorite, Frances Perkins, Marquis de Castellane, 3 1/2 in. pots, \$5.00 per 100. Rose Geraniums, 2 1/2 in. pots, \$5.00 per 100. Ivy Geranium, double, Garden Glory, incomparable, Alice Crousse, De Brazz, 3 1/2 in. pots, \$5.00 per 100. Fuchsias, Snow White and Star King, 4 in. pots, \$8.00 per 100. Cannas, Charles Henderson, Duke, Florence Vaughan, Martha Washington, pink, 4 in. pots, \$5.00 per 100. Pelargonium Victor, 3 1/2 in. pots, \$7.00 per 100. Begonia Metallica, 3 in. pots, \$4.00 per 100. Petunias, large dowering, 3 in. pots, \$2.50 per 100. Verbenas, 3 in. pots, \$2.50 per 100. Heliotrope, 3 1/2 in. pots, Chiffon and Queen of Violets, \$5.00 per 100. Vinca Variegata, Ageratum, Dwarf Blue; Geraniums, Jean Viaud, La Favorite and John Doyle. Begonia, Rex, mixed, 3 in. pots, \$4.00 per 100. Phlox, Drummond and Nasturtium, 3 in. pots, \$2.50 per 100. Salvia, Splendens, 2 1/2 in. pots, \$2.00 per 100. Cash with order.

WM. J. CHINNICK, TRENTON, N. J.

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In 3 1/2 in. pots. S. A. Nutt, John Doyle, Francis Perkins, Bertha De Presilly, Beaute Poitevine, Double White and Castellane, \$7.00 per 100 and shipped in paper pots. Mme. Sallerol, in 2 1/2 in. pots, \$3.00 per 100. Cash with order.

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In bud and bloom, strong plants. S. A. NUTT, GRANT, DOYLE, RICARD, LA FAVORITE, 3 in. pots, \$3.50 per 100; 4 in., \$5.00 per 100. Cash with order.

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5000 S. A. Nutt, 3 1/2 in. \$5.00
2000 S. A. Nutt, 3 in. 4.00
2000 Double Gen. Grant, 4 in. 5.00
2000 Double Gen. Grant, 3 in. 4.00
5000 Mme. Sallerol, 2 1/2 in. 2.50

CANNAS
5000 A. Bouvier, Queen Charlotte, Pres. McKinley, 4 in. \$5.00

PETUNIAS
5000 Dreer's strain, double and single, 3 in. \$3.00
BOSTON FERNS, 3 in., \$5.00 per 100; 6 in., \$25.00 per 100; 7 in., \$35.00 per 100.

500 VINCA Variegated, 4 in. \$0.50 per 100.

500 HOLLYHOCKS, double, 2 1/2 in., \$3.00 per 100.

Cash with order

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GERANIUMS

and other plants in BUD and BLOOM

Nutt, Poitevine, Poitiers, Viaud, Doyle, etc., and pink, 1 in., \$0.00; 3 in., \$1.00.

CANNAS, Mrs. Kate Gray, Egandalo, Alba Rosea, Pennsylvania, Robusta, etc., 3 in., \$1.00 per 100.

CENTAUREA Gymnocarpa; **BEGONIA** Vernon Graells; **FUCHSIA**, Little Beauty; **FORGET-ME-NOT**, in bloom; **SWEET ALYSSUM**, Little Gem, full of bloom; **NASTURTIUM**, dwarf crimson; **PANSIES**, strong clumps in bloom; **PETUNIA**, dwarf inimitable, \$3.00 per 100.

CALADIUM Esculentum Bulbs, 8-10 in., \$3.00 per 100.

TUBEROSES, double dwarf Pearl, selected bulbs, 1-6 in. in circumference, 50c. per 100, \$7.00 per 1000. Second size, fine blooming bulbs, \$1.00 per 1000.

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The Leading Varieties for Florists

Prices of named varieties of Dahlias, field-grown whole clumps, 40c. per doz., \$3.00 per 100, \$25.00 per 1000. All kinds mixed, 30c. per doz.; \$2.50 per 100; \$20.00 per 1000.

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FIRST-CLASS STOCK 100,000 Geraniums, bushy, excellent, strong plants.

In bud and bloom. D. Grant, Poitevine, Buchner, Nutt, Castellane, Rose, 3 1/2 in., \$4.50 per 100; \$40.00 per 1000; 3 in., \$3.00; not in bloom, \$2.50 and \$3.50 per 100. 100,000 Colons, in 12 varieties, strong, 2 in., \$1.50 per 100; \$14.00 per 1000; strong, 3 in., \$2.50 per 100; \$20.00 per 1000. Begonia Vernon, elegant, bushy plants, in bloom, 3 in., \$4.00 per 100.

Verbenas and Dreer's Petunias, single fringed, in bloom, strong, 3 in., \$2.50 per 100. Verbenas, 2 in., in bloom, \$1.50 per 100; \$12.00 per 1000. Nasturtiums, 2 in., \$1.50. Cannas, 3 in., \$1.00. Salvia Splendens and Bonfire and German Ivy, strong, 3 in., \$2.50; 4 in., \$4.00 per 100. Cash; money back if not satisfactory.

WM. S. HERZOG, Morris Plains, N. J.

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S. A. NUTT, large, well-grown plants, in bud and bloom, \$7.00 per 100, in large or small quantities, out of 3 1-2 inch pots. Cash.

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RICARD, DOYLE, VIAUD, NUTT, 2-inch, \$2.00 per 100, \$18.00 per 1000.
NUTT, BUCHNER, RICARD, VIAUD, JAULINE, 4.00 per 100, 3-inch pot.
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Strong, pot-grown, Nutt, Ricard, Poitevine, etc. Stocky, \$1.40 per 100.

ALTERNANTHERA Fine bushy plants, Red Rug and A. Nana, \$7.00 per 1000.

COLEUS Bushy from soil, ready to plant out. Red, 80c., Fancy, 60c., Giant, 75c. per 100.

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Plumosa Nanus, 2 1/2 in., \$4.50 per 100, \$40.00 per 1000; 3 in., 7c.; 3 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. Comorensis, 2 1/2 in., 4c.; 3 1/2 in., 10c. Sprengeri, 2 1/2 in., 4c.; 3 in., 8c.; 4 in., 10c.

Bostons, 2 1/2 in., 4c.; 3 in., 8c.

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GERANIUMS, S. A. Nutt, John Doyle and mixed colors, 4 in. pots, \$7.00 per 100.

AGERATUM, dwarf blue, best bloomer, 4 in., \$7.00 per 100.

BEGONIA Vernon, finest strain, as dark as blood. Seeds of this beautiful variety picked by myself from specimen plants in Zurich, Switzerland, 4 in. pots, \$8.00 per 100; 3 in., \$5.00 per 100.

BEGONIA, new improved Erfordi, the true variety. Seeds are gathered by myself in Europe; nothing can beat this beautiful variety, either in brilliancy or in blooming, as it is always in flower Summer and Winter, 4 in. pots, \$10.00 per 100; 3 in., \$7.00 per 100.

SALVIA or Scarlet Sage. I only grow one variety, and that is the true Clara Bedman or Bonfire variety, of medium tall habit. A whole bed planted in mass is a sight to see when blooming. It looks as if the whole bed is on fire; hardly any leaves are visible. This variety decorates all the gardens in the capitals of England, France, Germany and Switzerland. The seeds of this novelty are collected by myself in Switzerland; therefore, I can supply the pure stock, 4 in., \$10.00 per 100.

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FUCHSIAS, best varieties, 4 in., \$7.00 per 100.

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GERANIUMS, Mme. Sallerol, 2 1/2 in., strong, \$4.00 per 100.

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S. A. Nutt and 4 other varieties, 3 1/2 in. pots, fine \$3.50
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S. A. Nutt, A. Ricard, Jean Viaud, Poitevine, Doyle, Buchner, Jaulin, 3 in., in bud and bloom, \$1.00 per 100.

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ENGLISH IVY, 2 and 2 1/2 in. pots, strong, \$2.00 per 100.
GERANIUMS, double red, \$1.75 per 100.
ARAUCARIAS, 20 in., four Herms, \$1.00.
CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

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Seedsmen and the Trade in General

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to use and runs down your paper, so to speak. I don't
like that much."

[We are glad to have been of service to you, and ap-
preciate your commendatory remarks. The feeling you
entertain regarding the petty tactics adopted by the
journal you name is a natural one, and we believe it is
that of every one of our advertisers similarly solicited.
All good business men have nothing but contempt for
the fellow whose only asset is the decrying of his com-
petitor's goods. And such unworthy methods harm only
those who put them in practice. The "foul competitor,"
detestable as he is to all fair-minded people, is one of
the business evils that must be endured; his case is in-
curable. Ed. F. E.]

PUBLICATIONS RECEIVED.

AMERICAN CARNATION SOCIETY—The proceedings
of the seventeenth annual meeting, held at Wash-
ington, D. C. January 28 to 30, 1908, has been dis-
tributed by Secretary Herr. The report comprises
144 pages, and contains the various papers read,
a full stenographic account of the discussions, carnations
registered in 1907, list of members, etc. The
talk of Professor Norton on Carnation Breeding, also
the essay of C. W. Ward on the same subject, the
latter illustrated with plates showing studies in form
and calyx as well as Mr. Galloway's lecture on ex-
periments with carnations, will be found of absorb-
ing interest. A fine portrait of Ex-President Fred.
Lemon forms a fine ornament. The report is fully
up to the high standard of its predecessors, and re-
flects the greatest credit on the efficient secretary.

Plant Registration by the S. A. F. O. H.

In our issue of May 16, page 678, appears an in-
teresting communication from Secretary W. N. Rudd
of the S. A. F. O. H., setting forth the position of
the society upon the matter of plant registration as
understood by its officers. All right-thinking per-
sons will agree with Mr. Rudd's remarks regarding
the purposes of registration; but this is the first
time that we have seen or heard of registration of
a name being "confused with a certificate of merit."
Such confusion would hardly seem possible were the
subject given any thought at all.

The "sharp criticism" referred to by the secretary,
as far as our knowledge goes, has arisen from the
manner in which the system is conducted rather than
anything else. Speaking for ourselves, we have time
and again pointed out that in our opinion the regis-
tration of a name cannot be dissociated from the
fact that a new plant has been obtained, and our
own criticism has been mainly directed toward the
society publishing over the signature of its official a
description of that new plant, often containing the
statement that the subject registered is superior to
all others of its class, thereby making the society
responsible for the promulgation to the world of
information regarding which it knows absolutely
nothing. This is certainly not an enviable position in
which to be placed.

Mr. Rudd's communication, if it does anything,
clearly points out the weakness of the society in the
carrying out of the registration of plants. In the
first place, that weakness is demonstrated by calling
for objections, if any, to the name registered, show-
ing that the society has no confidence in its endeavor
along this line and that it trusts to the readers of
the trade papers to help it keep its records straight.
As an instance, let us cite the recent desired regis-
tration of the rose Mavourneen. Had the secretary
been possessed of the proper records, it would have
been entirely unnecessary for him to publish the
entry and call for objections thereto. With the
available information at hand he himself could have
at once informed the firm desiring to register the
appellation Mavourneen that the same name had
previously been applied to a rose, without continuing
to the country to point out that fact.

This is a regrettable position, we think; but, under
the circumstances, it evidently cannot be avoided
from the fact that the S. A. F. O. H. is not properly
equipped with records and other data whereby it
can of itself take the positive stand that the name
registered is not a duplicate. The fact that dupli-
cations of names have been corrected by outsiders does
not assist the society one iota in its present position
connected with this matter.

When it comes to the renaming of plants, the
organization is in a more deplorable condition, owing
to the defects enumerated by the secretary, namely,
"the lack of a corps of expert growers and plants-
men and a large collection of growing specimens, as
well as a complete herbarium," etc. We venture to
assert that the society stands forth to the world in
a most anomalous position by attempting to do
something, and that authoritatively, for which it is
not in the least properly equipped.

We have pointed out previously, and reiterate,
that this whole registration plan should be placed
in the hands of the Bureau of Plant Industry at
Washington, D. C., and we have hopes that this will
sooner or later be done. Such a step would relieve
the S. A. F. of attempting to carry out work for
which it is, as we have said, in no position to per-
form satisfactorily, place the plant registration mat-
ters of the country where the trade and the public
can have confidence in the work done, also tend to
remove from the organization the "sharp criticism"
which, under existing conditions, is sure to ensue.
It does not seem to us right that the S. A. F. should
drag along in the matter of plant registration in
the haphazard manner in which it has been doing;
rather should the work be in the hands of some
institution which can give it the necessary and im-
perative attention to render its records authoritative
and put the whole plan on a basis regarding which
there can be no question or dispute.

We observe the comments of our esteemed Boston
contemporary on this subject, wherein it is stated
that the "S. A. F. has been doing business in a
simple, sensible and unpretentious method and not
trying to do impossible things. That method has
served its purpose well and is good enough for the
S. A. F. to stick to for twenty years to come."

This characteristic opinion is not borne out by
the statements of Mr. Rudd himself, who plainly
shows that the society has been trying to do things
impossible of execution by it on account of the de-
fects named by the secretary. It is also a question
as to whether the method has "served its purpose

well"; and there are sure to be, we think, differences
of opinion as to whether such a method, unsatis-
factory as it is, is good enough for a national organi-
zation of the caliber of the S. A. F. to stick to for
two decades more. There are many, like ourselves,
who believe that the S. A. F. should, as we have
stated, relinquish all plant registration matters in
favor of an organization far better equipped to take
care of the work in the manner in which it should
be looked after, than the society can ever hope to be.

Society of American Florists and Ornamental Horticulturists.

Appointment of Vice-President.

President Traendly has appointed John L. Parker
of Birmingham, Ala., as State vice-president for his
State.

Census Committee.

President Traendly has appointed Messrs. Patrick
O'Mara, Jersey City, N. J., J. A. Valentine, Denver,
Colo., and Albert T. Hey, Springfield, Ill., as a com-
mittee to co-operate and advise with the Census
Department regarding matters relating to ornamen-
tal horticulture in the approaching United States
Census.
W. N. RUDD, Secretary.

OUR READERS' VIEWS

The Neglect of Our Native Shrubby.

Editor Florists' Exchange.

Near where I live the banks of the streams are
now aglow with the bloom of the *Kalmia latifolia*,
and yet one never sees it on the lawns. The coral
honeysuckle is clambering and blooming over the
bushes in the woods, but one rarely sees this pretty
climber in the grounds here. Out on the mountains
of Western North Carolina two weeks ago I saw
the flame-colored *Azalea calendulacea* glowing over
the hillsides, but I never saw one planted on a
North Carolina lawn. This neglect of the native
shrubby is worse in the South than elsewhere, for
there are so many wild broad-leaved evergreens that
would make the lawns gay.

Ilex Cassine makes great thickets on the North
Carolina coast, and when it is covered with its great
clusters of red berries it is far more attractive than
the ordinary holly. But we never see it planted.
Ilex glabra is also common there and has black
berries; but it is to the people only a "gallberry" and
they never think of planting it, though Mr. Manning
has made free use of it in the grounds at Pinehurst,
N. C., the famous Winter resort for Bostonians.

At the North Carolina College of Agriculture I
planted about 18 years ago a large clump of the
varieties of *lauro-cerasus* or Portugal laurel. Peo-
ple admire that mass of evergreen foliage, but none
have followed the example. There too I planted the
olea or *Osmanthus fragrans*, now a large bush and
perfuming the atmosphere late in the Fall; also
aucubas that do finely there and the *Photinia japo-
nica* or *sericula*, which is a hardy evergreen far
north of North Carolina. There, too, I planted the
evergreen *eleagnus*, both the bushy forms and the
climbing with golden variegated leaves, and *Osman-
thus aquifolia*, the plant of the olive group with
leaves so like the holly, and that, too, is hardy far
north of that section, but is seldom seen.

In Philadelphia one does see pretty clumps of
the *Azalea amena* and now and then an *Azalea alba*
outdoors, and seldom nowadays the *Azalea mollis*.
But these are often seen in the South, though all
the Chinese azaleas are hardy there when sheltered
from the morning sun. In Eastern North Carolina
one often sees fine old plants of *Camellia japonica*,
but few people seem to be planting them now. Of
course, this is not a native as some others I have
mentioned are not; but what I want to enforce is
that, native or exotic, there is a great wealth of
shrubby that could be used in the South and much
of it in the North that would give us a variety of
bloom instead of depending entirely on the spiræas,
deutzias, forsythias and weigelas.

Then as to the privets. Everyone seems to be
planting the ovalifolium or California privet. I had
in North Carolina the *Ligustrum japonicum latifolium*,
which is there as evergreen as a holly, and I saw
the same plant in the borders of the Botanic
Garden at Washington recently that had not had a
leaf singed during the Winter. I believe that it

would be fully as evergreen as it is there in Philadelphia and perhaps might stand well in New York City. I sent this plant a year or so ago to Mr. Meehan without a name, as I had lost it, and we came to the conclusion that it was Ligustrum lucidum, but seeing the plant at the Botanic Garden in Washington convinced me that it is japonicum.

Then the varieties of the Persian lilac, that make such a display of their long racemes, are far more showy, I think, than the common purple lilac. It would repay any one to visit the shrubby borders at the Botanic Garden at Washington at different times to see the great variety there is in shrubs, blooming at different seasons.

I asked a man recently why people here do not plant the kalmia, which, by the by, they call ivy, as also they do in the Virginia mountains. He said it was thought that it would not grow on the lawns. Probably some have tried to transplant it and neglected the one thing needed by all the broad-leaved evergreens—defoliating. Taken up just before growth begins in Spring, and all the leaves plucked off, it is easy to transplant the wild plants of the kalmia and other broad-leaved evergreens, while it this is not done they are hard to get to live. Magnolia grandiflora, hollies and such I have transplanted in this way with perfect success, moving at times very large hollies from the forest.

Our wild azaleas are seldom seen in the grounds of any of the village or country people, and yet the Azaleas nudiflora and viscosa are easily grown; and the rhododendrons from the mountains will all grow where the soil is not limestone, if the leaves are plucked off as they are lifted from the woods.

Some years ago Mr. W. R. Smith of the Botanic Garden sent me some crossbred seed of crepe myrtle, and the variety of shades I got from these was surprising. Here and there one sees in the South the more recently introduced white crepe myrtle, but generally only the pink and purple. From seed I got plants with white flowers each with a purple base to the petals, pale lilac, pale pink, deep rosy pink, pale purple and very dark purple, and many with heads of bloom immensely larger than those of the old varieties.

There is room here for a great improvement for Southern gardens; the crepe myrtle blooms for so long a time that a variety of shades would make a very attractive clump.

In short, we need a greater variety in our shrubbery both North and South.

W. F. MASSEY.

Clematis Montana.

Editor Florists' Exchange:

Referring to an inquiry on page 671 of The Florists' Exchange, I have a large plant of Clematis montana, which has been in bloom since about April 10 and still has a few sprays with a number of flowers on them. The plant seems to require a year or two to become thoroughly established, although in this particular case a Magnolia grandiflora, which grows in close proximity, may have something to do with its tardy development. My plant has been in its present position three years, and I have noted a similar shyness in a few other cases where I have introduced this plant. It has never been affected by frost in the slightest, and I do not understand why it should not succeed farther north; in fact, H. A. Dreer, Inc., have a cut in one of their catalogues showing a fine example in full bloom which is said to have developed under quite adverse conditions. The same firm also offers a red form of the plant.

That it grows vigorously after becoming established there is not a doubt, and that it is very beautiful is equally true. A few pieces, two to three feet long, sent to my store, kept in good shape several days. It would be useful for florists' work, such as funeral designs or for mantle draping or even to relieve wedding bouquets of their more or less stereotyped appearance.

Washington, D. C.

J. R. FREEMAN.

Memorial Day is Correct Term.

Editor Florists' Exchange:

So many of your writers and advertisers term Memorial Day Decoration Day that it is worth saying again that the Grand Army of the Republic has time and again called attention to the error on the part of those who term it Decoration Day. Quite a few of your advertisers got the name right, Henry M. Robinson & Company of Boston and Pennock-Meehan Company, Philadelphia, among them, I see; while quite close to them in your columns another Boston and another Philadelphia firm have it wrong.

G. A. R.

PRICES IN GERMANY. According to "The Field," a German horticultural paper, efforts are making by the nurserymen, florists, and others interested in horticultural produce to bring about something like uniformity of prices by establishing a tariff that shall be recognized as binding to the dealers. The keenness of competition leads to under-selling and over-production, which has such a disastrous influence on prices and spoils the market. It is not only in Germany nor in horticultural industries that this condition of affairs is brought about by competition. The cure for it hitherto has been the trust or combine; but we rather fancy that what is done for such commodities as beer, bread, etc., might well be practiced in other markets without injury to the consumer. The Germans' aim is to fix a minimum price for every article, and to induce all traders to refuse to sell below that minimum. They also hope to be able to fix a minimum price for services or labor, which is only what is done by the trade unions for numerous classes of workers. Hitherto the gardener has worked in Germany, as in other countries, including England, for low wages—lower than appear



The Late William Scott

to be reasonable. He has also sold his produce in the competitive market with the too often result of obtaining lower prices than would yield anything like a profit; often, too, they meant a loss. It will be interesting to watch this move on the part of the German horticulturists. In this country while garden produce may be returning miserably low prices to the growers, it may at the same time be realizing high prices from the consumers; in which case the dealers have the best of it.—Horticultural Trade Journal, Eng.

The Horticultural Trade Journal, in its issue of May 6, contains an interesting, illustrated account of the Horticultural Traders' Continental tour, in which Richard Vincent, Jr., White Marsh, Md., took part. Mr. Vincent has given our readers, from time to time, a brief narrative of this enjoyable and instructive journey; but he was apparently too modest to state that at a dinner in Ghent J. S. Brunton, one of the party, proposed a toast to Mr. and Mrs. Vincent, to which the former "replied in a racy speech, in which he gave many interesting details of horticulture in America." At another dinner given in Brussels, Mr. Vincent responded to the toast of "The Ladies." In a group photograph, taken at Ghent, we recognize our esteemed friend in the center of the front row of the journeying traders.



William Scott.

Though not unimpaired, the name of William Scott, the genial, wide-souled, master of the florist of Buffalo, N. Y., who passed away on Thursday, May 19, 1908, will come as a severe shock to the whole of the florist trade in the United States and Canada. Mr. Scott had been ailing for two years, having experienced a paralytic stroke which confined him to his room. He recovered sufficiently from this illness to be able to walk around, but last week he had a second stroke and the end came, as stated.

Mr. Scott was born July 31, 1841, at Leigh Park, Hampshire, England, the country home of Sir George Thomas Stanton, one of the finest gardeners in Europe, where his father, a Scotchman, was head gardener 27 years. He attended a private school in the neighboring town of Havant until he was thirteen years of age. His first gardening work was done under his father. When Mr. Scott was seventeen years of age the family moved to Chichester where his father rented the Northgate nurseries. Here William worked until the Spring of 1868, excepting for two years, during which time he was employed in the seed store of W. H. Rogers of Southampton, famous as a most estimable man and as a good grower of rhododendrons.

Possessed of a spirit of adventure, Mr. Scott with his brother Alexander, now of Baltimore, and his friend, E. J. Mepsted, now of Ottawa, Ont., emigrated in 1868 to Canada, all securing work in the nursery of George Leslie. The following Winter Mr. Scott obtained employment with James Pape, who grew plants for the Toronto market. In the Summer of 1869 the young men tried market gardening and the seed business in Stratford, Ont., but the receipts were not sufficient to provide a livelihood for all of them. Through his old friend, the late George Vair, Mr. Scott then took charge of the greenhouses and gardens of George Bailey of Buffalo in 1870. In 1876, through the declining business of his employer, Mr. Scott was almost compelled to rent the houses, quite a little commercial growing having been done the preceding two years. This establishment he rented for three years, and at the end of that time gave it up. About 1879 he purchased an acre of ground in the Cold Springs district of Buffalo on which he erected two greenhouses, and these have been augmented by others to meet the necessities of his trade until a large plant has been built up. A few years ago the firm was incorporated under the name of the William Scott Company, the partners being all members of the family. In addition to the Buffalo plant, a growing establishment at Corfu, N. Y., consisting of two acres, was acquired and operated.

We think it can safely be said that no man was better known in the florist business or more highly esteemed for his many qualities of heart and brain than William Scott. For many years he had been a constant contributor to the trade papers, his articles on a wide range of subjects being at all times intelligent and practical. He was a regular attendant at the conventions of the S. A. P. O. H., and of the American Carnation Society, of which bodies he was a member, and his advice and counsel were often sought in these gatherings on matters of the most vital importance. He was a fluent and ready speaker and had the happy knack of injecting into his remarks flashes of wit and humor, which were greatly appreciated by his hearers. Mr. Scott served most acceptably as president of the Society of American Florists in 1896 at the Cleveland (O.) convention. He was a man widely read, with literary attainments beyond the average in the ranks of the florist business. He had a fund of stories that was inexhaustible, and was the life of every social gathering at which he was present. Perhaps it was as toastmaster on these occasions that he showed to best advantage as a speaker. His writings on horticultural subjects he elaborated and compiled in book form under the title of "The Florists' Manual," a standard work of its kind today.

During the Pan American Exposition Mr. Scott held the position of superintendent of floriculture, and the many beautiful floral designs seen about the exposition grounds were monuments to his skill as a landscape gardener, meriting the commendation of all who viewed them. He was several times president of the local Saint Andrew's Society, also of the Buffalo Florists' Club.

Loyal, both to friend and cause, this gifted, genial man will long be remembered for the excellent services he rendered to the noble profession of which he was a bright ornament.

He is survived by his widow, six sons—Robert, Alexander, William, Jr., Oliver, David and Philip—and one daughter, Helen.

The funeral was held on Thursday at 10 a. m. and was largely attended.

THE FOUNDATION OF SUCCESSFUL VIOLET GROWING

Lecture by Dr. Beverly T. Galloway,
Chief, Bureau of Plant Industry,
Before Horticultural Society of New York, May 13, 1908.

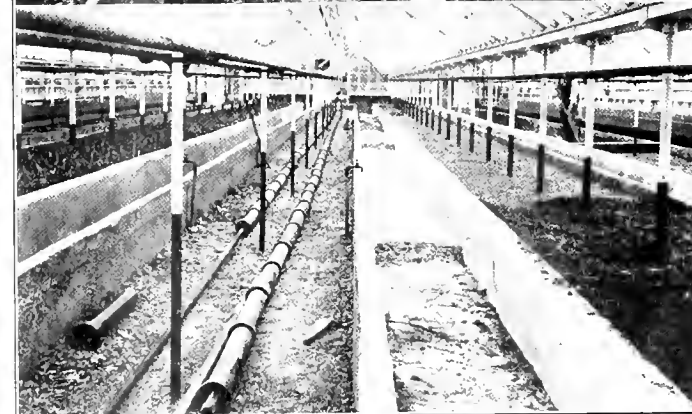
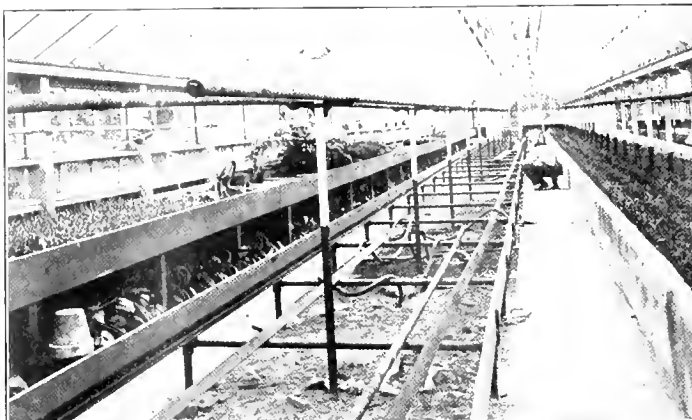
There are four special crops grown in this country, which in the order of their commercial importance are: (1) the rose; (2) the carnation; (3) the violet; and (4) the chrysanthemum. Although I have been gathering statistical data of one kind and another bearing on these crops for the past fifteen years, I am not sure just at present whether I am justified in naming the rose first, or whether it should not give place to the carnation. However, this is a matter aside from my subject, except as a way of introducing the fact that the violet, modest and sweet and without the queenly qualities of her competitors, stands third in actual value of cash returns for money invested.

Some Peculiarities of the Violet Business.

The violet business has some rather interesting and peculiar conditions associated with it. Like the growing of certain crops, the production of poultry, etc., there seems to be an idea prevalent among people who have tried many things and failed that the violet is one crop they can take up without giving any great study to the conditions involved. It is not an unusual thing to find men who have all their lives been engaged in farming, or the trades, or commercial work, getting interested in violet culture, going into the business, and succeeding in an incomprehensible way for the first two or three years. Then, again, I suppose, there are more women scattered through the country who have an idea that they can take up this business than almost any other connected with the growing of crops under glass. As a matter of fact, schoolmarm, clerks, lawyers, doctors, and various others who have, or think they have, opportunities of success, start out with a view to coining money in the production and sale of violets. Doubtless much of this interest in the crop arises from the fact that it does not cost a great deal, comparatively speaking, to start the work. The violet is modest, not only in itself, but in a measure in its requirements, and although it is amenable to a great extent to good treatment, it will sometimes do remarkably well under very indifferent conditions. I have pointed out in the course of my work with this crop, that there are probably more failures in growing it than are to be found with any other plant produced under glass. This, to my mind, is not so much due to inherent difficulties in the crop itself as it is to the fact that so many inexperienced people undertake to grow it.

Looking back over the past fifteen years, it is of interest to me to note that of all the men who were successfully growing the violet ten, twelve, or fifteen years ago, there are very few of them left at the present time. Some of these good people have branched out into other lines, but the greater portion of them have quit the business entirely. There are new growers coming on all the time, however, so that the market is not lacking for a supply of the flowers. Altogether it may be said in this connection that the trade in violets is practically holding its own. There has been no great increase in the demand for the crop, but there has been a wholesome and legitimate growth of the market, largely due to the increasing population in our cities and the demand for a flower, which, when fresh and sweet, is always marketable. There is one peculiarity about the violet that will always make it more or less in demand, and that is, the season for it is circumscribed within certain definite months. The carnation and the rose have long seasons; the chrysanthemum a short one, and the violet somewhat longer but still short when compared to the first two crops. By the middle of April or the first of May the season for the violets is over and then they disappear until the following October, so that there is a freshness and keenness regarding the demand for them each recurring Autumn.

Having now pointed out some of the essentials and fundamentals connected with the business, it is desirable that we shall consider the important factors which have to do with the success or failure of the work when it is conducted on a commercial basis. It is, of course, important that there shall be some kind of a house in which to grow violets. In the earlier days the violet was produced almost exclusively under sashes and in cold frames. As the demand for the flowers increased, however, it was found impracticable, especially in our northern clim-



- (1) Bed construction, showing (a) ordinary wooden raised bench; (b) angle iron construction with terra cotta bottoms; (c) solid beds with 4-inch concrete walls, beds 18 inches deep. Note relative cost of each.
- (2) Solid beds with concrete walls. Beds 18 inches deep, containing 6 inches of soil. Beds of this kind cost less than wooden benches.
- (3) 12-foot violet house, showing raised wooden bench on one side, solid bed on the other with concrete sides. See text for relative cost.
- (4) Solid bed with concrete wall construction, showing method of running heating pipes through center of bed.

ates, to grow the crop in this way. Gradually there was evolved from the cold frame the common dug-out, a modification of the cold frame to the end of sinking a path in the center of the frame so as to give sufficient head room for the worker to handle his plants and gather the flowers without being exposed to the weather. It was considered necessary to keep the plants close to the glass, hence the evolution of the violet was slow. Gradually, however, the sash were raised and the houses were made higher on the sides. Coincident with this development came the change from the growing of the plants out of doors during the Summer to planting under glass and growing them there the season through. I think probably the spot disease had more to do with indoor growing than any other one thing.

The Houses.

There are, of course, all kinds of houses. It is astonishing in this day of greenhouse construction work that there should be establishments devoted to the growing of an important crop, such as some that are in evidence. The violet does not need a great amount of light during the hot months, and even in Winter where the sun is bright it is often essential to have some shade; hence the grower, if he is in the violet business alone, does not need to give so much heed to the question of light as with some other crops. One of the primary items of expense connected with violet culture is the picking of the flowers, hence it is necessary that due attention be given to convenience in getting to the plants, both for the purpose of picking and in order to have access at all times so as to take the necessary steps to prevent the inroads of disease and insects.

A violet house may be any length or any width. Our preference is for houses from 100 to 150 feet in length, 12 feet wide, 7 feet to the ridge and running north and south. This form of construction is comparatively inexpensive and enables the utilization of one walk in the center with beds on either side easily reached from the walk. It is not necessary here to go into a full description of the questions of heating, ventilating, water conveniences, and so on. The violet does not need a great deal of heat, and if the house is so piped as to maintain a temperature of from 40 to 50 degrees when the outside temperature is zero, it is all that is essential. Our preference is for hot water heat for the violet, for the reason that it frequently occurs that only a very little heat is necessary and this can be secured by a comparatively small fire in our boilers.

Cost of Bench Construction.

At this time it may be well to call attention to some recent work we have been carrying on with a view to obtaining information regarding the cost of bench construction. With the prices of lumber constantly increasing, it is becoming an important matter to find substitutes for this material. As a rule we do not advocate the growing of violets on benches. In some cases, however, it is necessary to do this. Even if solid beds are used, wood, or some substitute therefor must be used for the sides. The illustrations show some concrete construction work, also some bench construction of iron and terra cotta, also wooden bench construction. The object of this experimental work is, first, to determine the relative cost of the different kinds of constructive ma-

terial, and second, the difference in growth of crops when produced on solid beds as compared to raised benches. In this particular case the crop is carnations, but the same statements will apply to the violet, and in fact, work along this line has already been done with the violet. As already explained, it is settled in our mind that solid beds are more desirable for violet culture than raised benches. Whether this is true of carnations we are not yet ready to say.

Regarding the cost of construction of the different kinds of beds, we have definite figures at hand. In order to present these figures in an intelligent way the illustration has been prepared showing the cost per square foot of bed space for the three kinds of construction; namely, raised wooden benches, solid beds with walls of concrete, 18 inches high and 4 inches thick, and raised beds with iron frames and tile bottoms. The relative cost, it will be seen, is for the wooden benches 12 1-2 cents per square foot of bed space, 11 cents for the solid beds with concrete walls, and 17 cents per square foot for the iron frame benches with tile bottoms. The cost per plant for the carnation is 9 cents per plant for the wooden benches, 8 cents for the solid beds with concrete walls, and 12 cents for the iron frame benches with tile bottoms. The cost per plant for violets is six cents for the wooden benches, 5 1-2 cents for the solid beds with concrete walls and 8.6 cents for the raised beds with iron frames and tile bottoms. Thus it appears that, taking the first cost of construction, the solid beds with concrete walls are the cheapest. There is no question as to their durability. Wooden benches under ordinary construction will begin to rot out the second year and by the third or fourth year will have to be in large measure replaced.

Soil for Violet Growing.

Almost any good loam soil will be found suitable for the violet. We prefer rather sandy loam to one in which clay predominates. Soils running from 12 to 15 per cent. clay give about the right physical properties. A soil that will grow a good crop of potatoes—250 to 300 bushels per acre—will furnish the basis for a good violet crop, provided there is sufficient organic matter in it. We prefer in all cases to have some of this organic matter in the form of rotted turf, hence it is our practice to secure sod and allow this to rot down. To four parts of well-rotted sod soil we add one part of thoroughly decomposed stable manure. We have no preference in the matter of manure as to whether it is from cows or horses. If it has been well handled, not fire-fanged, thoroughly decayed, we have never been able to see any difference one way or the other. Horse manure, however, is perhaps preferable, as it is more easily handled. We do not add any chemical fertilizers, nor do we advocate them where good decayed manure is available. Florists are prone to err on the side of using too much of this sort of material. Our experimental work, extending over ten or fifteen years on various crops, leads us to believe that as a rule there is more harm done through the application of bone and similar fertilizer than there is real good secured. This may seem a somewhat broad statement, but it may be supported by experimental evidence. Another important consideration in the matter of soil is to have it thoroughly worked over before it goes into the beds, and if practicable to let the frost work through it. To accomplish this we prefer to secure our soil in the Fall, stack it 14 to 18 inches high and let it thoroughly freeze. This freezing destroys many grubs, nematodes, and other pests, which are apt to be destructive the following season unless care is exercised.

As one of the important factors connected with the foundations of successful violet growing, too much stress cannot be laid upon the necessity for a change of soil each year. I feel convinced that many of the failures in growing this crop may be traced directly to the non-recognition of this important matter. The soil looks so good in the Spring and it is such a job to take it out and put in fresh material that the grower is prone to procrastinate and either try it over again for another season or else only remove a portion of it. We have always advocated the use of not less than 6 inches of fresh soil each season, believing it far cheaper to expend a few dollars in the preparation of good soil than it is to cut down the crop of flowers, either through starvation or the cumulative effect of diseases and insects.

Plants for Stock.

The house and soil in readiness, it becomes important to secure first-class stock. Before taking up this question it may be well to briefly mention the

fact, already very well known to most of you, namely, that there are comparatively few varieties of the violet. The Marie Louise is the standard double; the Lady Hume Campbell is second, with strains of each of these which have been locally developed. These cover the category of the double sorts. Of the singles, there are quite a number, but it is not necessary to take up the variety question at this time, as space would forbid. In the securing of stock it is highly important that attention be given to the origin of the same. We do not advocate the use of divided crowns. Plants from stock of this kind are not as a rule as vigorous or as thrifty as cuttings rooted in sand. Sand rooted cuttings, therefore, we consider most desirable for propagation purposes. When one has the work already established and wishes to develop his own stock, cuttings should be made from the middle of February until the latter part of March. It is of fundamental importance to give careful attention to the selection of cuttings. We have shown that the average yield of the violet plant can be materially increased by proper selection. Four years' selection of the plants increased our average yield from about fifty flowers per plant to more than ninety. This selection work was done by marking in the Fall the most vigorous plants, and keeping a record of the blooms from each throughout the season. By the time the propagating season comes around it can be determined which of the plants marked are giv-

kept free from weeds and constantly cultivated. Growth begins at once and is rapid, especially if the plants are under glass and are kept fairly well shaded.

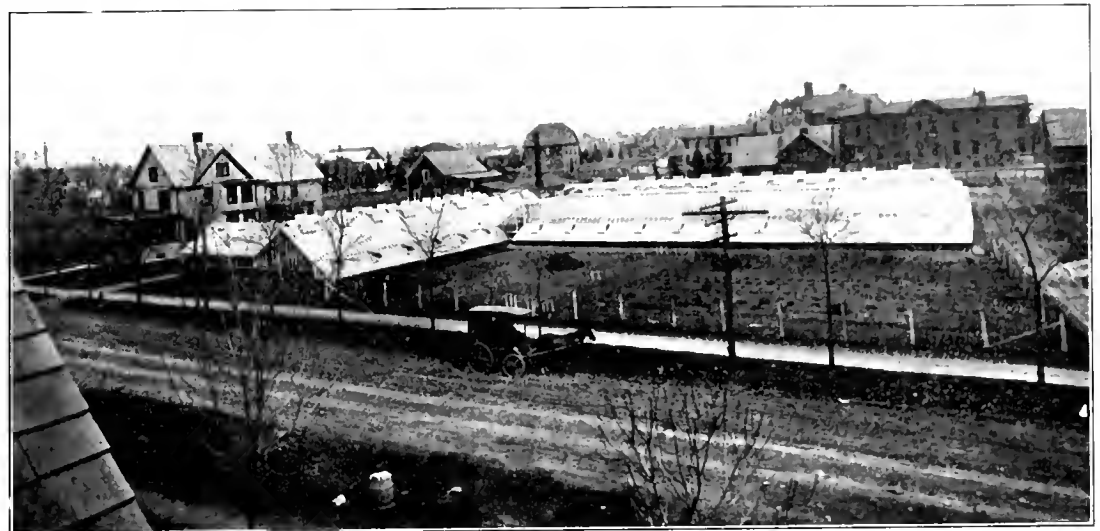
(To be Continued.)

Phormium Tenax.

The following report has been prepared by Consul Robert P. Pooley, of Jamestown, St. Helena, for the information of those who might be interested in the establishment of the phormium (New Zealand flax) industry in the United States.

For a successful start in the phormium industry the services of a New Zealand expert should be secured. Plants should be raised from suckers, planted 6 feet apart, 1,250 to the acre, clear of trees. Plants grown under trees look as good as others, but the fiber is weak. Plenty of sun is necessary. The plants must be fenced against cattle and goats, but sheep do not eat the leaves. Growing from seed is a tedious process, as the young seedlings, being very delicate, require constant care lest they be soon destroyed by grubs.

It is hardly possible to calculate the acreage under phormium in St. Helena. With the exception of about 300 acres planted with suckers in the last two years the plants in the island have existed for the last thirty years. There are probably sufficient mature leaves to supply the government mill, which



Greenhouse Plant of E. J. Byam, Rome, N. Y.

ing the most flowers and the best ones. Cuttings from these plants would propagate the valuable characteristics. By this selective process our increase in yield was brought about as already indicated. The illustration showing a portion of a house of pedigreed plants is interesting from the number of blooms in sight. From this small house of less than 800 plants there was picked at one time more than ten thousand flowers.

In a talk of this kind it is, of course, impracticable to give the many little details which are of the greatest importance in laying the foundation for the successful production of the crop. The manner of putting in the cuttings, the care to be exercised in keeping them from wilting, the prevention of insect attacks, especially red spider—all these things are of the highest importance in getting a foundation stock which will produce the flowers the coming season. It takes considerable time for the violet cutting to root, and for this reason it is more difficult to get good healthy stock than it is even with the rose and carnation. All these matters the grower will have to learn by experience. Our usual practice is to root the cuttings in benches, using bank sand if it is practicable to secure the same. There is a disease of the violet, which we will refer to later and which has its inception usually in the cutting bench, through the medium, I think, of improperly washed sand. Bank sand is usually free from the fungus carrying the disease, hence the recommendation for its use. After the cuttings are rooted they are transferred to small flats, each holding one hundred plants. The flats are about two and a half inches deep and are filled with prepared soil which is well sifted. The plants may stand in these flats until they are ready to be set in the beds, any time between May 20 and June 20. After the plants are put out it is then only necessary to see that they are carefully watered and looked after, the ground

consumes from 90 to 100 tons monthly, for three or four years, the object being to make this available supply last until the suckers put down last year are fit for reaping. Leaves, under favorable conditions, are ready for reaping four years from the planting of the suckers. In three and one-half years there will be sufficient phormium in St. Helena to supply three mills.

A 15-acre drying and bleaching grass field adjoining the mill is necessary. About 35,000 gallons of water, running through the mill, are used daily, as thorough washing, drying, and bleaching are essential to obtain good fiber. [Further details of the St. Helena government mill machinery equipment are contained in the report, which may be consulted at the Bureau of Manufactures.]

E. J. Byam, Rome, N. Y.

It was about seven years ago that E. J. Byam, Rome, N. Y., built his first house, 18x36 feet. The glass has been added to as the demand increased until now he has 25,000 square feet of glass. A general stock is grown for the retail trade, but a large part of the glass is devoted to roses, carnations and violets, with bulbous stock in season. He has two large tubular boilers of 150 horse power placed last year, a fine dwelling house, barn, horses and wagons, and is located in the finest part of the city. Mr. Byam is experiencing a steady increase of trade.

QUIZ.

ROSA POLYANTHA MAMAN LEVAYASSEUR. This new rose has scarcely been put into commerce ere its place in the list of fine varieties is assured. It resembles Mme. Norbert Levayasseur in most of its features, but is a better bloom. Its tint is tender pink, and the blooms appear in great abundance. For groups, edging to rose and other beds, as well as for growing in pots it is a very valuable variety. — Horticultural Trade Journal.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYBES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLOREAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unexcelled. Care give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 6297 Plaza.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

Wedding Decorations.

About the usual number of weddings have taken place in New York since Easter, and the principal florists have all had their share of them. The tremendous supply of flowers that has been arriving in this market makes it an easy matter to satisfy customers, at the same time allowing a handsome profit for the florist.

Grace Church has been the scene of many pretty weddings this season, and is possibly the finest church in the city for decorative effects. The following description will give an idea of its treatment for these occasions. The chancel being very lofty, large palms are necessary. Tall stumps, well made up with the large cabbage palm leaves, made a splendid background; in front of these were arranged fine specimen growing palms, placed in triangular formation so as not to interfere with the view of the bridal party. Large plants of margerites, hydrangeas and Azalea mollis were massed here and there, the margerites forming the background, followed with the hydrangeas in colors from white to deep pink, and finishing with the Azalea mollis of every shade and color. Cibotium Schiedel and white and pink spiraeas were arranged so as to immediately face the guests, the entire width of the chancel. This arrangement was kept very low so as not to obstruct the view. Bunches of lilies and white snapdragon were arranged at every other pew, up the center aisle. The pillars of the church were festooned with heavy laurel roping nearly a foot in thickness, giving a rich, massive effect.

The House Decoration.

The entire first floor was decorated for the reception of the invited guests. The stairway leading up from the main hall was covered lightly with wild smilax with large bunches of Mme. Abel Chatenay roses tied with ribbon at the newel post and clusters of the same rose arranged on the balustrade. A large mirror in the hall was done with asparagus and Mme. Abel Chatenay roses. The bride received under a large open fan. This being formed of a large wire frame covered lightly with strings of asparagus, Killarney roses being tied in a large cluster at the handle and allowed to radiate from this point to the outer edge, the general effect was that of a large hand-painted fan, invisibly supported from above, no pedestal being used. A large specimen palm stood on either side of the fan; in front of these were large bushes of Dorothy Perkins rose. There were several bare spaces on the walls; these were filled in with baskets of Killarney roses, the baskets being exact reproductions of the ones used by the peasants in France, which they carry on their backs. The baskets were suspended from the picture molding with pink ribbon, large bows of which mingled with the roses. Garlands of pink roses were hung in front of the mirrors, and on either side of the mantels plants of Dorothy Perkins rose in standard form were stood. The fireplaces were filled in with Queen Alexandra daisies. The doorways were festooned with wild smilax and long sprays of pink snapdragon. Specimen palms were placed in convenient places around the room.

The dining room, which is done in dark oak, was decorated with white flowers, the fireplace being filled in with pot-grown spiraeas. On the mantel were two handsome vases; these were filled with long branches of Wistaria sinensis alba, which were allowed to fall gracefully over the mantel.

The buffet table was decorated with white lilac and Adiantum Farleyense, with white sweet peas on the table arranged in tasteful design. The chandelier immediately above the table was entwined with white wistaria.

The Bridesmaids' Bouquets.

The bridesmaids carried bowl-like baskets filled with a pretty combination of Franz Deegen and Mme. Caroline Testout roses and lily of the valley tied with pale yellow silk ribbon. The bridal bouquet was a creation of white orchids and lily of the valley; broad silk ribbon was used to tie with. The shower effect was not used.

D. RAYBUN.

The Art of Selling.

Read by F. E. Palmer, Brookline, Mass., before Boston Gardeners and Florists' Club, Tuesday evening, May 19, 1908.

The important, in fact the fundamental, element in a successful sale is that it should be of advantage, or profit, to both parties. This simple proposition has, I fear, an unimportant place in the mind of the average salesman; it is nevertheless true and should be made the basis of every transaction between man and man. Any



One of Wolfskill's Flower Store Windows, Los Angeles, Cal.

exchange of services which necessarily involves loss to either party can not be called legitimate business.

A second basic principle in all commerce, and one that should be understood by both buyer and seller, is that demand precedes supply.

In the process of evolution from the simple barter of goods between our forefathers to the complexities of trade in modern civilization, the foregoing two axiomatic truths have become somewhat obscured. Derangements have also crept into the body politic which have aggravated the confusion, and reversed the natural order of things until the man who sells has come to be looked upon as the obsequious servant of him who buys. This attitude has become by custom so much a second nature that we take it for granted the seller is always under obligation to the buyer, and that labor shall forever bow the knee to capital. Volumes have been written, and more doubtless will be, on this important phase of economics before the subject is exhausted, and no more fruitful study could possibly invite the consideration of business men, especially salesmen.

A Friendly Relationship Necessary.

Consistently with the above principles the relationship between buyer and seller should be entirely of a friendly nature, and the appreciation of this fact constitutes the primary lesson in the art of selling.

In some simple kinds of trade little is required of the salesman but to hand over the article called for and take the amount determined upon as payment. In such cases

little special knowledge is required, and certainly no determination of values. When, however, it comes to the selling of flowers, plants, seeds, shrubs and trees, the supplying of decorative schemes—from the simple bunch destined to cheer a sick friend to the elaborate display for ballroom or dinner table—the simple potted plant or the varied collection for the garden, the mysterious seed package, or equally doubtful dormant tree and shrub, then the salesman comes in touch with one of the higher requirements of humanity and the satisfying of these aesthetic needs becomes indeed a fine art. In such cases how many elements can enter into a sale, possibly every one of which may have to be supplied by the intelligent salesman! Most likely the purchaser has a very vague picture in mind as to what he wants, also an equal uncertainty as to the amount to be expended. Imagine a customer in such a frame of mind, also somewhat fastidious of taste and exacting in requirements, and it will readily be seen that a very different problem is presented than in most other commercial transactions.

Some Essential Requirements.

Perhaps the first requirement of a salesman will be that delicate tact which makes his patron feel at ease, and will so gracefully convey information or correct an error—but not the slightest sting of confusion or mortification will be felt. This trait in a salesman, or in fact in any man, is one of the rarest assets.

Next to tact comes enthusiasm, that earnest spirit of service which quickly discovers the customer's needs, cheerfully gives information, evinces a willingness to show every flower in the place if necessary and is never tired out. This quality is as rare as tact and generally goes with it, perhaps being born in a man rather than acquired. Add to these the ability to arrange the flowers artistically so that a very common thing may become one of beauty, to deftly and rapidly pack and tie the box in order that the flowers may not suffer, and that time—which up to this point has been used to advantage—may not be wasted on mere details. It is easy to conceive, as the customer is courteously dismissed, the satisfying effect that all this intelligent effort has upon him. Not only has he been educated and pleased but the value of a simple dozen of roses has been enhanced in his eyes possibly one hundred-fold. In this way a value has been created and credit has redounded both to the house and to the salesman.

Stress has been laid on the philosophical side of the art of selling rather than on its material and technical aspect. This is because of the firm belief that the qualities mentioned, besides conducing to the elevation of the florist's and other kindred businesses, have an immediate and cash value, and that higher ideals will ultimately prevail in trade relations. Indeed the day of the "Deaconing" of the apple barrel, the sanding of sugar, watering of milk, "salting down" of flowers, and general misrepresenting of goods is happily passing away.

The Art in a Nutshell.

Perhaps the following epitome will serve to convey the writer's thoughts in a pointed and more easily remembered form.

It is not such a good practice to "soak" a customer as to satisfy him.

It is better to size him up as to his needs rather than as to his ability to pay a big price.

It is more to the advantage of both parties that good, fresh stock be sold than to entertain the delusion that a customer will come oftener if the goods perish quickly.

Common decency dictates that equal courtesy be extended to every patron regardless of the size of his pocketbook.

Success depends more on absolute reliability than on a glib tongue and a plausible story.

It is taken for granted that a salesman should be well informed on the technical and scientific details of his business, although this knowledge has been lamentably absent in the florist's trade.

Selling a certain line of goods at or below cost as a "leader" to attract the public is not legitimate business, the object being to mislead buyers into the belief that all other goods in the store are equally low priced.

Any other action having as its prime object the ruin of a competitor is pernicious.

The giving away of flowers is no part of selling and should be charged up to advertising.

Finally, to one desirous of perfecting himself in the art of selling, no better lesson can be learned than from a careful study of his own experiences as a buyer. It is safe to say that he will find himself attracted by the cordial, friendly greeting, especially if his name be remembered, the prompt offer of service, and the manifest truthfulness of all information given.

The third International Botanical Congress is to be held at Brussels, Belgium, from May 14 to May 22, 1910.

Our London Letter.

BY A. HUMBLEY.

THE NURSERIES. Although it is only recently that W. H. Page of the Langley Nurseries, Hampton, has become known as one of our best exhibitors of American carnations I find he has been growing them for a considerable time, and was previously a large grower of the English Winter-flowering varieties. After seeing his various exhibits I was anxious to see how they were grown, and on visiting the nurseries I found Mr. Page most willing to give all details of their treatment. And it was quite evident that all practical details were well understood. I found many large houses filled with plants in the most robust health. All were grown in pots. The best crops of bloom were on plants two and three years old, of which there were upward of 50,000 grown in 7 and 8-inch pots; or some might have been in rather larger sizes. I found that though Mr. Page imports all the newer varieties he is not yet willing to give up the old favorites and he ridicules the idea that Mrs. T. W. Lawson is worn out and can be dispensed with; two houses, over 100 by 30 feet, filled with plants of this variety, full of buds and flowers of the best color and quality, fully proved the fact that it cannot yet be dis-

SCHIZANTHUS WISELONENSIS. A very pretty compact growing pink variety of the above is now coming into the market. The plants are barely a foot high and are covered with flowers of a soft rosy pink. It appears to last well, and should become a popular plant. Those seen were grown by Mr. Sweet, who is so well known as one of the best cultivators of flowering plants, and was the first to put verberna Miss Willmott on the market. It is probable that the schizanthus will be grown as extensively as the verberna another season.

AZALEAS AT THE GHEENT QUINQUENNIAL EXPOSITION.

It was natural that at this show, held in the home of the azalea, a magnificent display of this popular plant would be presented. Our English contemporaries reproduce photographs of large banks and beds of azaleas, composed of plants of various sizes, all full of flowers. The Horticultural Trade Journal says: "The pyramidal form of training azaleas is becoming very popular. Not only were there several good groups of well-flowered plants, but in the nurseries that we visited they were strongly in evidence in various sizes. Undoubtedly this system of training will renew interest in azaleas, the sales of which have considerably declined in



Wagon Train of William J. Palmer & Son on a Trip from the Greenhouses at Lancaster, N. Y., to the Buffalo Store—A Distance of Ten Miles

carded. Comparing Aristocrat, though some of the blooms may be of better quality it is not such a good yielder and the habit is far from being as good as that of Lawson. The white sport was equally good, and Mr. Page has also had further sports of the types of Melody, Winsor, Prosperity, and Striped Lawson, or sports corresponding in colors to these varieties. Enchantress has also sported; on one plant noted there was a pure white bloom open, and another of the normal color. Mr. Page remarked that it was only from the three-year-old plants that he had found any sports worth notice. Taking the past few months My Maryland has been the most profitable white variety. Queen Louise is grown, and the center of one house was filled with large plants, some of which were from five to six feet high. A continual succession of blooms has been kept up since last October, and there was a promise of plenty more to follow. White Perfection is another which is grown. As a crimson President Roosevelt is favored, as it keeps up a better succession of bloom than Harlowarden, which, after one crop of flowers is cut there is a long interval before another follows. Enchantress is largely grown and in going through one house I noted some had three good blooms on each stem. I also noted that some of a deeper color were labeled for stock. In a house of Britannia my attention was called to a sport, the flowers of which were a pretty shade of pink; if perpetuated, this will make a useful variety. The above sorts are at present extensively grown, but Winsor, Afterglow and other varieties receive attention and large numbers are propagated.

ROSES.—These are another feature and about 20,000 are grown in large pots, Captain Hayward, Mrs. John Laing, Mrs. Sharman-Crawford, Liberty and Frau Karl Druschki being the varieties most favored.

our own country within recent years. We hope to see a revival, especially with the pyramidal trained plants, as they are more ornamental and useful for decorative purposes. Fan-shaped azaleas are quite a novelty; for certain positions they are decidedly useful. These were exhibited by several firms, some showing finely trained plants about two feet wide at the bottom, and the same in height, with flowers on each side. Others were somewhat one-sided with the flowers predominating on one side only. For windows and certain other positions the fan-shaped plants have many advantages over the usual circular untrained plants which are usually sold. Of course, the trained plants come in more expensive than the ordinary azaleas of commerce, but considering the advantages to be derived from them, nurserymen will do well to give them a trial.

The following awards were received by August Haerens of Somergem, Belgium, at the recent quinquennial exhibition in Ghent: First for the finest group of Azalea indica of all shapes and sizes, put up on 50 square meters, by acclamation of the jury. Over 300 plants were used in the group; first (golden medal) for group of 50 azaleas, fan shape, with felicitation of the jury; first (gilded medal) for 25 Azalea Vervepanna alba; first (gilded medal) for the finest specimen azalea; first (golden medal) for the 12 newest specimen azaleas; second (golden medal) for 100 new azaleas; second (silver medal) for 6 new azaleas.

As to the fan-shaped azaleas, it is strange that they find no more favor in America, while on the Continent everyone likes them at sight. Naturally, they cannot be cheap, as they require too much care and labor, and take up as much house room as do the pyramids. Mr. Haerens intends to go ahead with them and will grow from 300 to 500 every year.

August Bülker & Sons, New York, are American agents for Mr. Haerens.

GRAFTED ROSES

FINE STOCK. READY NOW

Killarney, Carnot, Kaiserin Augusta Victoria, Uncle John, from 2 1/4 in. pots, \$2.00 per dozen; \$15.00 per 100. from 3 in. pots, \$3.00 per dozen; \$18.00 per 100.
The Bride, Bridesmaid, Golden Gate, Richmond, from 2 1/4 in. pots, \$2.00 per dozen; \$12.00 per 100; from 3 in. pots, \$2.50 per dozen; \$15.00 per 100.

OWN ROOTS

Killarney, 2 1/4 in. pots, \$1.00 per dozen; \$6.00 per 100.
Richmond, Sunrise, Sunset, Kaiserin, Pres. Carnot, from 2 1/4 in. pots, \$5.00 per 100.
Bride, Bridesmaid, Golden Gate, from 2 1/4 in. pots, \$4.00 per 100.

CARNATIONS

From Pots: Fine Healthy Stock.
READY NOW:
Winsor \$7.00 1000
White Enchantress 7.00 60.00
Belen M. Gould and Beacon 7.00
Melody 5.00
Daheim and Estelle 4.00
Mrs. T. W. Lawson, Boston Market and Harlowarden 3.50 30.00
Kingston Pet, darker than Rose
Pink Enchantress, from pots 7.00
Enchantress, Lady Bonifant,
Red Lawson, Variegated Lawson, and White Lawson 4.00 35.00

CHRYSANTHEMUMS

A. J. Balfour, Autumn Glory, Ada Spaulding, Col. D. Appleton, Cremo, Cullingsfordii, Dr. Engnehard, Dorothy Stevens, Geo. Kallb, Glory Pacific, Harry May, H. W. Rieinan, Ivory, Jennie Nonin, J. E. Lager, J. H. Troy, Mrs. B. Robinson, Maud Dean, Meta, Mrs. Jerome Jones, Miss Minnie Wanamaker, Miss Alice Byron, Mrs. Baer, Miss M. M. Johnson, Major Bonaffon, Mad. Ferd. Bergmann, Nagoya, Polly Rose, Pink Ivory, Robt. Halliday, Soleil D'October, Timothy Eaton, Vivian-Morel, W. H. Lincoln, Mrs. Robt. McArthur, Wm. Duckham, Xeno, Yanoma, F. A. Cobbold. Price from 2 1/4 inch pots, \$3.00 per 100; \$25.00 per 1000. Rooted Cuttings, \$1.50 per 100.

CANNAS

Strong plants from 3 1/2 in. pots (30 fine named varieties), \$6.00 and \$8.00 per 100.

VERBENAS

Best Mammoths, from pots \$3.00

Send for catalogue

WOOD BROTHERS, Fishkill, N. Y.

250,000 PANSIES

SUPERB STRAIN. READY NOW.

Fall Transplanted Pansies, in bud and bloom. A trial order will convince you that these are the best you have ever handled. \$1.25 per 100; \$10.00 per 1000.

GERANIUMS Fine stock in bud and bloom, from 3 1/2 inch pots, \$6.00 per 100. Cash with order.

LEONARD COUSINS, Jr., CONCORD JUNCTION, MASS.

PLANTS FOR 2cts.

Swainsona alba, 2 in., 2c. Feverfew, Heliotrope, Cuphea, Coleus, White Ageratum, 2 in., 2c.
FEVERFEW, double white, nice young plants, 75c. per 100.
SINGLE HOLLYHOCKS, field, 2 1/2c.
Vinca var.; Alternanthera, red and yellow; Stock Princess Alice, 2 in., 2c.
Forget-me-nots, Double Daisies, \$2.50 per 100.
Wallflowers, Digitalis, field 1c.
VINCA var., large hench plants, 6c.
PANSY PLANTS, in bud, \$3.00 per 1000.
STEVIA, dwarf, 2 in., 2c.
DUSTY MILLER, 2 in., 2c.
FUCHSIAS, 8 kinds, 2 in., 1 1/2c.
SWEET ALYSSUM, Single dwarf, 2 in., 1 1/2c.

Rooted Cuttings

below prepaid per 100
Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c. Vinca Variegata, 90c.; Fuchsia, 6 kinds, \$1.25; Paris Daisy, yellow and white, \$1.00; Alexandra, \$1.25. Flowering Begonias, \$1.25; Coleus, 10 kinds, 60c.; Ageratum, indubitable, white, 60c.; Alternanthera, 3 kinds, 60c.; Salvia, Bonfire, 90c.; Feverfew, Gem, \$1.00; Parlor Ivy, 75c.
Cash or C. O. D.

BYER BROS., CHAMBERSBURG, PA.

ASPARAGUS

PLUMOSUS NANUS, 2 1/4 in. pots	100	4.00
" " " 3 in. pots	3	8.00
SPRENGERI, 3 in. pots	6.00	
" " " 4 in. pots	8.00	

MISCELLANEOUS PLANTS

Ready for Immediate Sales

	Size	Per
	pots	100
Alyssum	2 1/2	\$3.00
Acalypha Macfleckna	2 1/2	6.00
Achyranthes, Emersonii, etc.	2 1/2	3.00
Abutilon Savitzi	2 1/2	4.00
Ageratum		
Copes Pet		
White Cap	2 1/2	3.00
L. Bonnet	3	5.00
P. Pauline		
Stella Garney		
Alternanthera, red and yellow	2	3.00
Ampelopsis Veitchii, pot grown	3	8.00
Begonia, flowering varieties	3 1/2	10.00
Begonia, flowering varieties	2 1/2	4.00
Browallia speciosa major	2 1/2	6.00
Cuphea Platycentra	2 1/2	3.00
Coleus, all the leading varieties	2 1/2	3.00
" " "	3	4.00
Dracaena Indivisa, fine stock	5	25.00
" " "	4	20.00
English Ivy	3 1/2	8.00
Feverfew, double white	2 1/2	3.00
Fuchsia, double and single	2 1/2	3.00
Geraniums, double and single	3 1/2	7.00
Strong	3 1/2	8.00
" Special Color or variety	2 1/2	3.00
" Double and single	2 1/2	3.00
" Ivy Leaved	3 1/2	8.00
Gazania Splendens	2 1/2	4.00
" " "	3	6.00
Heliotrope, light and dark	3 1/2	6.00
varieties	2 1/2	3.00
" " "	2 1/2	3.00
Ivy, German	2 1/2	3.00
Lantana, 12 best varieties	3	5.00
Lobelia, New Double Blue	3	8.00
Moonflower	4	10.00
" " "	2 1/2	4.00
Petunias, double	2 1/2	6.00
Petunias, single	2 1/2	3.00
Salvia, splendens and Bedman	3 1/2	5.00
" " "	2 1/2	3.00
Stevia compacta	2 1/2	3.00
" variegata	2 1/2	3.00
Tropaeolum, double red and yellow	2 1/2	4.00
Vinca, variegata and elegantissima	3 1/2	10.00
" " "	2	5.00
" " "	2 1/2	4.00
Violets, Marie Louise	\$25.00 per	1,000

Chicago.

News Notes.

Peter Reinberg celebrates on Thursday the twenty-fifth anniversary of his wedding. The arrangements include high mass at St. Gregory's Church, which will be elaborately decorated for the occasion. Mrs. Marshall Field rose is to figure very largely among the flowers used. In the evening a reception at Mr. Reinberg's residence, 3445 North Robey street, is to be given for relatives and friends. Mrs. Reinberg, who was formerly Miss Mary Kronenberger, is well known on the north side for her philanthropy.

E. H. Hunt is meeting a good demand for the Wittbold post molds and clamps for cement benches; an outfit of these accessories is evidently considered a good investment.

New fancy ferns are making their appearance in the market. There are still some rather heavy supplies of the cold storage stock in the city, which will now be hard to move.

Pink double stocks of extra fine quality have been prominent on the counters of the A. L. Randall Company of late, and they have sold especially well.

At the annual meeting of the Municipal Art League held at the Art Institute on Tuesday, Jens Jensen, superintendent of west side parks, delivered an address on "The Use of Sculpture in Gardens."

Work has been commenced on a new store for Schiller the Florist, at 906 West Madison street, opposite the present business location. A greenhouse 150 feet long is to be built in connection with the store.

A new catalogue issued by the Foley Manufacturing Company has just been distributed among the trade. Illustrations of the establishments of many prominent florists throughout the country make the book particularly interesting.

Vaughan's Seed Store is offering a fine lot of bay trees to the trade. Three carloads of the trees arrived at the establishment last week.

J. W. Breakey is now occupying his handsome new store at 3909 Cottage Grove avenue.

J. A. Budlong is cutting some grand carnations just now, Aristocrat being particularly fine.

John Woodward has started a nursery and florist's business at Old Albuquerque, N. M., and is arranging to make a specialty of carnations.

J. H. PEPPER.

The illustrations of the Wittbold watering device, appearing in last week's number in connection with the article on Peter Reinberg's establishment, were inadvertently used in this connection; they belong to an article which will be published later.

Cincinnati.

Trade at a Standstill.

Business is not good and there is plenty of stock. The life and bottom seem to have dropped entirely out. Of course, next week we may sing another tune.

The weather man is dishing us up some pretty hot ones—84 degrees in the shade and this is not calculated to do stock much good.

There is nothing new or exciting to report, except that Julius Baer's delivery auto ran over a four-year-old girl on May 16, killing her; but it was purely an accident and no blame is attached to the driver.

E. G. G.

LOOK HERE

Bride and Maid, fine stock, own roots, 3 in., \$5.00 per 100.

Grafted, fine stock, Bride, Maid, Killarney, Richmond, 3 in., \$10.00 per 100.

POINSETTIA

Stock Plants for sale, \$10.00 and \$15.00 per 100.

JAMES E. BEACH

2019 PARK AVE., BRIDGEPORT, CONN.

St. Louis.

News Notes.

D. Augspurger of D. Augspurger & Sons, Peoria, Ill., was a visitor the past week selling plants to the trade. Martin Reukau, traveling salesman for H. Bayersdorfer & Company, Philadelphia, was also in the city looking after the interests of his firm. He reports a good trade all Spring.

A. Mirring of East St. Louis, Ill., had a busy time of it during the hailstorm Sunday, May 10, and reports his loss 500 feet of glass and lots of damaged plants.

George Ostertag, superintendent of parks, is at present acting park commissioner in the absence of Commissioner Scanlan, who is away on his honeymoon trip. The wedding took place last week Tuesday.

P. Schneider, manager for the Oakland Floral Company at Kirkwood, reports that he has resigned his position and will leave the place July 1. Mr. Schneider will get married, and, after a trip to Europe, will start in business for himself in the southern part of the city. If he has the success with carnations and sweet peas obtained the past season at Oakland, he will find a ready market for his stock, as he reported at the club meeting Thursday that his Enchantress all through the season brought him 5c.; Mrs. T. W. Lawson and Lady Bonifant, 3c.; his sweet peas, 7c. per square foot. From a space of 430 feet he cut 67,000 sweet pea blooms. This consignment was handled by C. A. Kuehn.

Walter Retzer, vice-president of the St. Louis Seed Company, stated at the club meeting that his firm distributed 16,000 packets of seed to as many children on their "free seed day," held recently. The firm has had an extra run of trade, owing to so many seeds being washed out by recent rains.

J. P. Ammann reports that he has bought out the retail establishment of Mrs. Dietchy at Alton, Ill., the price being \$6,000. He will run this store to sell his surplus stock from his Edwardsville place. Mrs. Dietchy will manage the store for him. Mr. Ammann's stock was much sought after and will be missed from this market.

Walter Weber of J. H. Weber and Sons is sending to this market a fine lot of roses of all varieties. The firm has been very busy this Spring handling nursery stock. Frank, who has charge of the business end, says he will take a good delegation from here to the convention of the American Association of Nurserymen, to be held in Milwaukee, June 10 to 12.

Emil Schray, executor of the estate of the late William Schray, has posted notice to those who have interest in the estate that he will make a final settlement in the Probate Court, St. Louis, on the first Monday in June.

Those who have the Memorial Day exercises in charge this year announce a new feature—the throwing of flowers upon the river on the trip to the barracks in honor of the sailors who have been buried at sea. This should create an extra demand for flowers.

The St. Louis Horticultural Society had a booth at the Charity Carnival at Forest Park Summer garden last Saturday. The net proceeds were turned over to the carnival. Donations came from all the local florists and good prices were realized. The booth did a large business.

Florists' Club Meeting.

The May meeting of the Florists' Club was, as expected, poorly attended, as the planting out season is on for good and the majority of the regular attendants were kept busy at home. Members from outside of the city who were present were A. S. Halsted, Belleville; Henry Johan, Collinsville, and J. P. Ammann, Edwardsville. President W. C. Young, Secretary Bentzen and Treasurer Weber were absent. Vice-President Augermuller opened the meeting with fifteen members present. J. J. Bencke acting as secretary. After the regular routine business was disposed of the pottery committee, which was given until the regular May meeting to complete the \$10,000 subscription, failed to report and was discharged with thanks for its efforts in trying to raise this large fund.

The trustees who have the annual picnic in charge reported through Chairman Schoenle that no arrangements had been made as yet. They were given full power to act and make all arrangements as to place, date and full program and to re-

PLANT CULTURE

PRICE \$1.00.

A. T. DE LA MARE PTG. & PUB. CO.
2 DUANE STREET, NEW YORK

Prices Advertised in these Columns are for

THE TRADE ONLY— When Writing Please Mention THE FLORISTS' EXCHANGE.

port at the June meeting. The White City amusement garden, near Belleville, was favorably spoken of as the place to hold the outing. On recommendation of A. S. Halsted the trustees will visit and inspect the place next week. The members had a general talk on Easter trade, and all seemed well pleased with the business done. The question box brought the meeting to an interesting close. The remainder of the evening was spent in a nearby cafe where lunch was served.

St. Patrick.

Pittsburg

Trade and News Notes.

Cut flowers were plentiful the past week. Roses were offered at from \$15 per 1000 up, and carnations at about the same price. Too much outdoor stock is a great deal to blame for these conditions. Some very fine white lilac is shipped from the East—the best ever handled in our markets—and brings a fair price. Iris and several sorts of narcissi are also good.

Plant trade is pretty active, although the weather is most unsuitable—entirely too much rain, which prevents any outdoor work. Prices will be lower this season; almost all 4-inch pot plants are offered at \$1 per dozen. Only a little more than a week before Memorial Day, and it will require some hustling to get rid of stock.

One of our department stores, which handled many thousands of h. p. roses, Holland grown, at \$1 per bundle of 10, is now offering them at 50c.—certainly a bargain, which hurts the legitimate trade. Decorative plants, such as palms, rubbers and large ferns, are selling fairly well and are used more than ever before for porch and veranda plants.

Visitors the past week were E. S. Faucourt of the Pennock-Meehan Company, Philadelphia, and S. S. Skidelsky, who spent several days in the city. The latter is much interested in the coming Fall show at Chicago and is working hard to get as many exhibitors as possible. I fear that very few from Pittsburg will make any display, but a few expect to be there.

George Blind of Blind Brothers is the happiest florist in town; his wife presented him a bouncing boy last week—their first child.

William Hamilton, who resigned the superintendency of the North Side parks a few weeks ago, was invited by a few of his florist friends to a dinner this week.

E. C. REINEMAN.

Philadelphia.

Around Town.

"Peace" Day was celebrated in all the schools on Monday, May 18, and all the children and their teachers wore a white carnation. Nearly 200,000 white carnations were required.

W. E. McKissick is making great preparations and laying in some very fine stock in expectation of a busy Memorial Day business. He is showing some new crop dagger ferns and finds an increasing demand for these.

S. S. Pennock left Tuesday for a short trip among the trade and expects to be gone several days.

J. Jensen, 3840 Lancaster avenue has a very attractive display of plants and reports a fair business.

Some very fine white flowered penonies were seen at Pennock-Meehan Company's this week; also fine pink and early red varieties.

Robert Crawford, 233 South Eleventh street, says business has been good with him since Easter. He has a neat store, and last week gave all his lady customers a pocket shopping list, which was greatly appreciated.

P. M. R.

Newport, R. I.

Trade News.

Mr. Meehan, in last week's notes, did well to call the attention of your readers to the usefulness of *Polygonum cuspidatum* for planting in damp places. With us we have found it excellent for planting in shady places; even under pine trees it seems to thrive and do well. It also stands the salt spray and heavy winds of the seashore; in fact it succeeds under such conditions better than any plant that we know of; and being a herbaceous perennial the tops do not have to stand the rigors of the winter.

BEFORE YOU BUILD GET FOLEY'S ESTIMATE

The Foley GREENHOUSE MATERIALS The Best

ALL HEART SUN-DRIED CYPRESS. UNEQUALLED.
CUT EXACT SIZE AND FIT. PERFECT WORK.

The Foley VENTILATING APPARATUS The Best

ALWAYS SECURING PERFECT VENTILATION
ADAPTABLE TO ANY SIZE HOUSE. GET CIRCULARS.

The Foley HOTBED SASH AND FRAMES The Best

SASH OPEN OR GLAZED. STANDARD SIZES IN STOCK.
GET OUR FIGURES AND SUGGESTIONS ON YOUR PROPOSED WORK
1908 ILLUSTRATED CATALOGUE SENT POSTPAID.

SASH, DOORS, MOULDINGS ALL KINDS MILLWORK INTERIOR FINISH

FOR ANY WOODWORK USED IN CONSTRUCTING RESIDENCES, FACTORIES,
SCHOOLS AND PUBLIC BUILDINGS. GET OUR FIGURES ON ANY JOB.

With our force of architects, draughtsmen, estimators and skilled workmen we can quickly and carefully fill and promptly ship any order. Excellent work at lowest prices.

THE FOLEY MFG. CO., CHICAGO
OFFICES, FACTORY, SHEDS AND YARDS: WESTERN AVE., BET. 25th & 26th STS.

Dracaena Indivisa

2 in., \$3.00 per 100; 3 in., \$5.00 per 100.
LATANIAS, fine strong plants, 2 in., \$3.00, 3 in., \$6.00; 4 in., \$15.00 per 100.
KENTIA Belmoreana and Forsteriana, 4 in., 25c., 35c.; 5 in., 50c., 75c.; 6 in., \$1.00, \$1.25, \$1.50; large plants, \$2.00, to \$35.00 each.
PHOENIX, \$2.50 to \$40.00 each.
PANDANUS UTILIS, 2 1/2 in., \$3.50 per 100.

FERNS

Boston and Piersoni, 4 in., 15c.; 5 in., 25c.; 6 in., 50c.; 7 in., 75c.; 8 in., \$1.00; 9 in., \$1.50.
Whitmani, 2 1/2 in., strong, \$5.00; 4 in., \$20.00 per 100; 5 in., 50c.; 6 in., 75c.; 7 in., \$1.25, \$1.50, \$2.00; 8 in., \$2.50, \$3.00, \$3.50.
Fine, small ferns for dishes, \$3.00 per 100; \$25.00 per 1000.

JOHN BADER Mount Troy, ALLEGHENY, PA.

ROBERT CRAIG & CO. ROSES, PALMS, CROTONS

CARNATIONS and Novelties in DECORATIVE PLANTS
Market and 49th Sts. PHILADELPHIA, PA.

It succeeds best when transplanted late in the Spring.

W. Scott Sisson, formerly with the George A. Weaver Company, has started in the nursery business at his farm in Portsmouth, R. I. He proposes to grow on principally evergreens of the more choice varieties, but intends to give his dahlia plants the same attention as heretofore.

At the Forrest Avenue Nursery Henry Wilson reports the best Spring trade in four years. He caters principally to a clientele that calls for heavy stock, extra well grown, and he spares no expense, either in labor or material, to produce just such stock.

The Mason-Keller wedding on June 3 is to be somewhat of a fashionable affair and will take place at the home of the bride on Hallidon Hill. The floral decorations are to be entirely of white lilac and orchids, the bouquets of the same materials. The decorations are to be arranged by Ziegler. A. McL.

PALMS (HOME-GROWN)

ARECA LUTESCENS

Each Per doz.	Each Per doz.
6 in. pots, 3 plants, 24 to 36 in. high \$1.00 \$12.00	6 in. pots, 6 to 7 leaves, 26 to 28 in. high 1.50 18.00
7 in. pots, 3 plants, 30 to 32 in. high 2.00 24.00	6 in. pots, 6 to 7 leaves, 30 to 36 in. high 2.00 24.00
8 in. pots, 3 plants, 36 to 40 in. high 3.00 36.00	7 in. pots, 6 to 7 leaves, 32 to 34 in. high 2.50 30.00
	9 in. tub, 6 to 7 leaves, 42 to 48 in. high 5.00 60.00

KENTIA BELMOREANA

6 in. pots, 6 to 7 leaves, 22 to 24 in. high 1.00 12.00
6 in. pots, 6 to 7 leaves, 24 to 26 in. high 1.25 15.00

KENTIA FORSTERIANA

9 in. tub, 4 plants, 4 ft. high 6.00
2 1/2 in. pots, 8 to 10 in. high .10
2 1/2 in. pots, 10 to 12 in. high .15

COCOS WEDDELIANA

JOSEPH HEACOCK CO., WYNCOTE, PA.



1657 Buckingham Place, CHICAGO, - - ILL.

WHOLESALE PRICE LIST

of PALMS, FERNS, BOXWOOD, BAY TREES, CHRYSANTHEMUMS, CATTLEYS, CRIMSON RAMBLERS and the new ROSES Apple Blossom, Flower of Fairfield, Maman Levasseur, on application.

ANTON SCHULTHEIS, 316 19th St., College Point, N. Y.

GROWERS OF CARNATIONS WHO HAVE MORE PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

NEW LONDON, CONN. At the recent meeting of the New London County Horticultural Society, Alexander McLellan, Newport, R. I., delivered an instructive address on the dahlia.

Kentia Forsteriana

Made Up Plants Fine, Clean All Stock

8 in. pots, 3-4 ft. high ..\$2.00 each
10 " " 4-5 " " .. 4.00 "
10 " " 5-6 " " .. 6.00 "
12 " " 5-7 " " .. 8.00 "

HEISS-FLORIST
112 S. Main St., Dayton, O.

Dracaena Indivisa

700 GOOD STRONG PLANTS, 2 to 4 feet high, from \$1.00 to \$25.00 per dozen.

HENRY RUDOLPH
Telephone, 6 Caldwell, N. J.
ESSEX FIELDS, - N. J.

Dracaena Indivisa

6 in., 7 in. and 8 in. pots, 2 1/2 feet to 4 feet high, good bushy plants, \$6.00 to \$9.00 per dozen; \$10.00 to \$60.00 per 100.

S. PENNDORF, 81 Oak St., New Rochelle, N. Y.

CLASSIFIED ADVERTISEMENTS

Cash with order. The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or Other Wants, also of Greenhouse, Land, Second-Hand Materials, etc. For Sale or Rent. Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents. Display advertisements, in these columns, 15 cents per line; count 12 lines agate to the inch. [If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.] Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday. Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—As foreman on first-class commercial place; neighborhood of New York. References unexcelled. Address, Eastern, care The Florists' Exchange.

SITUATION WANTED—As florist or gardener, commercial or private place; 5 years' experience, good references. Address, Oscar Johnson, P. O. Box 65, Cromwell, Conn.

SITUATION WANTED By German, 39, single, good grower of roses, carnations and general line of greenhouse stock; good designer. Address, R. P., care The Florists' Exchange.

SITUATION WANTED—By a general all-around grower, good manager; understands installation and care of boilers, steam and hot water, etc. Reasonable terms. Address, J. E., care The Florists' Exchange.

SITUATION WANTED—Single, working foreman, life experience, grower of roses, carnations, can take charge of 50,000 feet of glass. Address, Florist, 51 Seventh avenue, New York City.

SITUATION WANTED—Young man would like a situation as assistant or general greenhouse man on commercial place. Francis Joseph Toney, 142 Greenwich street, Brooklyn, N. Y.

SITUATION WANTED—By young, energetic, married man as fern and foliage plant grower. Thoroughly proficient, high-class references. Address, D. Z., care The Florists' Exchange.

SITUATION WANTED—On private place by thoroughly experienced, Hollanded, married, no family. Have A No. 1 references. Address, stating salary, F. Th. C., 28 West 27th street, New York City.

SITUATION WANTED—By single man, private or commercial place. Experienced in carnations, chrysanthemums and general stock. Address, D. Y., care The Florists' Exchange.

SITUATION WANTED—Foreman, Swiss, 39, married, expert grower of roses, carnations, chrysanthemums, pot plants, landscape and funeral work. State wages and particulars. Address, John G. Pfeiff, 145 Snyder avenue, Brooklyn, N. Y.

SITUATION WANTED—Young man, 20 years of age, wishes to get a position in a flower store, intends to learn the trade quick and willing. Two years' experience in general greenhouse work, best of references. Address, C. H., care The Florists' Exchange.

SITUATION WANTED—By orchid grower, trade or private, competent to take full charge, good manager, energetic, thorough, practical knowledge of the department, hybridizing, etc. 15 years' experience in British Isles; last five years in responsible charge of large private collection; excellent references. J. Coupland, Coldstream Greenhouses, Vernon, B. C.

SITUATION WANTED—Advertiser the past three years designing and constructing a large estate would like to associate with good nursery. Thorough knowledge of trees, shrubs, herbaceous plants and every department under glass. Plans, surveying, road making, draining, etc. Highest references. Address, Compit, care The Florists' Exchange.

SITUATION WANTED—By good grower as foreman of first-class place, long experience on good wholesale and retail places with roses, carnations, chrysanthemums, ferns and general pot and nursery stock for first-class trade. Good worker, solid and ambitious. References. State wages and full particulars. Address, Rose Grower, 15 Beattie street, Boston, Mass.

Thirty cents is the minimum charge for advertisements on this page.

Prices Advertised in these Columns are for THE TRADE ONLY—

HELP WANTED

WANTED—Florist and maker-up, good salesman, for permanent position. Address with references and stating wages wanted, F. L. Ziegler, Newport, R. I.

WANTED—Good man to take charge of ornamental ground; must be a good budder and grafter. Schroeder-Nursery Company, Lafayette, Cal.

WANTED—First-class budders. State experience and give references. Good wages. Address, Fancher Creek Nurseries, Fresno, Cal.

WANTED—Competent propagator and plant grower, intelligent, educated and a worker. Address, Farden, 313 Massachusetts avenue, N. E., Washington, D. C.

WANTED—Chrysanthemum grower, must have thorough experience. State salary and references in first letter. The J. M. Gasser Company, Euclid avenue, Cleveland, O.

WANTED—Reliable man for market and bedding stock, a good place for the right man, no drinker. Address, C. Stelmacher, Florist, Warren Point, N. J.

WANTED—A reliable and well-experienced grower of pot plants, must be able to take charge. Married man, German preferred. State wages. Address, D. W., care The Florists' Exchange.

WANTED—Good, experienced man for vegetable garden on private place near New York, Scandinavian preferred. Wages, \$4.00 per month. Address, O. W., care The Florists' Exchange.

WANTED—Man competent to grow vegetables and care for lawn and flowers on small private place. Year-round job of eight, \$70.00 per month. Thinker not wanted. J. D. Knickman, Portchester, N. Y.

WANTED—A young man as farm manager, who has had experience in seed growing and the growing of bulbs, hardy perennials, etc. A good opportunity for a man who is willing to start in a reasonable way with a view to future development and advancement. Give full particulars, naming references and previous experience. Address, P. O. Box 350, Richmond, Va.

WANTED

Two good bright men capable of earning \$1,000 per year each, that are well versed in the seed business. One that has had a great deal of experience in garden seeds and some in field. Another that has had considerable experience in grass and field seeds, and can take charge of shipping department and act as general foreman about warehouse. When answering state your age, number of years' experience and with whom. Address SEEDS, care of THE FLORIST'S EXCHANGE 4543 Cottage Grove Ave., CHICAGO

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—A responsible position in the seed business by man competent to take charge of department, or would consider an interest in a growing business. Correspondence confidential. Address, E. A. E., care The Florists' Exchange.

WANTED

20 Pair Pyramid Box, 3 ft. 3/4 in. end 4 ft. 100 Viuca Alba. 100 Viuca Rosea. 100 Nicotiana. 100 Salpiglossis.

J. W. ADAMS & CO., Springfield, Mass.

MISCELLANEOUS

GREAT CHANCE for florist to go in business with small amount of money. Write F. H. Baker, Stafford Springs, Conn.

WANTED—Partner, hustler, with \$2500.00 to buy half interest in long established plant in Eastern Pennsylvania; retail trade. Address, A. H. J., care The Florists' Exchange.

W. J. Joseph J. Sorman, florist, native of Netherlands communicate with this office, or any one who knows of his whereabouts. He will best some thing important to his advantage. The Florists' Exchange, Edison street, New York.

FOR SALE—Twenty shares of stock in the Company, publishers of the Florists' Exchange, Price \$15.00 per share in lots of five or more shares. Apply to R. Irving Outwater, 15 Exchange Place, Jersey City, N. J.

STOCK FOR SALE

25,000 ALTERNANTHERAS, at \$25.00 per 1000. No shipping. Cash with order. John Lappe, Juniper avenue, Maspeth, L. I.

MME SALLEROT GERANIUMS, 200 extra strong, full struck, 2 1/2 in. pots, \$2.50 per 100. John Curran, Bayway, Pa.

DOUBLE LOBELIA, Kathleen Mallard, 2 1/2 in. 4 strong cuttings from 8 in. 20; All full of buds and bloom. J. L. Stone, Trumansburg, N. Y.

BARGAINS in pot-grown plants, in variety, ready for market at once. Send for prices; I will pay you. Alonzo J. Bryan, Washington, N. J.

PANSY PLANTS—Full of life. Transplanted, \$1.00 per 100; \$8.50 per 1000; seedlings, 50c per 100; \$3.50 per 1000. H. W. Buckbee, Rockford, Ill.

SALVIA ZURICH, in bud and bloom, 3 in., \$1.00 per 100; 2 in., \$2.50 per 100; rooted cuttings, \$1.25 per 100. The Krueger Brothers Company, Toledo, O.

SWEET POTATO PLANTS, now ready Big stems, Yellow Nansamond or Yellow Jersey, \$1.50 per 1000, by mail, 30c. per 100. H. Austin, Felton, Del.

ASTER PLANTS—Scapple's, mixed colors, 20c. per 100, 100 for \$1.00, by mail; nice, strong stock. George A. Kolyen, Orchard Place Greenhouses, Doughkeepsie, N. Y.

30,000 GERANIUMS—15 varieties, fine stock, very branched, full of bud and bloom; any variety or mixed colors, double or single, \$6.50 per 100. Alonzo J. Bryan, Washington, N. J.

CAMPBELL VIOLETS, rooted divisions, strong, healthy stock, \$5 per 1000. Aster plants, leading varieties, 50c per 100; \$4.00 per 1000. Paul Thomson, West Hartford, Conn.

20,000 Finest DAHLIANS, all named varieties, 5c each or \$5.00 per 100; Brunhilde, Krimhilde, Floradorn and Gen. Bulber. Cash with order. Chas. Nagle, 507 Melrose avenue, New York City.

CARNATIONS, field-grown, 15,000 Enchantress and Wisor, ready for delivery July 1. Orders filled in strict rotation. Order now and be first. Prices on application. We guarantee satisfaction; we lead in superb field-grown stock. Wa-No-Ka Greenhouses, Barneveld, N. Y.

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VIUCA, 2 1/2 in., \$2.50 per 100; \$22.50 per 1000. Asparagus Sprengeri, 3/2 in., 6c; 4 in., 8c, strong. Double Nasturtiums, 2 1/2 in., 3c. R. C. 13c. Chrysanthemums, White Estelle, Polly Rose, Tauset, Willowbrook, Ivory, Byron, Robinson, J. Jones, Noun, Pink Lavette, Ivory, Buckham, Lager, Engelman, Yellow Monrovia, Heald, Lady, Bonalton Appleton, 2 1/2 in., \$2.25 per 100. R. C. \$1.25 per 100. Stafford Floral Company, Stafford Springs, Conn.

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FOR SALE—Old established florist place, doing a very profitable business, good reason for selling. Mrs. M. Mahan, 348 Grove street, Jersey City, N. J.

FOR SALE—Florist store; good paying business, fine location for landscape gardener. Good reason for selling. Inquire 1480 Flatbush avenue, Brooklyn, N. Y.

FOR SALE—At Madison, N. J., three green-houses, stocked with roses, dwelling house, seven rooms and bath, five minutes from station; three minutes from freight station; city water. Inquire, Mrs. M. B. Maguire, 21 Ken street, Madison, N. J.

FOR SALE—70 H. P. Tubular Boiler for sale before removal, 90 lbs. steam, 144feigh, 2817 American street, Philadelphia, Pa.

FOR SALE—A large consignment of 16x2 double thick American glass, A and B quality. For further information write Parsbely Brothers, 50 Montrose Avenue, Brooklyn, N. Y.

FOR SALE—Tobacco Dust and Tobacco Stems. Dust, 100 lbs. \$2.50, in case lots; about 350 lbs., 2c. per lb. Stems, \$2.00 per bale, about 400 lbs. Cash with order. S. R. Levy, Blag hamton, N. Y.

FOR SALE—20 H. P. Horizontal Tubular Boiler, an 8 ft. steel window, fit any wood tower; also wind pump, and a ft. wooder water wheel and pump. Address, Harry J. McFarland, Route No. 8, Marshallton, Pa.

FOR SALE—Florist's Refrigerator, size 10 feet wide, 4 feet 6 inches deep; 8 feet 6 inches high; white enamel, beveled French plate glass mirror in back of supply compartment; perfect condition. BARGAIN! Address, E., care The Florists' Exchange.

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FOR SALE—Self-contained fire box return-tubular boiler, with 36-foot smoke stack and hood. This boiler has been used two winters and heated 8,500 square feet of glass to 50 degrees. Will test to 75 or 100 lbs. working pressure, if wanted. Can be either used for hot water or steam. Enlarging plant, cause of selling. Price \$225.00, f. o. b. Kramer Brothers, Farmingdale, L. I., N. Y.

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ONE upright round steam boiler name "Superb," capacity 650 sq. ft. steam, price \$50.00, delivered f. o. b. New York. A fine boiler for a small greenhouse, say 3000 ft. of glass. A good opportunity for a house heating boiler. Guaranteed in first-class condition. A bargain.

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Daisies, for window boxes, \$12.00 per 100. Rooted cuttings of **Chrysanthemums**, Nounin, Murdock and Englehard, \$9.00 per 1000.

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GERMINATION—Germination is the first act of vitality in plants. Its immediate causes are the presence of moisture, atmospheric air, and a certain elevation of temperature of about 32 degrees, varying, of course, with species. Heat excites the vitality of the embryo, and enables it to take advantage of the agents with which it is in contact. In order that this process may take place, it is necessary that the plant be excluded from direct light. The supply of this, and the other necessities mentioned, must be properly regulated, and in doing so the nature of the soil must be attended to. One of the most important points enabling seed to grow into strong and vigorous plants is draining. Undrained soil is always cold and deficient in the supply of air, preventing a constant renewal of food to the roots. Well-drained soils carry away superabundant moisture, allow a constant supply of fresh fluid and nourishment to penetrate to the roots and consequently contribute to their health and vigor. Putting broken pieces of earthenware into the bottom of the pots to be used, is an example of drainage.

It is the same in the ease of sowing seeds. The ground must be properly prepared for their germination, else the sowing will be unproductive. The ground must be made properly level. Very often seeds are sown too deep, the consequence being that the seeds never grow.

Important internal changes take place in seeds during germination. Starch is converted into dextrine (sugar) by oxidation, and diastase becomes soluble in consequence of the considerable amount of heat which is evolved. During these changes the seed is swollen, the embryo enlarges, ruptures the integument, protrudes, and the growth of a new plant commences.

The seeds of annuals should never be sown until the ground temperature reaches from 45 to 50 degrees. In many plants the cotyledons are gradually raised above the surface of the ground by the growth of the caulicle, after which they become green and act as leaves; but it also sometimes happens that the cotyledons never escape from the seed-coat, but remain buried within it. In that case, the base of the cotyledons is obliged to lengthen as well as, or exclusive of, the caulicle. In dicotyledons (pea, bean, etc.), the bases of the cotyledons extend beyond the seed and skin, then separate and allow the plumule (which lies between them) to rise perpendicularly. In monocotyledons (chry, palm, etc.), on the contrary, the lengthened base of the cotyledons contains concealed within it both radicle and plumule, which eventually burst through the sides. D. M.

THE WEEK'S WORK

Timme's Timely Teachings.

Greenhouse Cut Flower Crops.

The instances when growers find it to be to their interest to prolong the term of productiveness of one or the other variety of Winter-flowering stock to the extent of having the end of one season overlap the beginning of the other, are rare exceptions to what is wisely practiced at properly conducted establishments. If any variety of carnation, rose, sweet pea, snapdragon or mignonette, grown expressly with the object in view and the hope at heart of its yielding a rich harvest in cut blooms from late in the Fall until early Spring, failed to do so, and only now with a belated promise blooms up its reputation of being a profitable thing to grow, the best of pickings yet to be looked for will not suffice to prove it. And again, a variety or kind of cut flower stock that fully came up to expectations the previous Winter is naturally far enough gone by the time Spring work begins to be with-in easy hail of the dump; and there it should go, save such deserving to be carried over for another season, as ferns, smilax, asparagus, callas, some few sorts of roses, etc. In their case, whether to remain where they are, or to be reset in fresh soil, a rest of more or less extended duration or the gradual ripening off of roots or wood is an absolute necessity, but proving of little avail if begun too late or when stock is made to do overtime away into the hot season after a long Winter's incessant activity. Most other kinds, requiring a yearly renewal by young stock, should have been thrown out before this, few of them yielding paying crops of bloom up until the close of May or for Memorial Day demands. Run down remnants of cut flower stock, littering up a bench or part of a bench here and there in places where all kinds of plants in pots, pans and trays are grown for a retail trade and every inch of bench room is of twofold value, are a sight especially distasteful to anyone having faith in orderliness as needful in what-ever pursuit.

The Renewal of Indoor Stock.

Among other reasons which speak for a timely clearing out of cut flower stock and benches is the advisability, or indeed the necessity, of early replanting for the ensuing season. To this end preparations should now be well under way. Many a bench, after being emptied of the old soil, will be found to stand in great need of being thoroughly overhauled and repaired or to be replaced by a new one. All this takes considerable time and before the new soil is all in and the restocking far from being completed, the grower often comes to the conclusion that he isn't the early bird at all that he supposed himself to be when he began. The benching of chrysanthemums as soon as benches are to be had in readiness for the purpose means success with many of the varieties as now grown for the general wholesale market as well as for the exhibition table. The argument against all indoor culture of carnations would possess little force, could growers come soon enough to the rescue of their young stock by planting it into the benches. The same exposure to untold hardships, resulting in the hardening of fibers and stunting of growth, goes on to impair the value of young plants of whatever kind kept for any great length of time in flat trays or small pots awaiting their turn to be planted out in beds or benches. The making of new plantations should therefore not be delayed after this date any longer than can possibly be helped if the young stock is at hand and in proper condition.

The Soil.

There is no question as to the wisdom of making a distinction between the soil good for one species of plants and that bringing best results in the culture of another. Holding this view the less experienced in practical plantmanship are very apt to place too great stress on this particular point, for the time forget-

ting that there are other details of far greater importance which, if rightly attended to, make for best results in the cultivation of indoor crops, as, for instance, perfect health of the young stock to be planted, the proper way of planting it, good aftercare, ventilation, moisture and temperature. Excepting ferns, eucharis, some kinds of hardy bulbs, gardenias, Primulas Forbesii and obconica and a very few varieties of roses and carnations, which all at least do better, if they do not absolutely require a specially prepared kind of soil, differing more or less in character from what the most successful of growers consider good soil for nearly all and everything they plant, no distinction is made in preparing compost for cut flower stock. But that this preparation should take place some time before the soil is used and that it must be done in a thorough-going manner, no good grower denies. Sod, cut to the thickness of not over three inches, piled up and allowed to stand for five or six months, would need no other preparation to be good soil, if used alone. Barn-yard manure, added to it when cut and piled up, in the proportion of one load of fresh manure to two loads of sod, will, after five months of gradually progressing decomposition, change the proportion to one-fourth of partially decayed manure to three-fourths of sod, now at a point of decay, still showing its fibrous texture unimpaired. This compost, to be right for immediate use after five months standing, requires to be turned several times during that period, each time to be piled up again into flat heaps, more and more exposing every particle of the mass to severe freezing during the Winter, but a good shoveling over during March or April, with a few shovelfuls of sharp sand intermixed, suffices to render it good soil for nearly all bench crops, since it is again well worked over by being brought in, in May or June. It is in most cases a better and certainly safer plan to rely upon the application of additional fertilizing matter in the form of mulches or liquid stimulants later on, when they are actually required, than to have the soil over-enriched into which the small plants are to be set out. Nor will newly planted stock require the quantities of water that well-established and fast growing plants do, especially when a crop of bloom is in sight. Good drainage in bench culture does much toward carrying off future trouble caused by excessive moisture.

Dahlias.

Throughout the latter part of last season anyone fortunate enough to have a good field of dahlias to cut from, saw them sold readily at the market and heard the cry for more. Good blooms of whatever type, including single-flowered and pompous, are likely to fare as well this year as last, so say wholesale cut flower men. In plant sales, also, all sorts of dahlias figured prominently last Spring, and the call for them this year so far shows no shrinkage in demand. Rooted cuttings, potted up into 2½ or 3-inch pots are the best stock for retailing and also the best for planting at the grower's own place, if wanted to produce flowers for cutting. Ordinarily well-tilled garden ground not necessarily the very best position will bring better results, more flowers and these of a clearer color and firmer stem, than very rich, deeply worked up soil. Perfect form and pure color, preferably the delicate pink shades, more than the question of type or class, is what sells them. It is time to begin planting out, for to keep the earliest propagated, fast growing young plants in good shape much longer is almost impossible, and the risk of seeing them damaged by late frosts from now on is not greater than any run by delaying the planting while the young stock is in the best of condition. Dahlias want lots of room; three feet in the rows and four feet between rows is none too much. FRED. W. TIMME.

SMILAX, from 2 1-4 in., \$2.00 per 100; \$18.00 per 1000.

SMILAX seedlings, 50c. per 100; \$3.50 per 1000.

ASPARAGUS Sprengeri, 4 in., \$6.00 per 100. CHRYSANTHEMUMS, nice stock, from 2 1-4 in. Polly Rose, Glory of the Pacific, Ivory, Appleton, Bonnafon, \$2.50 per 100; \$22.00 per 1000.

GERANIUMS, S. A. Nutt, Grant, 8 in., \$3.50 per 100.

C. A. Peterson, 196 MAIN STREET MADISON, N. J.

GRAFTED ROSES

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MRS. JARDINE, RHEA REID, QUEEN BEATRICE.

The above, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.

MY MARYLAND, 50c. each, \$5.00 per doz., \$35.00 per 100.

On own roots, 2½ in. pots, \$25.00 per 100, \$2.00 per 10; 3 in. pots, \$5.00 per doz.

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GRAFTED, 2½ inch pots, 20c. each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1000.

OWN ROOT ROSES

From 2½ inch pots, repotted from 2-inch Killarney, Bride, Bridesmaid, Ivory, Richmond, Mme. Abel Chatenay, \$1.00 per doz., \$5.00 per 100, \$50.00 per 1000.

From 2 inch pots ready for shipment, \$3.50 per 100, \$30.00 per 1000.

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AGERATUM, Stella Gurney, Princess Pauline, HELIOTROPE.

Rooted cuttings 75c. per 100, \$6.00 per 1000.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS From flats, \$10.00 per 1000.

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Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 60c. per 100; \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

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GERANIUMS, HELIOTROPE, AGERATUMS, FUCHSIAS, SALVIA SPLENDENS and YELLOW DAISIES in 4 in. pots, \$6.00 per 100.

DOUBLE WHITE PETUNIAS, \$8.00 per 100.

FLOWERING VINCAS, 4 in. pots, \$10.00 per 100.

PERIWINKLE, very fine, 4 and 4½ in. pots, \$1.00 per dozen.

HARDY IVY, 4 in. pots, \$10.00 per 100.

CANNAS, all varieties, 4½ in. pots, \$8.00 per 100.

Thousands of HYDRANGEAS for planting outside, \$12.00 per 100.

HONEYBUCKLE, 6 in. pots, \$15.00 per 100.

DAISIES, Marguerite, white and yellow, 3 in. pots, \$3.00 per 100.

COLEUS, 15 fancy colors, AGERATUM, ALTERNANTHERAS, SILVER LEAF GERANIUMS, CIGAR PLANTS, GROUND IVY, SWEET ALYSSUM, PETUNIAS, PHLOX, VERBENAS, ARTILLERY PLANTS, LOBELIA, FEVERFEW, BACHELOR BUTTONS and FUCHSIAS, all in 3 in. pots, \$2.50 per 100. DOUBLE WHITE PETUNIAS, 3 in. pots, \$4.00 per 100. CASH WITH ORDER PLEASE.

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Golden Bedder, Hero, Mosey, Pearl of Orange 75c. per 100, \$6.00 per 1000. Less than 25 of a variety will be charged at the 100 rate. Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c. per 100 \$6.00 per 1000. 250 in assortment, our selection, at the 1000 rate.

CHRYSANTHEMUMS

READY FOR SHIPMENT

Virginia Pohlmann, Angèle Laurent, Golde Dome, Mile. Jeanne Rosette, Money Maker From 2½ in. pots \$2.00 per doz.; \$10.00 per 100.

Mrs. Clay Frick, Zimmers Yellow, Mary Man From 2½ in. pots \$1.00 per doz.; \$8.00 per 100.

Rooted Cuttings, \$5.00 per 100.

CHOICE POMPONS, Klondyke, Quinola, CHOICE SINGLE VARIETIES, Kitty Bourn, Mrs. Roberts, Amorita.

From 2½ in. pots, \$1.00 per doz.

STANDARD VARIETIES

WHITE—Early: George S. Kalb, Polly Rose Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Nivona.

ALICE BYRON, Eureka, Miss Milnie Wamsnaker, Adella. Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.

PINK—Early: Glory of the Pacific, Rosier Mid-Season: J. K. Shaw Adela, William H. Pohlmann, Dr. Enguehard, Morton F. Plant.

Late: Mand Bean, The Harriott, Mayo Weaver, Mrs. James Marshall.

YELLOW—Early: Moorovia. Mid-Season: G. Fischer, Col. D. Appleton. Late: Mejo Bonnafon, H. W. Reiman, Yellow Eaton.

RED—(Cullingford), Merstham Red, Matchless.

Bronze Yellow—Mrs. William Dockham (Old Gold).

POMPONS—Baby (Yellow), Lola (White) Briolan (Pink).

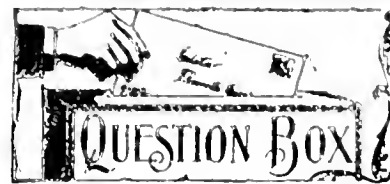
From 2½ inch pots: 5c. each, 50c. per dozen \$3.00 per 100, \$28.00 per 1000.

Rooted Cuttings: \$2.00 per 100, \$15.00 per 1000.

SMITH'S NOVELTIES FOR 1901

Golden Glow, Pacific Supreme, White Cloud

2 1-4 inch pots, \$5.00 per dozen. Ready for shipment.



(97) Snapdragon for Winter Flowers. Would you please inform me when to sow snapdragon in order to have flowers in Winter. Are they to be grown out in the field or inside? When will they start to bloom? N. N.
New York.

Sow the seed of snapdragon any time now; as soon as the seedlings are large enough, plant outdoors in well prepared soil. Encourage growth as much as possible all through the Summer. Lift the plants in September and plant them in the greenhouse, keeping them growing without any check, and they will flower the following Winter, commencing probably in late November or early December.

(98) Growing Ilex crenata from Seed. Can Ilex crenata be raised from seed, and if so, which is the best way to do it? Also, how long would it take to have salable plants from seed, provided, of course, this mode of culture can be followed? E. R.
New York.

—This holly should be treated as other hollies are: Save the seed in Autumn, mix it with soil in a box and bury the box level with the top of the ground outdoors. Let it remain there until the following Autumn, then take the seed out of the box and sow it either outdoors or in a greenhouse. The plants should appear in the Spring.

It takes an "age" almost to get salable plants from seeds of the common holly, but as Ilex crenata appears to grow faster, it might not be such a long time to wait. Try cuttings under glass in August or September. J. M.

VIOLETS

Governor Herrick

New single violet, fine deep color, heavy foliage, will produce 135 to 160 blooms per plant; hardy stock, 10-inch stems, keeping qualities unsurpassed; good seller. Price, \$25.00 per 1000 in clumps.

Cash with order.

LOUIS D. McCOY
SPRING VALLEY, ROCKLAND CO., N.Y.

CAMPBELL VIOLETS

25,000 Sand Rooted Cuttings, as fine as silk, \$1.00 per 100 by mail, prepaid; \$7.00 per 1000 by express, not prepaid. Satisfaction guaranteed.

Strong, field-grown plants of Campbell and California ready in August.

CHAS. BLACK, HIGHTSTOWN, N. J.

PANSIES

Giant flowering, none better, \$2.50 per 1000. **DAISIES, Bellis**, in bloom, \$1.25 per 100; \$10.00 per 100. Plants that will bloom soon, \$2.50 per 1000.

Stocks, Verbena, Salvia, Dnaty Miller, Alyssum, single and double, fine plants, out of 2 1/2 in. pots, \$2.00 per 100; \$15.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

PANSIES

THE JENNINGS STRAIN

Plants in bud and bloom, \$1.00 per 100; small plants, \$1.00 per 1000 by express.

Cash with order.

E. B. JENNINGS, SOUTHPORT, CONN.
Lock Box 254
Grower of the Finest Pansies

A RECORD TO BE PROUD OF

The Florists' Hall Association has paid 1,040 losses amounting to \$102,000.00 For particulars address

JOHN C. ESLER Saddle River N. J.



MEMORIAL DAY



New Crop Dagger and Fancy Ferns - - \$2.00 per 1000

Bouquet Green - \$7.00 per 100 lbs.

Boxwood - - \$18.00 per 100 lbs.

Leucothoe Sprays - \$1.00 per 100

Branch Laurel - 50c. per bunch

Brilliant Galax, Bronze \$1.00 per 1000; \$8.50 per 10,000

Brilliant Galax, Green \$1.00 per 1000; \$7.50 per 10,000

Laurel Festooning, good and full - - 5c. and 6c. per yd.

Laurel Wreaths - \$3.00 per doz.

Headquarters for all Florists' Supplies, such as **Wire Designs, Cut Wire, Letters** of all kinds, **Immortelles, Cycas Leaves, Sheaves of Wheat, Ribbons, Boxes**—Folding Blue and Corrugated, etc.

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L. D. Telephones **15 Province Street BOSTON, MASS.**
Main 2617-2618 **9 Chapman Place**

Roses
Carnations
Lilies, Callas, Stocks
Asparagus Plumosus, Sprengerii

In any quantity.
We can fill your order, large or small
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We never disappoint Satisfaction guaranteed. Write, telegraph or 'phone

Orchids
Special Valley
Sweet Peas, Spiraeas
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CYCLAMEN

Splendens Gigantum Hybrids. Finest strain in the world, perfect flowers of Giant type in five true colors, plants from 2 1/2 in. pots, \$5.00 per 100, \$45.00 per 1000.

CANNAS

Alphonse Bouvier, Florence Vaughan, Chas. Henderson, Chicago, Papa, Egandale, J. D. Caboa, Queen Charlotte, from 3 in pots, \$1.50 per 100, \$9.00 per 1000.

GERANIUMS

S. A. Nutt, John Doyle, Castellano, Beate Poitevine, E. G. Hill, Mme. Landrey, Mme. Jaulin, La Favorite, etc., first-class grown stock in bud and bloom, from 4 in. pots, \$6.00 per 100.

SATISFACTION GUARANTEED

PAUL MADER, East Stroudsburg, Pa.

ACHYRANTHES, red, blue, bushy plants, from 2 in. pots, 2c.; 3 in. pots, 3c.

ALTERNANTHERAS, red and yellow, from 2 in. pots, 2c.; from flats, bushy, \$12.00 per 1000.

IVY GERANIUMS, from 4 in. pots, \$6.00 per 100. Cash, please.

FLORAL HILL GARDENS
(G. F. Nelpp, Prop.) CHATHAM, N. J.

Cement Bench Construction

Post Molds and Clamps for the Construction of Cement Benches on the Wittbold System, the most economical, best, and simplest system ever devised.

Make Your Own Benches and Save Time and Trouble

We furnish full and complete instructions for making Cement Benches at a cost not exceeding that of Cypress Benches. Wooden benches last hardly four years. Cement benches will outlast an ordinary greenhouse—which will you install?

ADVANTAGES OF CEMENT BENCHES { EASILY AND QUICKLY CONSTRUCTED.
ONCE BUILT WILL LAST A LIFETIME.
NO REPAIR BILLS.
CLEANLINESS.

Write for particulars and full construction details—they are yours for the asking

E. H. HUNT, 76 Wabash Ave., CHICAGO

500,000 PANSIES BEST MARKET STRAIN GROWN

Grown from seed of our own raising, this strain is the result of over 25 years' careful selection and for size, form and substance and wide range of color in clear, brilliant self and novel shades and markings, they will be found unsurpassed. The colors are very evenly assorted and the growth is very strong and stocky.

Fall transplanted plants ready to bud and bloom. Price \$10.00 per 1000. Larger Sizes \$15.00 and \$20 per 1000.

EXPRESS ONLY CASH WITH ORDER
I. E. GOBURN, - 291 Ferry Street, - EVERETT, MASS.

REVIEW OF THE MARKET

NEW YORK.—The cut flower business shows no improvement over last week; in fact, it is worse, if anything, and there is a very heavy supply of nearly all kinds of stock coming in. The heaviest consignments of lilac seem to be over, and the supply reaching the market daily now is mostly of local-grown stock. While it is more perfect in quality than has been the rule, it is a very difficult problem to get rid of it at satisfactory prices. The green goods dealers are handling a lot of dogwood in large sprays just now, and this is finding great favor as window-dressing material for the retailers. Take the lilac and dogwood together, and it can easily be imagined what a hard matter it is to sell the greenhouse-grown flowers at anything near reasonable prices. Narcissus and tulips from the East are coming in in quantity, but sell very slowly. Orchids are quite plentiful just now, and 25c. each will buy a good grade of Cattleya Mossiae. Lilies and callas are still quite numerous, and prices continue very low; probably never before were so many callas grown for this market as has been the case this year, and it is unfortunate that values on them have been so easy for the last three or four weeks.

Carnations continue very plentiful, and many good flowers are selling at 50c. and 60c. per 100. Roses are hard to move, and while \$4 or \$5 per 100 is the asking price for high-grade stock, little is disposed of at these figures; when clearances are made at all they have to be at speculators' prices, which bring averages down very materially. Sweet peas and snapdragon are plentiful, and prices are lower if anything than they were a week ago. Peonies from the South are coming in regularly, but so far do not seem to take very well. Gardenias are extremely plentiful just now; many of the indoor-grown blooms seem to have been injured in the center from the heat last week, and it has been a difficult matter at times to pick out a few dozen really first-class blooms. In addition to the local-grown crop, quite a few are arriving from the Southwest.

CHICAGO.—The market this week is dull and uninteresting. There is plenty of everything and buying is exceedingly light, making prices anything but firm. Arrivals of peonies are quite light and flowers as a rule show the ravages of late frosts. The problem of the peony supply for Memorial Day is an acute one; if instead of the continuous rainy weather of the month so far the next few days are fine and warm, there will probably be a sufficiency to meet requirements; but if dull weather prevails it is extremely probable that the supply will run very short. Roses are plentiful and cheap, all grades having a downward trend in the price lists. Carnations are much too plentiful, and really fine stock can be obtained at the minimum quotations. Sweet peas continue a good commodity, although outside grown stock is figuring somewhat largely. Lilies are not sought for very much; and lily of the valley is spasmodic in its movement. Violets are no more, with the exception of a few coming from local growers, and these are on their last legs. Lilac is coming in in huge quantities, and its price is hard to establish. It sells at anywhere from 2c. to 15c. a bunch according to quality, but as most transactions are of the bargain clean-up kind this range of prices cannot be taken in a guiding sense. Bulbous stock is passing, and such as is coming in is not disposed of very easily. Cape jasmine is still a glut, and some of the wholesalers have asked their shippers to discontinue sending. Orchids continue scarce and arrivals are insufficient for the demand. Gladioli is arriving freely, and the better sorts appear to move well, the prices for top stock reaching a dollar a dozen. J. H. P.

PHILADELPHIA.—Business has slackened up somewhat after the rather brisk spurt of last week. Prices are more settled at present than for some time. The stock seen at the commission houses is of excellent quality. Roses are bringing fair prices. Carnations are in demand. Sweet peas are everywhere and bring about 25c. to 75c. Cornflower is now coming in. Peonies are bringing from 4c. to 8c. and some very nice stock is shown.

Great preparations are making for Memorial Day trade which, it is expected, will extend in extent that of former years. Already some good orders have been received. P. M. R.

INDIANAPOLIS.—Flower beds, porch boxes, hanging baskets, vases and the many kindred designs from circles to fancy scroll work and U. S. flags now occupy the center of the floral arena. The disinterested or perhaps more dignified retailers are content with receiving batches of funeral work, or speculating on a more remunerative June business, as counter trade and decorating are conspicuous by their absence. A hot spell early last week forced thousands of cut flowers upon the market, for which there was little sale. Many varieties have bloomed too vigorously and are of poor quality. Carnations, particularly, are either very small or suffer from being overfed and heated; 50c. to \$2 per 100 is the price for them. Richmond roses surpass all others in quality at present; \$4 to \$8 per 100 makes them profitable for the store man. Kaiserin Augusta Victoria and La France are also good at \$6 to \$7 per 100. French and Spanish lris, Spiraea Van Houttei, snowballs and peonies are most acceptable for beautifying the flower shops, but are not profitable otherwise. The commission houses are handling thousands of Cape jasmines at \$1 to \$1.25 per 100. Callas, Harrisii and candidum lilies are always in the market at \$10 to \$12.50 per 100.

Tomlinson Hall Market reports a brisk business in the bedding line. Prices are about the same as have obtained in former years. I. B.

BOSTON.—The market this week has shown quite an improvement and business is gradually getting over the stagnant condition that has been prevalent. Next week marks the day that has the largest flower trade of any in the year in this city. This year the prospects are good, and there is no doubt the sales will be larger than on any previous similar occasion. Of the roses now coming in Killarney and Richmond remain leaders. American Beauty are of good quality. Other roses are very plentiful and sell at very low prices. Carnations continue to come in in fine shape although some of the varieties begin to show the effects of the warmer weather. Lilies yet are plentiful; so is lily of the valley. Sweet peas remain rather scarce. Pansies are abundant but are used quite extensively. Gladioli are of fine quality. Marguerites are seen in large numbers, but are fine flowers at this season. Lilacs are now in full swing and are in demand. There is a good call for hardy cut ferns and other evergreens. J. W. D.

NEW BEDFORD, MASS.—The cut flower trade has been very good the past week or so. There has been a brisk demand for carnations; 35c. per dozen retail is the general price. Good roses retail at \$1.50 per dozen. Sweet peas bring \$1 per hundred blooms. Tulips out of doors are in full bloom now, and present a gay aspect. Carnation plants are now being set out in the field by the growers. S. S. Peckham will plant somewhere around 35,000; he houses about 15,000 of these and the remainder he grows for the trade.

Garden work is in full swing now. A good call is noted for tomato plants. Ten-week stocks for Memorial Day will be in fine condition; and from present indications there will be plenty of lilac and other outdoor flowers.

HORTICO.

ST. LOUIS.—There is very little to say regarding the market and the retail trade. The wholesalers seem much discouraged, as business and prices are at a low ebb, and Memorial Day is close at hand. With it comes the closing of the schools, from which quite a lot of business is looked for. Monday morning, May 18, all of our wholesale houses were loaded up with stock. We shall refrain from quoting prices, as consignors would be disappointed at any we would mention.

The plantmen are complaining that there is too much rain, which interferes greatly with their work.

ST. PATRICK.

CINCINNATI, O.—Christopher Wingate, better known as Kit Wingate, a florist, favorably remembered by patrons of the Cincinnati flower markets of some years ago, and also by the old-time rifle marksmen of this vicinity, died suddenly on May 9, in Orange County, Fla., of paralysis, in the 74th year of his age.

THE ELM CITY NURSERY COMPANY, NEW HAVEN, CONN.

THE NEW FORCING HYDRANGEA



Hydrangea Arborescens Grandiflora Alba

THE ELM CITY NURSERY CO.
NEW HAVEN, CONNECTICUT

SELLS at sight. This new plant is to be very popular for forcing especially for Easter. It forces with the greatest ease. Immense heads of purest white. The plants we offer can either be grown on in pots or set out in the field through the summer. Delivery June 15th from 3 inch pots well established.

\$8.00 per 100.

\$75.00 per 1,000.

FIRMS WHO ARE BUILDING.

Items for insertion under this heading are respectfully solicited from our subscribers. They are published free of charge.

MASPEETH, N. Y.—Louis Stessel will build a greenhouse, 18 x 75 feet.

WHITINSVILLE, MASS.—The Pine Grove Conservatories will add another greenhouse, 128 x 29 feet, to its plant.

COFFEYVILLE, KAN.—The Forest Park Floral Company will increase their greenhouse plant to accommodate the requirements of their growing business.

CHANGES IN BUSINESS.

The Florists' Exchange will be pleased to publish under this heading all changes occurring in the addresses of firms connected with the trade as well as notices of concerns or individuals just starting in business. All such items are inserted free of charge.

SAN FRANCISCO, CAL.—The Sievers Floral Company has opened a new store at 1255 Sutter street.

GREEN BAY, WIS.—Charles DeClerc has opened a downtown store at 107 North Adams street.

WEST GROVE, PA.—Daniel H. Green is now sole proprietor of the plant formerly operated under the style of Green & Baylis. There are 12,000 feet of glass and two acres of valuable land. Mr. Baylis, with his sons, has purchased and is now running the establishment of Benjamin Conell here.

KEOKUK, IA.—Articles of incorporation have been filed by the Gate City Seed Company, with \$30,000 capital stock in shares of \$100 each. The officers are A. M. Davidson, president; W. D. Burt, vice-president, and H. E. McCoy, secretary and treasurer; these officers also being the directors. The object of the corporation is to be the buying, selling, raising, etc., of seeds and the company's place of business is to be Keokuk.

ELIZABETH, N. J.—John Walsh, aged seventy-five years, a gardener of this city, died in the Elizabeth General Hospital on May 18, 1908, where he had been for some weeks.

BOWLING.

NEW YORK.—Following are the scores rolled at Thum's bowling alleys May 15:

J. A. Manda	167	172	—
Marshall	124	179	165
Berry	117	97	132
Shreiner	152	137	122
Donaldson	150	135	166
O'Mara	108	107	126
Kessler	112	156	127
Matthews	150	92	130
Shaw	143	115	112
Traendly	108	96	—
Totty	119	—	—

The first two games count on the Traendly prize and also the Marshall prize.

BUFFALO, N. Y.—Undernoted are the scores rolled by the members of the Buffalo Florists' Club this week:

Neubeck	148	157	176
Stephan	178	174	165
Striet	137	134	121
Brucker	119	108	—
Sandiford	178	156	182
Eiss	98	—	—
Boettger	135	187	204
Grever	117	106	176
Sangster	124	112	—
Swell	81	98	—
Mansfield	156	174	175
Lyall	80	90	133
Spiedel	151	145	108

Lockport, N. Y.

Cold and rain have been the weather conditions for the past two weeks. Business has been very slow except for funeral work.

F. G. Lewis has all of his carnations planted out.

Mrs. Oliver has planted out about an acre of asters, which is rather early for this locality.

Geraniums are looking well, but are a little small for this season, as they have been standing still during the late dark weather.

Tomato plants seem to be damping off in large numbers; E. B. Lewis, who grows about 1,500,000, has lost a great many. Asters in flats, both in the frames and in the houses, are also damping off. It makes no difference whether they are kept dry or wet, they go just the same.

LOCKPORT.

S. S. Pennock-Meehan Co.

The Wholesale Florists of Philadelphia
 PLANTS for MEMORIAL DAY. See list in last week's Florists' Exchange.

PEONIES, FINEST NAMED KINDS, \$6.00 to \$8.00 per Hundred. **FANCY,** such as **FESTIVA**
MAXIMA, \$15.00 per Hundred.

We will have full supply of all kinds of **ROSES, CARNATIONS** and other flowers.

WRITE US FOR OUR PRICE LIST.

STORE OPEN
 7:30 A. M. to 8 P. M.



1608 to 1620 Ludlow Street

PAEONIES FOR DEcoration DAY

The Leo Niessen Co.

WHOLESALE FLORISTS

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Headquarters in
 WESTERN NEW YORK

For Roses,
 Carnations

And all kinds of
 Seasonable Flowers.



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 Give us a trial. We can please you.

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 Bell and Keystone Phones

H. G. BERNING

Wholesale Florist
 1402 Pine St., St. Louis, Mo.

CARNATIONS A SPECIALTY

GEO. B. HART, Wholesale Florist, 24 Stone St., ROCHESTER, N. Y.
 Mfr. Hart's Handy Handle.

PHILADELPHIA

CUT FLOWER CO.
 WHOLESALE FLORISTS
 1517 SANSON STREET
 High Grade Cut Flowers
 Store opens at 7.30 A. M. Closes at 8 P. M.

The book of WATER GARDENING

By Peter Bleeset. Price, postpaid, \$2.50
 A. T. DELAMARE PTG. & PUB. CO., LTD.

New York.

Horticultural Society Show.

A very pretty exhibition of orchids, flowering shrubs, etc., was assembled for the annual show of the Horticultural Society of New York, held in the Museum Building of the New York Botanical Garden on May 13 and 14. The newly organized addition to the Horticultural Society (the orchid section) was extremely beneficial in helping toward the exhibition, as several prominent growers brought rare flowers and plants for competitive purposes, and the orchid growers themselves will, no doubt, be the recipients of great benefits by being connected with the Horticultural Society in the matter of proper classification and naming of varieties, as well as bringing their products to the notice of the public at large more prominently through affiliation with that body.

In the class calling for collection of specimens of flowering trees and shrubs, E. R. Pierson Company, Tarrytown, N. Y., carried off the first prize, the second going to W. McCollum, Islip, N. Y. In the winning exhibit were specimens of *Azalea amona*, *Cercis canadensis*, *Tamarix indica*, prunus in variety, *corchorus*, two varieties, *viburnum* in variety, *forsythias*, *andromeda floribunda*, *Rhodotypos kerrioides*, *Elaeagnus longipes*, and the red-flowering dogwood, *Cornus florida rubra*.

F. Weinberg, Woodside, L. I., obtained first prize for collection of succulents, among which were some spineless cacti of his own raising, *Gertrude Padrock*, also of Woodside, L. I., was second in this class. For collection of cut blooms from greenhouse or stove plants, H. A. Siebrecht & Son, New Rochelle, N. Y., were the only exhibitors and were awarded first prize. In their collection were flowers of *Allamanda nobilis*, *Ixora javanica*, *Clerodendron Balfouri*, *anthurium* in variety, *imantophyllums*, *Medinilla major*, *Acaulyma Sanderae*, and a yellow chrysanthemum labeled Spring Beauty.

A. M. Kirby, Jersey City, N. J., won first prize for collection of cut blooms of hardy bulbous plants with tulips and narcissus. For a vase of cut roses containing twenty-five flowers, H. A. Siebrecht & Son were the winners, with blooms of *Mme. Abel Chatenay*. There were no other exhibitors in this class. The Julius Roehrs Company were awarded a certificate for their rose, Newport Fairy.

For collection of orchids, open to amateurs only, the prize was awarded to Clements Moore, Hackensack, N. J., who, by the way, is a commercial grower and would not seem to be eligible for competition in an amateur class. For group of orchid plants in flower containing not fewer than ten species, Julius Roehrs Company, Rutherford, N. J., was first; Lager & Hurrell, Summit, N. J., second; a special being awarded

Wholesale Prices of Cut Flowers—Per 100

Boston May 19, 1908	Buffalo May 18, 1908	Detroit May 17, 1908	Cincinnati May 18, 1908	Baltimore May 18, 1908	Milwaukee May 18, 1908	Philadelphia May 19, 1908	Pittsburg May 18, 1908	St. Louis May 18, 1908
15.00 to 25.00	15.00 to 25.00	20.00 to 25.00	to 30.00	to 30.00	to 25.00	15.00 to 20.00	20.00 to 25.00	20.00 to 25.00
8.00 to 15.00	10.00 to 15.00	18.00 to 20.00	to 30.00	to 30.00	12.00 to 15.00	12.50 to 15.00	12.50 to 15.00	12.50 to 15.00
2.00 to 8.00	6.00 to 10.00	15.00 to 18.00	to 10.00	to 10.00	6.00 to 8.00	8.00 to 10.00	6.00 to 8.00	6.00 to 10.00
1.00 to 2.00	2.00 to 6.00	3.00 to 6.00	to 6.00	to 6.00	2.00 to 4.00	2.00 to 6.00	2.00 to 4.00	3.00 to 5.00
4.00 to 6.00	6.00 to 7.00	to 7.00	to 4.00	8.00 to 10.00	to 6.00	6.00 to 10.00	6.00 to 8.00	to 6.00
2.00 to 4.00	to 8.00	6.00 to 8.00	to 3.00	7.00 to 8.00	to 4.00	4.00 to 6.00	4.00 to 5.00	5.00 to 6.00
1.00 to 2.00	4.00 to 6.00	4.00 to 6.00	to 2.00	6.00 to 7.00	to 3.00	2.00 to 3.00	to 2.00	1.00 to 2.00
to 3.00	to 4.00	2.00 to 4.00	to 1.00	4.00 to 5.00	to 4.00	6.00 to 8.00	to 5.00	5.00 to 6.00
2.00 to 6.00	3.00 to 5.00	3.00 to 8.00	to 2.00	5.00 to 10.00	to 3.00	3.00 to 5.00	to 3.00	3.00 to 4.00
to 3.00	3.00 to 7.00	3.00 to 8.00	to 4.00	6.00 to 10.00	to 2.00	2.00 to 3.00	to 2.00	1.00 to 2.00
to 3.00	to 7.00	to 8.00	to 4.00	to 6.00	to 4.00	to 2.00	to 6.00	to 6.00
to 50.00	60.00 to 75.00	50.00 to 75.00	to 1.00	to 1.00	to 50.00	60.00 to 75.00	to 75.00	to 75.00
to 1.00	to 1.50	to 1.50	to .50	to 1.00	to 1.00	to 1.50	to 1.50	to 1.50
1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	1.00 to 1.50	2.00 to 2.50	1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	1.00 to 1.50
1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	1.00 to 1.50	2.00 to 2.50	1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	1.00 to 1.50
1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	1.00 to 1.50	2.00 to 2.50	1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	1.00 to 1.50
1.00 to 2.00	1.50 to 2.00	to 2.00	to 2.00	2.00 to 2.50	to 2.00	2.00 to 2.50	to 2.00	to 2.00
2.50 to 3.00	2.00 to 2.50	1.50 to 2.00	to 2.00	3.00 to 4.00	to 2.00	3.00 to 4.00	to 2.00	to 3.00
2.50 to 3.00	2.00 to 2.50	1.50 to 2.00	to 2.00	3.00 to 4.00	to 2.00	3.00 to 4.00	to 2.00	to 3.00
2.50 to 3.00	2.00 to 2.50	to 2.50	to 2.00	3.00 to 4.00	to 2.00	3.00 to 4.00	to 2.00	to 3.00
to 75.00	to 1.00	to 1.50	to 1.00	to 1.00	to 1.00	to 1.50	to 1.00	to 1.00
to 50.00	to 35.00	to 50.00	to 35.00	to 50.00	to 30.00	to 50.00	to 50.00	to 50.00
to 51.00	to 30.00	to 30.00	to 25.00	to 35.00	to 30.00	to 35.00	to 30.00	to 25.00
4.00 to 6.00	8.00 to 10.00	12.50 to 15.00	to 10.00	8.00 to 12.50	to 10.00	6.00 to 10.00	to 6.00	to 10.00
to 75.00	to 1.00	to 2.00	to 4.00	to 4.00	to 4.00	to 1.00	to 2.00	to 2.00
6.00 to 8.00	to 12.00	to 15.00	to 15.00	to 12.50	to 8.00	to 12.50	to 8.00	to 8.00
4.50 to 6.00	10.00 to 12.00	12.50 to 15.00	to 15.00	10.00 to 12.50	to 8.00	to 12.50	to 8.00	to 8.00
1.00 to 3.00	2.00 to 4.00	3.00 to 4.00	to 4.00	3.00 to 4.00	to 2.00	2.00 to 4.00	to 2.00	to 3.00
1.00 to 2.00	1.00 to 3.00	2.00 to 4.00	to 4.00	to 4.00	to 3.00	1.00 to 3.00	to 2.00	to 4.00
to 15.00	to 15.00	to 15.00	to 15.00	to 20.00	to 15.00	to 20.00	to 15.00	to 15.00
to .50	to 1.00	to 1.00	to .50	to .75	to .50	to .75	to .50	to .75
to	to	to	to	to	to	to	to	to

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 Killarneys
 Richmonds
 Brides, Maids
 American Beauties
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Can furnish at short notice.

Price according to quality of goods.

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 Wholesale Florist

Choice *Roses* and *Valley*
 and all reasonable stock
 Sent by Price List. Both Phones.
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SPRINGFIELD, O.—The Florists' Club has addressed a communication to the municipal authorities requesting the passage of an ordinance regulating the planting of trees, and the appointment of a tree commissioner. Such action in our opinion will serve to correct many faults in the present haphazard practices in the tree planting, and result in practical benefits to our citizens as well as to aid materially in the ultimate beautification of our city.

The letter was, on motion of John M. Good, referred to the finance committee. It is expected that the council will take action soon and lend its hearty co-operation to this project.

ALTOONA, PA.—Myers Brothers have installed a new refrigerator in their store.

ESTABLISHED 1894

Commission Handlers of CUT FLOWERS
 DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS
 Inside Chicago Market Quotations
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 Long Distance Phone, Central-6004
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 Headquarters for American Beauty Rose

VAUGHAN & SPERRY
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 Valley, Carnations and Roses
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 A Specialty
WHOLESALE GROWER of CUT FLOWERS

Wholesale Prices of Cut Flowers, Chicago, May 20th, 1908
 Prices quoted are by the hundred unless otherwise noted

ROSES		CARNATIONS	
American Beauty		STANDARD VARIETIES	
36-inch stems.....per doz.	1.50 to 3.00	White.....	.50 to 1.50
30-inch stems..... "	1.00 to 2.00	Pink.....	.50 to 1.50
24-inch stems..... "	.75 to 1.00	Red.....	.50 to 1.50
20-inch stems..... "	.....to .75	Yellow & var....	.50 to 1.50
18-inch stems..... "	.....to .50	*FANCY	
12-inch stems..... "	.....to .35	* The highest grades of Standard varieties.	
8-inch stems and shorts "	.....to .25	White.....	1.50 to 2.00
Bride Maid, fancy special...	4.00 to 6.00	Pink.....	1.50 to 2.00
" extra.....	.....to 4.00	Red.....	1.50 to 2.00
" No. 1.....	2.00 to 3.00	Yellow & var....	1.50 to 2.00
" No. 2.....	.50 to 1.50	NOVELTIES	
Golden Gate.....	2.00 to 6.00	LILAC, per bunch.....	.....to
Uncle John.....	2.00 to 6.00	LILIES, Harrisl.....	3.00 to 8.00
Liberty.....	2.00 to 6.00	CALLAB.....per doz....	.50 to 1.00
Richmond.....	2.00 to 6.00	SMILAX.....	10.00 to 12.00
Killarney.....	2.00 to 6.00	LILY OF THE VALLEY.....	1.00 to 3.00
" extra.....	8.00 to 10.00	HARDY FERNS per 1000.....	.....to 2.00
Perle.....	2.00 to 6.00	GALAX (green).....	.....to 1.00
Chatenay.....	2.00 to 6.00	" (bronze).....	.....to 1.00
K. A. Victoria.....	2.00 to 6.00	MIGNONETTE.....	.....to
Mrs. Marshall Field.....	2.00 to 8.00	VIOLETS, double New York.....	.....to
ADIANTUM.....	.75 to 1.00	" local double.....	.15 to .40
ASPARAGUS, Plum. & Ten.....	.35 to .50	" single.....	.15 to .40
" Sprenger, bunches	.35 to .50	NARCISSUS.....	.50 to .75
Orchids—Cattleyas.....	40.00 to 50.00	ROMANS.....	.....to
CYPRIPEDIUM.....	.....to	SWEET PEAS.....	.30 to .75
.....	.....to	TULIPS.....	.35 to .75
.....	.....to .....	.....	.....to
.....	.....to .....	.....	.....to

to Joseph A. Manda, Orange, N. J., and a similar award to H. A. Siebrecht & Son.

The gold medal of the society was awarded to J. T. Butterworth, South Framingham, Mass., for a beautiful plant of Cattleya Mossiae, variety Mrs. J. T. Butterworth. The flower of this variety is probably the largest that has ever been found on a cattleya of this species, and the distinguished honor given to the plant by the society met with the general approval of orchid experts who viewed the plant. A silver medal was awarded to Julius Roehrs Company for Brasso-Cattleya Digbyana x Mossiae. Lager & Hurrell received a silver medal for a lycaste, the result of a cross between Lycaste Skinneri and L. Deppii. A bronze medal was awarded to H. A. Siebrecht & Son for a plant of Cattleya Skinneri alba. J. A. Manda was awarded a bronze medal for a plant of Laelia-Cattleya McNabiana. W. A. Manda, South Orange, N. J., received a bronze medal for Cymbidium eburneum Lowianum. Dr. J. M. Kitchen, Orange, N. J., was awarded a special prize for collection of orchid flowers.

These medals are donated by the Horticultural Society to the orchid section by whom they are awarded, this section having complete autonomy, and conducting its own internal affairs.

The Week's News.

Next Wednesday evening, May 27, will be ladies' night of the New York Florists' Club, and the affair will be held in the club rooms, corner of Twenty-third street and Eighth avenue, in the Grand Opera House Building. Chairman W. Rickards of the house committee is making elaborate preparations for both an excellent musical program and for a luncheon to be served. Every member who intends taking ladies to this grand affair should at once notify Mr. Rickards, care of Rickards Brothers, seedsmen, 37 East Nineteenth street,

CHAS. W. MCKELLAR
ORCHIDS
 FANCY VALLEY, ROSES, CARNATIONS and
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 Write for Catalogue
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tailers should want such an exorbitant price as \$5 per dozen. Of course, explanations followed regarding the difference in the length of stems of roses and the great variation in their value.

Our readers will, no doubt, remember that a few weeks ago we mentioned the death of Mr. and Mrs. Bond of Newark, N. J., who died of typhoid fever, supposed to have resulted from eating oysters. Information comes from Trenton, N. J., that the State Bureau of Shell Fisheries, which has been investigating that particular case, has reached the conclusion that there was no foundation for the suspicion that the oysters carried the germ of the disease. The certificate of death furnished by Dr. John F. Haggerty gives the cause of death as cerebro-spinal fever.

On Saturday next comes Memorial Day, and at the present writing it does not seem that there will be such a large supply of cut flowers from hardy shrubs as has been the case in some years. There will probably be some peonies in, though not a great many; and the supply of lilac should be almost over by that time.

George Salford, wholesale florist at 43 West Twenty-ninth street, is handling a novelty in the shape of pink lily of the valley. The color is against it, however, as it does not sell very rapidly. Mr. Salford expects to move in a few days to his new quarters at 43 West Twenty-eighth street.

A. J. Guttman is located at 31 West Twenty-eighth street, and not at 32, as we stated last week.

Frank S. Hicks & Company are about settled in their new quarters at 39 West Twenty-eighth street and are much pleased with their new location.

Some rumors are about regarding a desire being abroad to put the Greek flower peddler out of business. It seems in some quarters he is looked upon as a detriment to the proper retailing of cut flowers. One wholesale dealer remarked this week that the Greek buyer was of equally as much importance as any of the buyers from the larger stores, and if it had not been for the Greek peddler the violet crop could not have been handled during the season just past. Rather than put the Greek peddler out of business, it would be more fitting to honor him in some way or other; in fact, the wholesaler referred to suggested that the Rhinbeck violet growers erect a monument in their town to the Greek violet peddlers of New York City.

Buffalo, N. Y.

News Notes.

William Scott died on Tuesday morning, May 19, 1908, after an illness of two years. Mr. Scott suffered a paralytic stroke last week for the second time. His death will be a great loss to his many friends and to the Buffalo Florists' Club. Always willing to offer the beginner good advice, as well as the advanced, his presence was strongly felt when the time came that a sturdy hand was wanted to guide and to promote the best interests of the trade.

Miss Margaret Reichert of Genesee street has given up the florist business to embark on the sea of matrimony; Norman Pilkey being the lucky man.

Prospects are looking very bright for several orders for June decorations.

Roland Cloudsley is a busy man these days getting his new store in running order; he has the well wishes of all.

At the regular weekly roll of the Florists' Club several members distinguished themselves as bowlers. W. H. G.

Detroit.

Trade Notes.

The local market does not hold any features of special interest. Roses and carnations range in price about as last week. Sweet peas are coming in of better quality and stock finds ready sale.

The demand for boxwood and bay trees is very good. Large beds of pansies in the public parks are stimulating the call for pansy plants; one of these beds contains 1,000 plants of an azure blue color.

A large decoration for a wedding, done in palms and apple blossoms, was the principal feature in large jobs last week.

Carnation plants are going into the field slowly, inclement weather holding up this work. Several florists have started to replant their rose houses.

FRANK DANZER.

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DAGGER FERNS, \$1.00 per 1000
FANCY " 1.25 "

SPECIAL OFFER FOR TEN DAYS

Nice, fancy Ferns, 85c. per 1000. Good Dagger Ferns, \$1.00 per 1000. New crop Dagger Ferns, \$1.50 per 1000. Galax, Green or Bronze, \$1.00 per 1000; case lots, 10,000, \$7.50. 50 lb. cases Wild Smilax, \$6.00. Leucothoe Sprays, Bronze or Green, 40c. per 100. Ground Pine, 3c. per lb. or 5c. per yd. Fine and Laurel wreaths for Decoration Day use; Pine, \$1.50 per doz.; Laurel, \$2.50 and \$3.00 per doz.

Send your orders early for your decoration use. Laurel Festooning, 4c., 5c. and 6c. per yd.; made daily fresh from the woods. Boxwood, No. 1 quality, \$8.00 per case, 50 lbs.

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Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
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THE AMERICAN CARNATION

The Weathering of Coal.

This subject has been under investigation by the Engineering Experiment Station of the University of Illinois, and a bulletin thereon has recently been issued. The authors after a historical review of the subject state that:

"Judging from the opinions of practical engineers and scientists, the present methods of coal storage without doubt often result in much loss from fires of spontaneous origin and more or less by a deterioration in fuel value of the coal itself. The leading factors entering into the cause of these losses have been pointed out as being (1) the kind of coal as to its volatile combustible content; (2) the presence of occluded inflammable gases in the coal both before and after mining; (3) the presence of pyrites or other sulphur compounds; (4) the size of the coal; (5) the presence of moisture; (6) the temperature; and (7) the accessibility of oxygen to the coal."

Having considered the subject under the above headings, the authors are led to the following results:

"(a) Submerged coal does not lose appreciably in heat value.

"(b) Outdoor exposure results in a loss of heating value varying from 2 to 10 per cent.

"(c) Dry storage has no advantage over storage in the open except with high sulphur coals, where the disintegrating effect of sulphur in the process of oxidation facilitates the escape of hydrocarbons or the oxidation of the same.

"(d) In most cases the losses in storage appear to be practically complete at the end of five months. From the seventh to the ninth month, the loss is inappreciable.

"(e) The results obtained in small samples are to be considered as an index of the changes affecting large masses in kind rather than in degree, but since the losses here shown are not beyond what seems to conform in a general way to the experience of users of coal from large storage heaps, it may not be without value as an indication of weathering effects in actual practice."

BRISTOL, R. I.—Richard H. Dunbar has reported to the police that a number of boys recently smashed about \$40 worth of glass in his greenhouses.

GLEN ST. MARY, FLA.—The Glen St. Mary nurseries are preparing to build a packing house, 70 by 116 feet, this Summer.

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

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HARDY CUT FERNS

FANCY and DAGGER. Extra fine, \$1.75 per 1000. BRONZE and GREEN GALAX, \$1.25 per 1000, \$7.50 per 10,000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. BOXWOOD, per bunch, 35c.; 50 lbs., \$7.50. FANCY and DAGGER FERN our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

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FLORIST 100 lbs., \$1.75; 500 lbs., \$8.00;
SPECIALTIES 1,000 lbs., \$15.00. Ton, 2,000 lbs., \$30.00.
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Mention the Exchange when you write.

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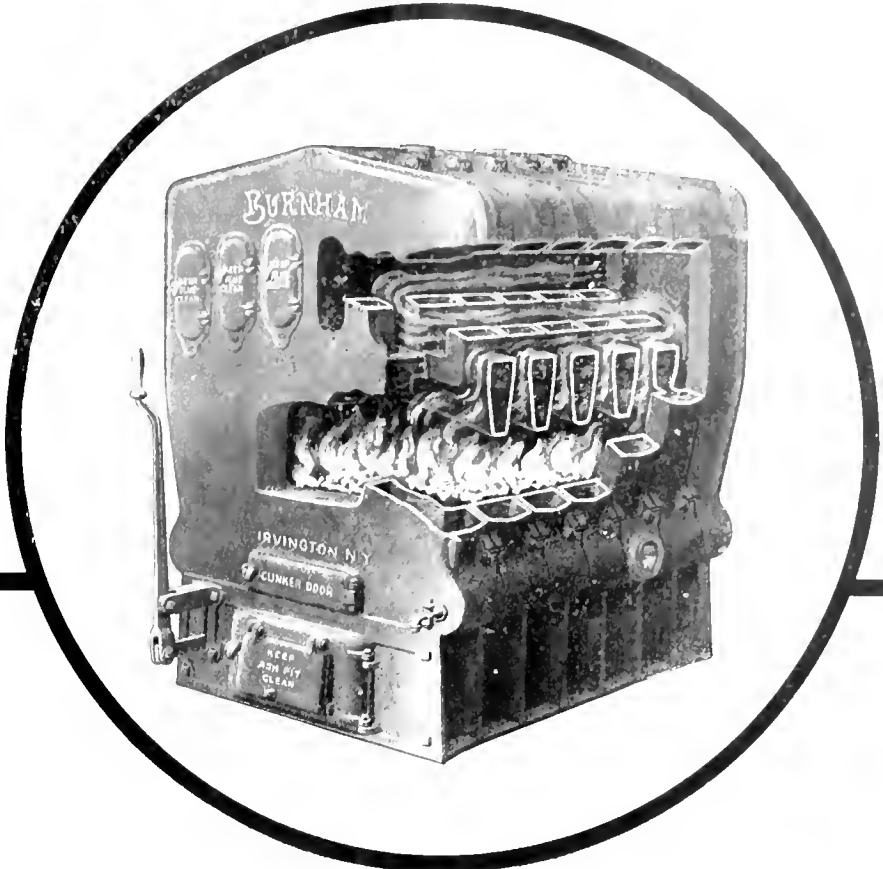
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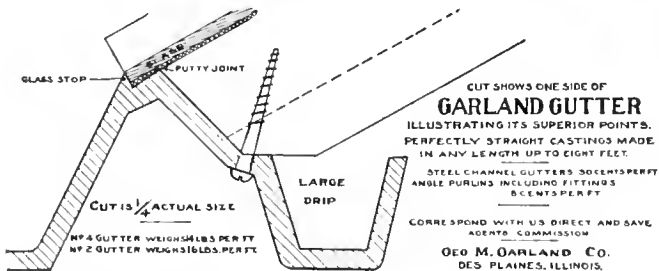
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Louisiana Red Cypress Co. of New Orleans
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Kalamazoo, Mich.

Trade and News Notes.

Instead of being cold and wet it has changed to wet and warm, and while it is what is called nice growing weather it certainly does not allow much planting to be done. The bedding out trade still waits, as do the growers for the opportunity of planting out carnations, which operation is scarcely begun, although usually the second week in May sees this job finished.

Owing to a brisk funeral trade the cut flower business has been active these last two weeks, and with Memorial Day only a week or so away we expect business in cut flowers to remain fairly good and anticipate a bustling time the remainder of the month.

Raleigh Wells, greenhouse manager for the Central Nursery Company, was recently married to an estimable lady of a village close by.

James Fraser at Mountain Home has now entirely recovered from a recent illness, which, though short, was severe while it lasted.

H. A. Fisher & Company say their branch store in Battle Creek is proving a very satisfactory investment.

S. B.

Indianapolis.

Current Events.

Baur & Smith are enjoying a heavy shipping business for their bedding stock.

Berterman Brothers Company are laying cement walks and otherwise improving their East Washington street plant.

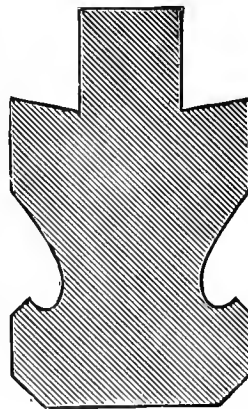
The Smith & Young Company (Carl Sonnenschildt and Herman Junge) have disposed of their Stratford greenhouses to Ernest Rieman & Company. Mr. Rieman is not a newcomer in the flower business, as he has been associated with his brother, Henry, the South Side florist, for many years and has an enviable reputation as a grower. Smith & Young intend adding more glass to their Cumberland plant and locating their residence there; 25,000 feet of glass figured in the transaction.

The City florist, Houston Tall, has his planting well under way; an unusually good grade of plants is being used by the city this season.

Only the late peonies will be available for Memorial Day, as many are now ready for the market.

Visitors: A. C. Brown, Springfield, Ill.; Wm. Elverson and Mr. Shaw, Pittsfield, Mass. I. B.

TAKE NOTICE



That we are manufacturers of clear Gulf Cypress Greenhouse Material, free from sap and no defects.

We are jobbers in Boilers, Pipe-Fittings, Glass, etc.; in fact, everything necessary for the complete Erection, Heating and Ventilating of Greenhouses. Let us quote you.

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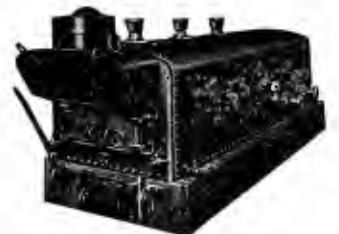
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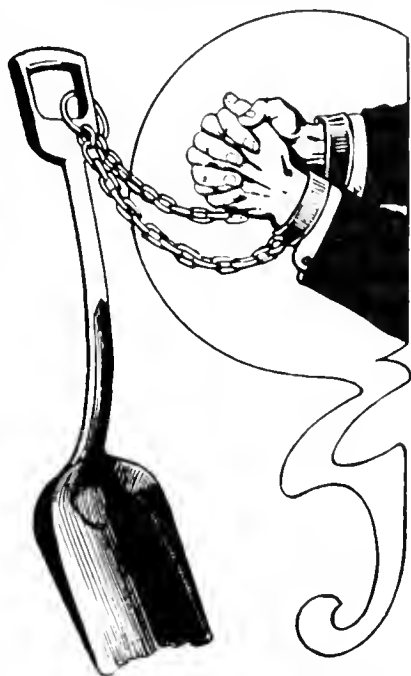
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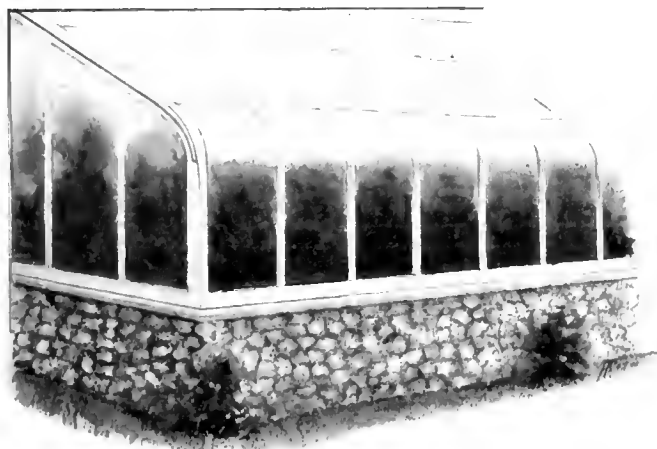
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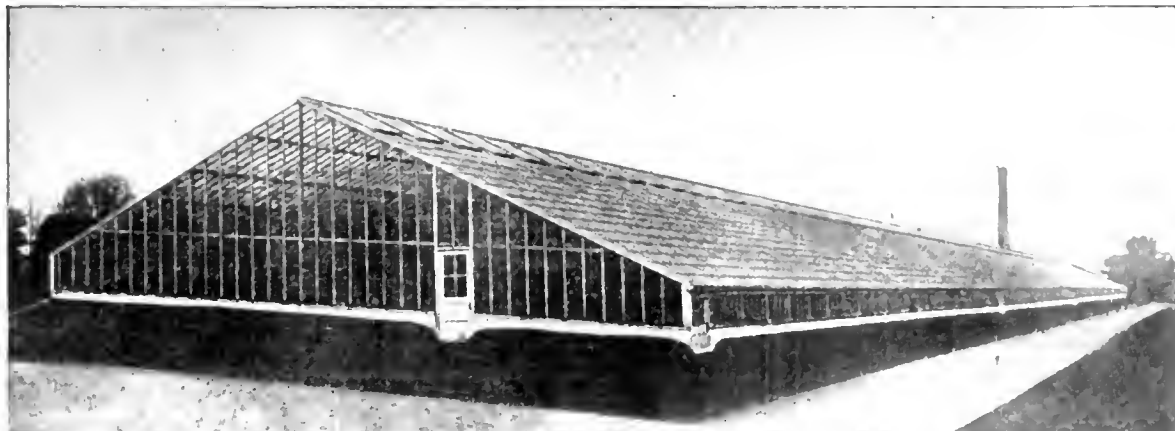


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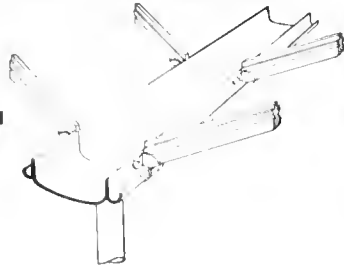
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 Carnations, strong, bushy plants, kept in cold
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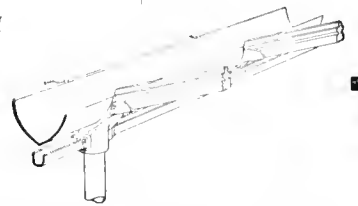
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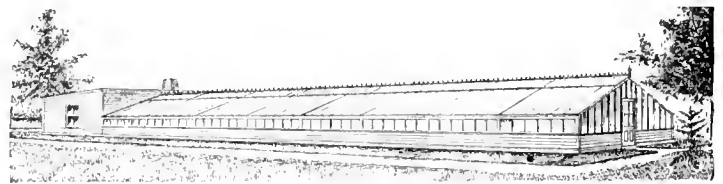


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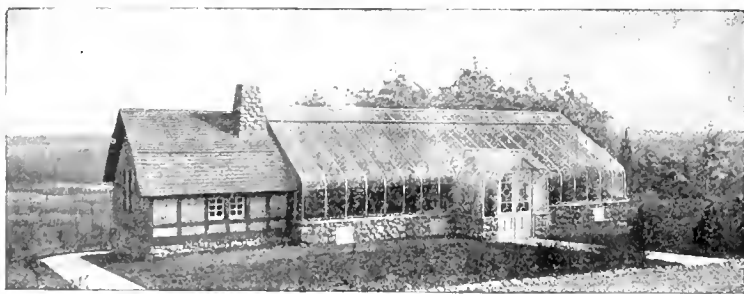
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VOL. XXV. NO. 22

NEW YORK AND CHICAGO, MAY 30, 1908

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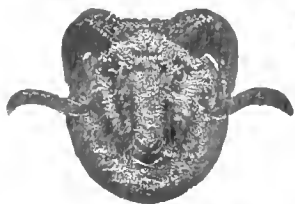
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PLUMOSUS NANUS, \$2.00 per 1000

SEEDS OF ASPARAGUS

PLUMOSUS ROBUSTUS, \$2.00 per 1000

COLD STORAGE LILY OF THE VALLEY PIPS, JAPAN LILIES, JAPAN IRIS

For prices state quantities required

J. M. THORBURN & CO.

33 Barclay St., through to

38 Park Place, New York.

Everything of the highest grade.

PRICE LIST of my

WINTER FLOWERING SWEET PEAS

will be out in June. If you have never grown my sweet peas, send for it. My old customers will get it without asking. New crop seed will be ready in August next.

ANTON C. ZVOLANEK, Boundbrook, N. J.

NEW CROP FLOWER SEEDS

Verbena Mammoth, in colors or mixed, 1/4 oz. 30c., oz. \$1.00.

Salvia Splendens, 1/4 oz. 35c., oz. \$1 25.

Salvia Bonlire, 1/4 oz. 75c., oz. \$2.50.

Lily Valley, Early Forcing, to close out, per 1000, \$11.00.

Fresh Tobacco Stems, Bale of 300 lbs. \$1.50.

W. C. BECKERT, Pittsburg, S. N. Pa.

W. & D.'S SPECIALTIES FOR 1908

Tomato, "The Don," best for forcing. Cauliflower, First and Best. Onion, Alsa Craig. Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spawn, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready. Free on application.

WEEBER & DON, SEED MERCHANTS
114 Chambers St., NEW YORK

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

The book of WATER GARDENING

By Peter Blisset. Price, postpaid, \$2.50

A. T. DE LA MARE PTG. & PUB. CO., LTD.

2 to 3 Duane Street, New York.

PLANT CULTURE

PRICE \$1.00.

A. T. DE LA MARE PTG. & PUB. CO.

2 DUANE STREET, NEW YORK

ROSES

In Variety, 2, 4, 5 and 7 in. pots in extra fine condition. Write for particulars. The Elizabeth Nursery Co. ELIZABETH, N. J.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION. George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

NEW YORK. Henry Nungesser returned from Europe last week, this having been his 45th voyage.

ST. PAUL, MINN. L. L. May & Company's store is the beehive of the West. Between the nursery and the seed and flower departments there are no idle hours here.

MINNEAPOLIS, MINN. The well-known conservative house of Northrup, King & Company, has a good word regarding the season's trade. Contrary to general opinion the firm thinks the excessive rains have been injurious to the business. A glance at their store shows activity in every department, in spite of storm and discomfort.

ST. LOUIS, MO. The trade here has been uniformly good throughout the season. Schisler-Corneli Seed Company say they have had a satisfactory business. The Tinsley Seed Company are having a good trade, which is rapidly increasing. They think the business has been increased by climatic conditions. A long continued rainy season has caused much seed to rot in the ground, which has to be replaced.

BIRMINGHAM, ALA. The Amzi-Golden Company are now settled in their roomy, new warehouse, made necessary for their largely increased business, which Mr. McVey is handling with skill and industry. Their specialties are cotton seed, cow peas and collards; they also do a large business in fertilizers of their own formula. They tell the same story as is told throughout the South—a good trade and with better profits.

CINCINNATI, O. The two McCullough seed houses are about as lively twins as are to be found in the commercial world. While they are wide-awake and ever ready for business they are not competitors for the detriment of the profit end. The same energy, intelligence and strict business methods, with results following, are to be found in each of these well-known seed houses. Each speaks well of trade conditions, which they think have suffered from the long continued rainy season.

MEMPHIS, TENN. Otto Schwill & Company report an increasing trade along all lines. Their specialty is the trucker, or market gardeners' trade than which none is more critical. They handle the best and have a most satisfactory trade. They also do a general bulk seed trade, which is fast increasing at the South.

The Ellithorne Seed Company, whose specialty is the box-trade, have an increasing business in this line. Mr. Ellithorne is absent from home looking after the trade in general, which those in charge say has been remarkably good.

ALBANY, GA. The Alexander Seed Company since its reorganization two years ago, when a seed house took the place of a drug store, has been doing a healthy trade, which is gradually increasing and indicates a good business future.

The N. L. Willet Seed Company is another seed house that had its birth in a drug store, but is now doing a regular seed trade, in an exclusive seed house. This concern, while conducting a regular seed trade makes a specialty of Southern grown seeds, which are chiefly used in the South. The firm speaks well of trade conditions, and of its box trade in particular.

COLD STORAGE LILIES. LILIAM LONGIFLORUM GIGANTEUM (re-packed). 6 to 8 inch bulbs, 400 in a case, \$8.50 per 100; \$75.00 per 1000; case of 400 for \$30.00. 7 to 9 inch bulbs, 300 in a case, \$9.00 per 100; \$85.00 per 1000; \$25.50 per case of 300. 9 to 10 inch bulbs, 200 in a case, \$14.00 per 100; \$130.00 per 1000; \$26.00 per case of 200. ARTHUR T. BODDINGTON, Seedsman 342 WEST 14th STREET NEW YORK CITY



HALF MILLION CALLA BULBS. CALLA BULBS pay to bloom 40% better than Harrisii. Why you don't have to throw Calla Bulbs away after blooming. (Sava.) Calla Ethiopica Bulbs 8 to 10 inch \$90.00 7 to 8 inch 65.00 5 to 7 inch 40.00 3 to 5 inch 25.00 250 at 1000 rates. Packed in slatted crates. Liberal count. Sale Arrival Guaranteed. 17 to 23 KENNAN ST. SANTA CRUZ, CAL.

Established 1900 POAT BROS (formerly of Ettricks, Va.) BULB GROWERS HIGHLAND PARK RICHMOND, VA. NARCISSUS, TULIPS, IRIS PAEONIES, CROCUS SEND FOR CATALOGUE

FISCHER'S GRAND PURITY FREESIA. This is the finest Freesia ever offered to the trade and the only one worth growing. The flower buds are of very large size, of glistening whiteness, and of thick heavy substance, making its keeping quality superior to all others. The stems, always stiff, can be grown two feet and over, making this magnificent Freesia one of the finest decorative flowers. It can be used entirely alone in this respect or with other long-stemmed flowers. The greatest care is taken by us to keep this beautiful Freesia pure and free from all danger of mixing, by carefully picking off all seed pods; not allowing one to ripen and drop its seed in the ground, where it would surely grow the next season and work disaster, as it does not come true from seed. So beware of buying stock that has been increased from seed. You will always find Purity here in all its purity. Send in your orders early, for last year the orders far exceeded the supply. This year we hope to fill all orders and offer first and second-grade bulbs for sale. Send for Price List. Delivery in early July. RUDOLPH FISCHER, Santa Anita, Cal.

—Established 1824— Bridgeman's Seed Warehouse RICKARDS BROS., Props. Importers and Growers of High Grade Seeds, Bulbs, Plants, Etc. 37 EAST 19th ST., Near Broadway, Tel. 4235 Gramercy NEW YORK CITY

C. C. Morse & Co. SEED GROWERS, San Francisco, Cal. Address all communications to our permanent address, 43 to 56 Jackson Street. ONION, LETTUCE AND SWEET PEAS AND ALL OTHER CALIFORNIA SPECIALTIES Warehouse, Santa Clara. Farms and Farm Headquarters, Carmadero, near Gilroy.

XXX SEEDS CHINESE PRIMROSE. Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c. Have the varieties separate, also Primula Obconica grand flm., finest improved, large flowering, fringed, mixed, 1000 seeds, 50c. CINERARIA dwarf, mixed, 1000 seeds, 50c. GIANT PANSY. The best large flowering varieties, critically selected 5000 seeds, \$1.00; half pkt., 50c. 500 seeds of Giant Mme. Perret pansy seed added to every \$1.00 pkt. of Giant Pansy. Cash. Liberal extra count. JOHN F. RUPP, Shiremanstown, Pa. THE HOME OF PRIMROSES

FISKE SEED CO. Make a specialty of ASTER SEED All the leading varieties Also FLORISTS' SEEDS for immediate planting H. E. FISKE SEED CO. 12 & 13 Faneuil Hall Square BOSTON, MASS.

Our Specialty In the Fall will be HOME GROWN LILIUMS, GERMAN and JAPAN IRIS. When in the market let us quote you prices. JOHN LEWIS CHILDS, Floral Park, N. Y.

ROEMER'S SUPERB PANSIES PRIZE The finest strain of Pansies in the World. Introducer and Grower of all the leading Novelties. Highest Award, International Exhibition, Dusseldorf, 1905. Catalogue free on application. FRED. ROEMER, Seed Grower, Quedlinburg, Germany.

Chrysanthemum growers who have a surplus of young plants should advertise them in THE FLORISTS' EXCHANGE.

PLANT CULTURE Price, - - - \$1.00. A. T. De La Mare Ptg. & Pub. Co. 2 to 8 Duane Street, New York

Special Offer BULBS DAHLIAS, large divided clumps, 10 choice varieties, \$0.75 \$5.00 DAHLIAS, mixed fine roots, 40 \$1.00 FERN BALLS, 7 1/2 inches in diameter 2 1/2 \$1.00 CYCAS STEMS (Sago Palms) 25 lbs. at \$1.00 per 100 lbs. 7. Pieces of Lilium Auratum, Rubrum and Album, and Valley Pips will be sent on request. JOHNSON SEED CO., 217 Market St., PHILADELPHIA, PA.

JAPAN BAMBOO STAKES, for Chrysanthemums, Lilies, Gladiolus, etc. Durable, strong, 6 feet long, about 3/8 in. diameter, 65c. per 100, \$3.00 per 1000, \$9.00 per 2000. ASPARAGUS Plumosus Nanus seed, true, 50c. per 100, \$1.00 per 1000; \$5.00 per 2000. ASPARAGUS Sprengeri Seed, true, 15c. per 100; 75c. per 1000; \$1.25 per 2000. NEW PURE WHITE FREESIA "SNOW-DRIFT," Absolutely pure white flowers; stems, strong, bearing a profusion of large, milk-white blossoms, early footer. 100 1000 Select flowering bulbs \$1.25 \$10.00 First size bulbs 1.75 15.00 Mammoth bulbs, doz., 50c. 2.00 H. H. BERGER & COMPANY 70 Warren St., NEW YORK CITY

Flower & Vegetable SEEDS The Best Kinds for Market, Gardeners and Florists Aster Seed, all the leading varieties. Tuberoses, Dwarf Pearl, 75c. per 100, \$7.00 per 1000. Dahlias, all the leading sorts. Roses, Lilies, Cannas, Geraniums, Artichokes. JAMES VICK'S SONS SEEDSMEN ROCHESTER, N. Y.

Cycas Revoluta Stumps Just Arrived. 25 lb., \$2.00; 100 lb., \$7.00. ASPARAGUS Plumosus Nanus, \$3.00 per 1000 seeds. ASPARAGUS Sprengeri, 75c. per 1000 seeds. PANDANUS Utilis, 100 seeds, \$1.00; 1000 seeds, \$8.00. MOORE & SIMON 339 Market St., Philadelphia, Pa. MUSHROOM SPAWN made "Direct from Spores" of Selected Mushrooms Nature's only way of producing Spawn. If your Seedsman cannot supply you write direct to us for pamphlet. ANGLO-AMERICAN SPAWN CO. Kennett Sq., Pa.

FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedsman. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. in postage stamps. Address American Spawn Company, St. Paul, Minn.

PLANT CULTURE PRICE, \$1.00. The best book for the plant grower. A. T. De La Mare Ptg. & Pub. Co. LTD 2-8 Duane St. New York.

Stokes Standard Seeds.

For Florists and Market Gardeners. Send for Catalogues and Special Prices on your wants in FLOWER or VEGETABLE SEEDS and BULBS.

Stokes Seed Store.

219 Market Street, PHILADELPHIA

FREDONIA, N. Y. A patent has been granted to E. D. Obertriffter of Risley street, Fredonia, for a valuable improvement in the cases used in the seed business to display garden and flower seeds. Mr. Obertriffter will organize a stock company here to manufacture the devices covered by his patent. The chief point in the patent is a box suitable for shipping the seeds, which also contains a set of movable trays, that automatically lift up into tiers when the box is opened. The tiers rising in symmetrical rows form an excellent place to display not only seeds, but medicines, or other goods done up in small packages. Obertriffter is an employee of the Lake Shore Seed Company of Dunkirk.—Buffalo Commercial.

RICHMOND, VA. T. W. Wood & Sons have had one expression regarding Spring trade, which is entire satisfaction, as have all other seed houses that aim to secure the best grades of seed for the market gardeners' trade, as well as the grass and field seeds. The best only will hold the trade at remunerative prices, which is the secret of their increasing trade.

Diggs & Beadle, who among the younger in the trade are striving for a place on top, say business is steadily increasing and that they have been obliged to enlarge their space by removing their offices to an upper floor. They do a strictly retail trade.

T. J. King & Company are doing a unique seed business in this city; unlike any other seed house, their plan is to send boxes of seed to be paid for when seed is sold; it seems to work well, at least they are satisfied, and intend working along the same line in future. Surely if energy well applied merits success, they should be entitled to it.

Seed Trade Notes.

Strange as it may seem the extremely and continuously rainy weather that has prevailed all through the month has not curtailed the usual small cash over-the-counter trade of May to any appreciable extent. To sum up the whole matter of the May trade in a few words, it can be said with much satisfaction that not for many years has an equally good average business been done by the seed trade as a whole.

On the other hand, the extreme scarcity of so many standard seed stocks, as is now so very apparent, must have curtailed what would otherwise have been a record-breaking business. There is, of course, no way to even approximately estimate the volume of business that has been, so to speak, lost by the larger wholesale firms through their not having the needed seeds for their wholesale customers in the quantities desired, but it would seem safe to say, that at least double the amounts of such standard seed stocks as Burpee's bush Lima beans, Country Gentleman sweet corn, white Southport Globe and red Wethersfield onions and practically the entire list of yellow varieties of field corn, could have been disposed of had the seeds been forthcoming. The shortages in seed potatoes, onion sets, and field corn have been very acute; and in field corn especially the extreme shortages are a very serious matter, the effects of which will extend into another year, by keeping field corn seed stocks at a high price. The result of these shortages, especially in seed potatoes and field corn, is already beginning to be reflected in large advance sales of the seeds of mangel-wurzels, carrots, turnips, and such field crops as can be advantageously planted all through June and the first half of July.

Owing to the rainy weather of the past ten days, the demand for the above noted seeds has only just begun to make itself manifest; but now that favorable weather again gives a

chance to finish corn planting, a very urgent call for the seeds mentioned will surely at once become apparent. All seeds for late planting will be found to be of especial value this year.

American Seed Trade Association.

The topics that will be discussed at the convention at Detroit this year at the twenty-sixth annual convention, June 23, 24 and 25, are of interest to all seedsmen. There will be interesting reports from committees in regard to seed legislation, both State and National.

Thousands of people annually pass through Detroit that do not know they have the right to a ten days' stop-over on their tickets without extra charge. This applies to all tickets to or from any point in the United States or Canada, provided same is within the final limit of said ticket. Passengers desiring this privilege will make application for same to conductor or train auditor, and the latter will endorse coupon "Off at Detroit," date and sign same, and advise passengers that immediately upon arrival at Detroit the ticket must be deposited with ticket agent at the depot arrived at. The latter will furnish a receipt for ticket.

There will probably be very low rates offered to the convention of the National Education Association at Cleveland, so if any members wish to attend the latter they can use the above stop-over privileges to good advantage.

The management of the Hotel Pontchartrain promises to make us comfortable and would like to hear in advance from as many as intend to engage rooms. The rates offered are \$2 each for two in a room or \$2.50 and upward, single, without meals. Other hotels are near and eating houses numerous.

C. E. KENDEL, Sec'y.

Subjoined is the program:
"Theoretical and Practical Seed Breeding," by Dr. W. W. Tracy, U. S. Department of Agriculture.

"Farm Practice Investigations in Clover Seed Production," by C. B. Smith, U. S. Department of Agriculture.

"The Use of Forage Plants as Soil Improvers, in the South," by Henry W. Wood, of T. W. Wood & Sons, Richmond, Va. "In the North," by J. E. Northrup, of Northrup, King & Company, Minneapolis, Minn.

"What Effect does a Commercial Depression have on the Garden Seed Business?" by E. C. Dungan, of William Henry Maule, Philadelphia, Pa.

"Practical Education in Horticulture," by Dr. A. C. True, U. S. Department of Agriculture.

"The Effect of Low Prices on the Production of High-Grade Stocks," by C. N. Keeney of N. B. Keeney & Son, Le Roy, N. Y.

"Fire Insurance," by McCullough of J. M. McCullough's Sons Company, Cincinnati, O.

"Disclaimer Discussion," (Executive Session) led by Leonard H. Vaughan of Vaughan's Seed Store, Chicago, and S. F. Willard, of Comstock, Ferris & Company, Wethersfield, Conn.

"The American Trade Mark Law and its Importance to Seed Growers and Merchants," by Edward T. Fenwick of Mason, Fenwick & Lawrence, Washington, D. C.

The officers for 1907-1908 are: President, George S. Green, Chicago; first vice-president, Marshall H. Durvea, New York; second vice-president, F. W. Bolgiano, Washington; secretary-treasurer, C. E. Kendel, Cleveland, O.; assistant secretary, Leonard H. Vaughan, Chicago.

List of Committees: Executive—Henry W. Wood, Richmond, Va.; C. S. Burge, Toledo, O.; Leonard H. Vaughan, Chicago; Charles N. Page, Des Moines, Ia.; Watson S. Woodruff, Orange, Conn.

Membership—Albert McCullough, Cincinnati, O.; S. F. Willard, Wethersfield, Conn.; W. P. Jones, Hartford, Conn.

IMPORTS OF SEEDS, May 19.—J. W. Hampton, Jr. & Company, six cases plants, McHutchison & Company, 22 tubs laurel trees; Julius Rochrs Company, nine cases plants; 40 tubs laurel trees; C. B. Richard & Company, six cases plants; 101 tubs laurel trees; Vaughan's Seed Store, 17 cases plants; F. B. Vandegriff & Company, five packages grass seed; Carrillo & Baldwin, seven cases orchids. May 21.—H. M. Baker, 400 bags clover seed, May 22. H. M. Baker, 216 bags clover seed, Lehn & Pink, 12 packages seed, May 23 and 24. Maltus & Ware, one box five plants.

European Notes.

"The rain, it raineth every day," and yet the supply appears to be inexhaustible. We are fairly sodden in every direction and while trees and weeds appear to revel in it our young seedlings look very sick. London, which has been en fête this week with W. Atlee Burpee, Alex. B. Scott and the great Franco-British exhibition, has been simply deluged, with the exception of the day of the Royal Horticultural show, while from all parts of Northern Europe come reports of disastrous floods and a temperature that recalls a bitterly cold November.

Let me again emphasize the fact that we are on the way to a season of serious shortages in all the useful lines, and that the stock of reliable seed on hand is ridiculously small. Emphasis might also be laid on the lateness of the season and its probable effect upon the harvest, but on this point it is not wise to prophesy, for a few fine hot days would make a marvelous change.

I learn from a well-informed Britisher that Alex. B. Scott of Sharon Hill, Pa., who by the way is a brother-in-law of W. Atlee Burpee and who came over to testify in the famous Dickson lawsuit, brought with him 12 blooms each of roses White Killarney and Mrs. Jardine, which were cut at Sharon Hill on April 2 and arrived on this side in such excellent condition that they formed the table decorations for dinner on two successive days after their arrival.

It is satisfactory to know that the lawsuit in question ended in favor of the justly famous Newtownards company.

Time sits lightly on the genial squire of Fordhook, whose cheery optimism makes a splendid tonic; doubtless it is the result of his persistence in taking in all the good things of life that come in his way. He is in splendid health just now and reports that Mrs. Burpee has derived very great benefit from the trip.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

H. H. VAN DER BOM & COMPANY, Oudenbosch, Holland (J. Meerkamp Van Embden, Mount Vernon, N. Y., American Agent).—Catalogue of Ornamental Trees, Flowering Trees and Shrubs, Forcing Plants, Conifers, Evergreens, Roses, Boxwood, Peonies, etc.

VEGETABLE PLANTS

CABBAGE, Wakefield, L. I. Second Early, Early Flat Dutch, Early Summer, Winnigstadt, and other later varieties, \$1.00 per 1000; \$8.50 per 10,000.
BEETS, Eclipse, Crosby and Egyptian, 25c. per 100; \$1.25 per 1000.
LETTUCE, Boston Market, Tennis Ball, Big Boston and Grand Rapids, 20c. per 100; \$1.00 per 1000.
CELERY, White Plume and G. S. Blanching, 20c. per 100; \$1.00 per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO., White Marsh Md.

ROSES OWN ROOTS

2 1/2 in. pots, Summer propagated, 500 Plants at 1000 rate.
100, \$3; 1000, \$25. \$3.00 per 100; \$27.50 per 1000
Baby Rambler
Clothilde Souper Maman Cochet
Mme. Cecile Berthod White Cochet
Safrano Yellow Cochet
Snowflake Helen Goud
Mosella Hessie Brown
Isabella Sprout Climbing Kaiserin
Coq. De Lyon Climbing Meteor
Marie Van Houtte Malmalson
The Bride Papa Gontier
Bon Silene Gruss au Tepiltz
Chateaux Hermosa
D. of Brabant Lady Gay
Queen's Scarlet Sunrise, 100, \$3.50
Crimson Rambler Etoile de France, 100, \$3.50; 1000, \$30.00
Joe Hill, 100, \$4.00
Kaiserin Helen Good, 100, \$5.00
Perle des Jardins Baby Rambler, in bud and bloom, 4 in. pots, 100, \$8.00
Magnifranco
Paul Neyron
Striped R. M.
Henrietta
HYDRANGEA, Arboreascens Grandiflora alba, 2 1/2 in. pots, \$5.00 per 100; \$50.00 per 1000.

JOHN A. DOYLE, Springfield, Ohio

ROSES OWN ROOTS

BRIDES
BRIDESMAIDS } 2 1/2 in. ... Per 100 Per 1000
RICHMOND } \$5.00 \$40.00
KILLARNEY }
GRAFTED KILLARNEYS, 2 1/2 in. 15.00 120.00

CARNATIONS

All standard varieties, Rooted Cuttings or Pot Plants.

S. J. REUTER & SON, Inc., WESTERLY, R. I.

ROSE PLANTS

KATE MOULTON, 2 1/2 in., \$5.00 per 100; \$45.00 per 1000.
CHATENAY, 2 1/2 in., \$4.00 per 100; \$35.00 per 1000.

A. FARENWALD, HILLSIDE, Mont. Co., PENN.

ROSES & VINCAS

See column adv., page 668, May 16. Bargains in 2 1/2 and 4-inch stock.

THE LEEDE FLORAL COMPANY SPRINGFIELD OHIO

CABBAGE PLANTS

Jersey Wakefield, ready for field, \$1.25 per 1000. Tomato, all kinds, \$1.50 per 1000.
J. C. SCHMIDT, Bristol, Pa.

60,000 GRAFTED ROSES

Chatenay, Killarney, Richmond, Liberty, La France, 3 1/2 inch pots, \$18.00 per 100.
Bride, Bridesmaid, Golden Gate, Kaiserin, 3 1/2 inch pots, \$15.00 per 100.

OWN ROOT ROSES

BRIDE, BRIDESMAID, KILLARNEY, RICHMOND, CHATENAY, 3 inch pots, \$7.00 and \$9.00 per 100.
50,000 VERBENAS, in bud and bloom, \$2.50 per 100; \$20.00 per 1000.

Good varieties of COLEUS at Verbena prices.

J. L. DILLON, Bloomsburg, Pa.

ROSE PLANTS

Own roots, 3 1/4-in. pots; ready June 15. 2000 BRIDES, \$6.00 per 100; \$50.00 per 1000.

2000 BRIDESMAIDS, \$6.00 per 100; \$50.00 per 1000.

RICHMONDS. Ready now; from 2 1/2-in. pots, \$5.00 per 100; \$45.00 per 1000.

Ready now, 2500 BRIDES, 2-in. pots, \$3.00 per 100; \$25.00 per 1000.

THE LEO NIESSEN CO.

Wholesale Florists
209 Arch St., Philadelphia, Pa.

FINE Rose Plants

BRIDES and BRIDESMAIDS,

on own roots, \$4.00 per 100.

Cash with order.

JAMES HORAN & SON, BRIDGEPORT, CONN.

ROSES

Strong, clean stock. Grafted Killarney, Richmond, Brides and Maids, \$12.00 per 100; \$110.00 per 1000. Own roots, Brides, Maids, Gatas, Ivory, Paris, Killarney and Richmond, \$6.00 per 100; \$55.00 per 1000, all from 3 1/4 in. pots.

P. R. QUINLAN, Syracuse, N. Y.

FERNS

MY SPECIALTY

MILLION AND A HALF of FERN SEED-LINGS in 20 or more of the best commercial varieties, ready for delivery during June and July.

State your wants early and get special quotations. Stock the best. You will be pleased, or money refunded.

Assorted Ferns for jardinières, healthy and bushy, none better, in 12 best varieties from 2 1/2 in. pots, \$2.50 per 100. \$23.00 per 1000; 3 in., \$6.00, 4 in., \$12.00 per 100.

Adiantum Farleyense, fine stock, from 2 in. pots, \$10.00 per 100, \$95.00 per 1000.

Adiantum Cuneatum, 2 in., \$3.50 per 100, \$3.00 per 1000; 3 in., \$6.00, 4 in., \$12.00 per 100.

Fern Spores, gathered from my own stock guaranteed fresh, and true to name, in 24 best commercial varieties, 30c. per trade pkt., \$3.00 per dozen.

J. F. ANDERSON SHORT HILLS, N. J.

FERNS

Boston and Scottii, 4 in., 15c.; 6 in., 40c and 50c. each.

ASPARAGUS Plumosus, 2 1/4 in., \$3.50 per 100.

ASPARAGUS Sprengeri, 2 1/4 in., \$3.00 per 100.

FERNS, in nice assortment, \$3.00 per 100; \$25.00 per 1000.

DRACÆNA Indivisa, 4 and 5 in., 12c., 15c., 25c. and 35c. each.

SALVIA Bonifère and Splendens, AGERATUM, blue, Mme. Salleron.

GERANIUMS, 2 1/4 in., \$2.50 per 100.

ENGLISH IVY, 4 in., \$10.00 per 100.

H. WESTON

Hempstead, New York

FERNS

For Jardinières, strong healthy plants, 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate. 3 in. \$6.00 per 100; 4 in. \$12.00 per 100.

BOSTON FERNS, 7 in., \$1.00 each

FRANK N. ESKESEN, Main Street, Madison, N. J.

Dreer's Hardy Perennials

Are Pot-Grown and can be planted just as successfully now as at any time during the Spring.

	Per doz.	Per 100
Achillea, The Pearl, 3-in. pots	\$4.75	\$45.00
Millefolium Roseum, 3-in. pots	.85	6.00
Artemisia in var., strong roots	1.25	8.00
Alyssum Saxatile Compactum, 3-in. pots	.75	6.00
Anemone Japonica, 3-in. pots	.85	6.00
Alba, 3-in. pots	.85	6.00
Elegantissima, 3-in. pots	.85	6.00
Lord Ardillanum, 3-in. pots	1.25	8.00
Prince Henry, 3-in. pots	1.25	8.00
Queen Charlotte, 3-in. pots	.85	6.00
Rosea Superba, 3-in. pots	.85	6.00
Whirlwind, 3-in. pots	.85	6.00
Anthericum Lilium and Lillastrum	.75	5.00
Aquilegia in variety, 3-in. pots	.85	6.00
Armeria Maritima Splendens, 3-in. pots	.85	6.00
Alba, 3-in. pots	.85	6.00
Artemisia in variety, 4-in. pots	.85	6.00
Asclepias Tuberosa, strong roots	.85	6.00
Aster Grandiflorus, strong roots	.85	6.00
Alpinus, blue and white, 3-in. pots	.85	6.00
Hardy Asters (Michaelmas Daisies), strong plants in 2 1/2 var.	1.00	7.00
Boltonia Asteroides, 4-in. pots	.85	6.00
Boltonia Asteroides, 4-in. pots	.85	6.00
Callirhoe Involucrata, 3-in. pots	1.00	7.00
Campanula Carpatia, blue and white, 3-in. pots	.85	6.00
Persicifolia Moerhousii, 3-in. pots	1.25	8.00
Persicifolia, blue and white, 4-in. pots	.85	6.00
Caryopteris Mastacanthus, 3-in. pots	.85	6.00
Cerastium Tomentosum, 3-in. pots	.85	6.00
Centaurea in variety, 3-in. pots	1.00	7.00
Chelone in variety, strong plants	1.25	8.00
Chrysanthemum Alaska, 3-in. pots	1.50	10.00
Shasta Daisy, 3-in. pots	.75	5.00
Hardy Pompano, 2 1/2 varietals, 2 1/2-in. pots	.60	4.00
Cimicifuga Simplex, 4-in. pots	3.50	25.00
Clematis Davidiana, strong, 2-yr.-old	.85	6.00
Careopsis Lanceolata Grandiflora 4-in. pots	.75	5.00
Delphinium Belladonna, 3-in. pots	2.00	15.00
Chinese, 1-yr., field grown	.75	5.00
Alba, 1-yr., field grown	.75	5.00
Furcatus, 1-yr., field grown	.85	6.00
Dictamnus Fraxinella and Alba, strong plants	1.25	8.00
Dielisya Spectabilis, strong clumps	.85	6.00
Digitalis Gloxiniflora, 4-in. pots	.85	6.00
Grandiflora, 3-in. pots	.85	6.00
Lanata, 3-in. pots	.85	6.00
Doronicum in variety, 4-in. pots	1.25	8.00
Epimedium in var., strong plants	1.50	10.00
Eryngium Amethystinum, 3-in. pots	1.00	7.00
Erigeron in variety, 3-in. pots	1.00	7.00
Eupatorium Ageratoides, 4-in. pots	.85	6.00
Costatum, 3-in. pots	.85	6.00
Euphorbia Corollata, 3-in. pots	.75	5.00
Funkia Coerulea, strong roots	.75	5.00
Subcordata Grandiflora, strong roots	1.25	8.00
Undulata Media Pietra, strong roots	.85	6.00
Gaillardia Grandiflora, 4-in. pots	.85	6.00
Geranium Sanguineum, 4-in. pots	.85	6.00
Album, 4-in. pots	.85	6.00
Geum in variety, 3-in. pots	1.00	7.00
Glechoma Variegata, strong pl'ts	.85	6.00
Helenium Autumnale Superba, 4-in. pots	1.00	7.00
Grandcephalum Stratum, 3-in. pots	1.00	7.00
Fumilium Magnificum, 4-in. pots	1.00	7.00
Riverton Gem, 3-in. pots	1.50	10.00
(New)	1.50	10.00
Riverton Beauty, 3-in. pots	3.00	20.00

	Per doz.	Per 100
Hibiscus Crimson Eye, 1-yr.-old	\$0.85	\$6.00
Moscheutos, 1-yr.-old	.85	6.00
Hemerocallis in variety, strong plants	.85	6.00
Helianthus in variety, strong pl'ts	.85	6.00
Spiraeifolia, 3-in. pots	1.50	10.00
Reliopsis Pitcherianus, 4-in. pots	.85	6.00
Semi Plena, 3-in. pots	.85	6.00
Seaber Major, 4-in. pots	.85	6.00
Helianthemum in var., 3-in. pots	1.00	7.00
Heuchera Sanguinea, 4-in. pots	1.00	7.00
Alba, 4-in. pots	1.00	7.00
Rosea, 4-in. pots	1.00	7.00

	Per doz.	Per 100
Lythrum Roseum Superbum, 4-in.	\$0.85	\$6.00
Genthera in variety, 3-in. pots	.85	6.00
Penstemon Orientale		
Sudanicum (Iceland Poppy), Choice mixed, 3-in. pots	.85	6.00
Pentstemon in var., strong pl'ts	1.00	7.00
Physostegia Virginica and Alba	.85	6.00
Platycodon, Blue and White, 2-yr.-old roots	.85	6.00
Plumbago Larpente, strong 3-in. pots	1.00	7.00
Potentilla in var., strong plants	1.00	7.00
Phlox Subulata, Pink and white, strong clumps	.75	5.00
Amena, 4-in. pots	.85	6.00
Primula Cortusoides Sieboldii 6 distinct varieties	1.50	10.00
Veris (English Cowslip), Choice Mixture	.75	5.00
Auricula, 3-in. pots	1.50	10.00
Pyrethrum Hybridum, choice seedlings, 3-in. pots	1.25	8.00
Uginosum, 4-in. pots	.85	6.00
Polemonium in variety, 3-in. pots	1.00	7.00
Ranunculus Repens Flore Plena, 4-in. pots	.85	6.00
Rudbeckia Golden Glow, strong plants	.85	6.00
Nevada, 4-in. pots	1.00	7.00
Purpurea, 3-in. pots	1.00	7.00
Sub-Tomentosa, 4-in. pots	1.00	7.00
Fulgida, 4-in. pots	1.00	7.00
Rays of Gold, 4-in. pots	1.50	10.00
Autumn Sun, 4-in. pots	1.50	10.00
Salvia Azuren Grandiflora, 4-in. pots	1.00	7.00
Saxifraga (Meyasen) in variety, strong plants	1.50	10.00
Scabiosa Caucasica and Alba 3-in. pots	1.25	8.00
Sedum Spectabile, strong clumps	1.00	7.00
Atropurpurea, strong clps	1.50	10.00
In variety, strong clumps	.85	6.00
Solidago in variety	.85	6.00
Spiraea Aruncus, clumps	1.00	7.00
Chinensis, clumps	1.25	8.00
Filipendula Flore Plena, 3-in. pots	1.25	8.00
Gigantea, clumps	1.25	8.00
Palmata, clumps	1.00	7.00
Elegans, clumps	1.00	7.00
Ulmaria Flore Plena, clumps	.85	6.00
Venusta, 4-in. pots	.85	6.00
Stafice in variety, 4-in. pots	.85	6.00
Stokesia Cyanea, strong, 3-in. pots	.75	5.00
Alba, 3-in. pots	1.50	10.00
Sweet William, clumps	.75	6.00
Thalictrum in variety, strong plants	1.00	7.00
Trollius Aurantiacus, 3-in. pots	2.00	15.00
Europaus, 3-in. pots	1.00	7.00
Japonicus Excelsior, 3-in. pots	2.00	15.00
Orange Globe, 3-in. pots	2.00	15.00
Tritoma Obelisque, strong divisions	1.50	10.00
Pfitzerii, strong plants	1.00	7.00
Rufus, strong divisions	2.00	15.00
Tricolor, strong divisions	2.00	15.00
Uvaria Grandiflora, strong divisions	1.00	7.00
Valeriana Coccinea and Alba, 4-in. pots	1.25	8.00
Officinalis, 4-in. pots	1.25	8.00
Veronica Longifolia Subsessilis, strong plants	1.25	8.00
Splenda, Blue and White, 4-in. pots	1.00	7.00
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In choice mixtures	1.25	8.00
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Lobelia Cardinalis, 3-in. pots	.85	6.00
Syphilitica, 4-in. pots	.85	6.00
Lysimachia Clethroides, 4-in. pots	.85	6.00
Lycnis Chalcedonica, Alba and Carnea, 3-in. pots	.85	6.00
Flore Plena, 3-in. pots	2.00	15.00
Haagenia, 3-in. pots	.85	6.00
Viscaria Splendens, 3-in. pots	1.25	8.00

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The Noble Horse Chestnut Those who deery the use of the horse chestnut as an ornamental tree, and there are writers who do, should see the grand specimens our lawns display at this season of the year. Trees 50 feet high, broad in proportion, presenting from the ground up large verdant leaves and great panicles of white flowers. No tree on our lawns exceeds the horse chestnut in magnificence; and even after it has flowered it is still one of the most imposing trees in a large collection. It is not every place that suits a horse chestnut. It is of no use to plant it as a street tree. The heat of such a position is against it. It needs being in cool soil, such as that of a lawn usually is, and the air of a lawn is not as hot and dry as that of a street. Green grass covered ground to grow in and a deep soil, and you get the most beautiful of trees.

In this connection may be mentioned the beauty and desirability of the red-flowered horse chestnut, *Aesculus rubicunda*. It is a smaller tree than the common one, *A. hippocastanum*, which our notes have referred to, but a well-formed one, and when in flower it is one of the most admired of trees. *Aesculus rubicunda* was supposed to be a species, the native place of which was uncertain. Some of our older botanics, Wood's for one, make no mention of it as a native tree, while European works mark it "North America." Has any record of it in a wild state been made? Bailey makes it a hybrid between the common horse chestnut and a buckeye, and calls it *Aesculus carnea*.

Mentioning this reminds us to say that the *A. hippocastanum*, universally called European horse chestnut, is, really, a native of Northern Asia, but the name European will stick to it just as English walnut does to the *Juglans regia*, which is not a native of England. The double flowered "European" horse chestnut is a beautiful tree and, as with all double flowers, they are more permanent than single ones. This and all varieties of horse chestnuts are increased by budding or grafting them on the common stock. Seeds of the common one for sowing must be kept in soil from the time they ripen until sown or they quickly spoil.

Varieties of Box Nearly all the varieties of box in cultivation are of the common sempervirens, the others being of Japanese origin. There are of the sempervirens type *rotundifolia*, *deussata*, *myrtifolia*, *Hardwickensis* and a score of others, all well enough in their way and essential in large collections, but after all, what is a better one than the old type itself, *sempervirens*, which usually goes under the name of *arborescens*? Either in its natural form, or as a standard, it is an uncommonly handsome shrub and when given deep soil and enough of moisture at the root the green of its leaves is very cheering. And how it endures city life! All it asks is plenty of moisture and good soil, moisture overhead as well as at the root to keep down red spider, and it will flourish in situations in the city where other evergreens would not live. Box bushes were found suitable for our plantings many years ago, judging by the very fine specimens in many old gardens, and their use is growing in favor and will continue to do so, as their general well doing everywhere becomes more noticed.

Variety of Hibiscus Meehanii The new *Hibiscus syriacus* named Meehanii by the P. J. Berckmans Company is attracting much attention, because of its pretty variegated foliage and its handsome satiny lavender colored flowers. These flowers are single, and when expanded are well set off by the pretty foliage in the background. This variety has been in a few collections for some years, but it is only lately that its value has become more apparent, through the notice given it by the above named firm. The flowers are single, and though of satiny lavender color as a whole, the center is crimson—a good combination.

There is another variegated leaved one in collections called Buist's variegated. It has dark crimson double flowers, but with the singular habit of expanding but half way. No flower opens to its full extent.

The hibiscus family is in much favor with planters, for the reason that it can be planted late in

Spring as it pushes into growth almost the last of all kinds, and then has its period of flowering in late Summer, when almost all other shrubs have done blooming. *Hibiscus althæa* and *Rose of Sharon* are all names under which this shrub goes.

Tree Guards Those who plant trees and fail to place guards around them usually have their work for nothing, referring to street trees or those exposed to the attack of animals or boys. It is really distressing to see young trees in many of our cities, trees set without tree guards; hardly one in a row will be seen in good condition. Either boys will have cut them with knives or hatchets or horses have knawed away the bark.

Because of the great loss of trees in this way florists and others who plant city trees now invariably call attention to the necessity of placing a wire or other kind of guard around them, and offer to furnish them as part of their contract, and they find customers are usually more than willing that guards should be placed around the trees. Such guards can be had of small mesh wire, rust proof, and with a circle of rubber hose or similar material placed at the top to prevent the wire chafing the

specimen, such as seen in photograph reproduced in sturdier growth and for this reason it makes a bush of a harder nature, which we will hope it has.

Hibiscus Syriacus Buist's variegated althæa, or the Buist's Variegated, commonly called, and referred to elsewhere, has long been a favorite with gardeners. There is a beauty of variegation and of growth differing from those of the few other variegated leaved ones known. And then it has the curious habit of never opening fully its dark red double flowers. Some persons say it is prettier with its half opened buds than it would be with them fully expanded, and they may be right, as the half opened flowers, set off by the variegated foliage, are decidedly pretty.

The bush illustrated was photographed just as the flower buds had opened as far as they would, so the general aspect of the bush when at it best can be seen. This althæa was distributed by the late Robert Buist, from his nursery on the Darby Road, Philadelphia, but whether it originated with him is not known.

Not only is this variegated althæa desirable as a



Buist's Variegated Hibiscus Syriacus.

bark of the tree when the latter sways with the wind. If the rubber is not on when the guards are purchased, it is easily adjusted, getting an old greenhouse hose and cutting it to the desired lengths.

Prolonging the Magnolia Display Of the magnolias of the Japanese and Chinese section, from which we get so much enjoyment in early Spring, the *stellata*, *conspicua*, and *Soulangiana* are certainly the best. The *stellata* leads in earliness; next to it are the two others named. Just as all these are over, or are about on the wane, the *Lennei* opens its blooms, and this practically ends the list of the reliable sorts, for *ovata*, or *purpurea*, under which name it is better known, is not reliably hardy.

Lennei is not nearly as well known as it should be. It has large, cup-shaped, rosy red flowers, and these are not all open at once, but appear one after the other for some weeks. This note is written May 29, *Magnolia stellata* has been out of flower for over three weeks, *M. conspicua* for two weeks and *M. Soulangiana* has just disappeared, while *M. Lennei*, though it has perfected the most of its flowers, is still full of blossoms. Nurserymen should get up a better stock of the last named, for all who love magnolias would need it if available.

It is a pity that *M. ovata purpurea* is not hardier. When on an orchard its wood ripens better, and then it is harder than usual, and with age and with hard wood its hardiness increases. The newer one called *Soulangiana nigra*, appears to be much of a *purpurea*, but it has a rather

it is also used to advantage as an edging to beds of shrubs, and even as an ornamental hedge. Owing to its rather liking a close pruning every year it is well fitted for these purposes, soon clothing itself afresh with vigorous shoots full of beautiful variegated leaves.

All althæas are the better for a good pruning every Winter or Spring—Winter if the shoots are wanted for propagation, as the flowers are wholly from the shoots made the same season, so no harm is done no matter how far back the shoots are cut.

Those who have grounds to plant would find credit come to them by planting these variegated althæas, as they stand the sun splendidly, which is what so many variegated shrubs will not do.

The correct name of this shrub is *Hibiscus syriacus*. It has been known as *Althæa frutex*, and its most common name to-day is althæa, although *Rose of Sharon* belongs to it as well.

JOSEPH MEEHAN.

National Flower Show.

New chrysanthemums from the famous hybridists of France have been sent to America to be grown for exhibition at the National Flower Show which will be held at Chicago, November 6 to 15. E. G. Hill of Richmond, Ind., has received consignments of chrysanthemum novelties from Calvat of Greenoble, and Noun of Paris, and more are on the way to him from Rozan-Bouchardat, a famous expert.

GRAFTED ROSES

NOVELTIES

MRS. JARDINE, RHEA REID, QUEEN BEATRICE,
The above, \$6.00 per doz., 60 plants for \$18.00, \$35.00 per 100.
MY MARYLAND, 50c. each, \$5.00 per doz., \$35.00 per 100.
On own roots, 2 1/2 in. pots, \$25.00 per 100, \$2.00 per 10; 3 in. pots, \$5.00 per doz.

STANDARD VARIETIES

Aurora, Bon Silene, Bride, Bridesmaid, Enchanter, Etiole de France, Franz Daegen, Gen. McArthur, Hermosa, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Souv. de Wootton, Wellesley, White Cochet.

GRAFTED, 2 1/2 inch pots, 20c. each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1000.

OWN ROOT ROSES

From 2 1/2 inch pots, repotted from 2-inch. Killarney, Bride, Bridesmaid, Ivory, Richmond, Mme. Abel Chatenay, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000.
From 2 inch pots ready for shipment, \$3.50 per 100, \$30.00 per 1000.

MISCELLANEOUS PLANTS

AGERATUM, Stella Gurney, Princess Pauline, HELIOTROPE.

Rooted cuttings 75c. per 100, \$6.00 per 1000.

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COLEUS

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 80c. per 100; \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

A. N. PIERSON, - CROMWELL, CONN.

Golden Bedder, Hero, Messey, Pearl of Orange, 75c. per 100, \$6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate. Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c. per 100, \$6.00 per 1000. 250, in assortment, our selection, at the 1000 rate.

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Virginia Pochmann, Angelo Laurent, Golden Dome, Milo, Jeanne Rosette, Money Maker, From 2 1/2 in. pots \$2.00 per doz.; \$10.00 per 100.
Mrs. Clay Frick, Zimmers Yellow, Mary Mann, From 2 1/2 in. pots \$1.00 per doz.; \$6.00 per 100.

Rooted Cuttings, \$5.00 per 100.
CHOICE POMPONS, Klondyke, Quinola, CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita, From 2 1/2 in. pots, \$1.00 per doz.

STANDARD VARIETIES

WHITE—Early: George S. Kalb, Polly Rose, Early Snow, October Frost, Mid-Season: Cleopatra, Touset, White Snow, Mrs. H. Robinson, Rentrice, May Morse, Niveus, Alice Byron, Eureka, Miss Minnie Wanamaker, Adella. Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.

PINK—Early: Glory of the Pacific, Roslere, Mid-Season: J. K. Shaw Adela, William H. Buckham, Dr. Enguehard, Morton F. Plant, Late: Maud Deau, The Harriott, Mayor Weaver, Mrs. Jasmea Marshall.

YELLOW—Early: Monrovia, Mid-Season: G. Pletcher, Col. D. Appleton, Late: Major Bonnafeon, H. W. Reiman, Yellow Eaton.

RED—Culligford, Merstman Red, Matchless.

BRONZE YELLOW—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Luis (White), Brioles (Pink), From 2 1/2 inch pots; 5c. each, 80c. per dozen, \$3.00 per 100, \$25.00 per 1000.
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135 Aquilegia Chrysantha .04	315 Hibiscus Crimson Eye .04	20 Polemonium Coeruleum .05
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JOTTINGS FOR FLORISTS

BY EDWIN LONSDALE

Aquilegias commonly called columbines, are now in bloom, and are for the most part very beautiful. They are among the most graceful flowering hardy herbaceous plants we have. When in bloom they seem to dance with joy with every passing breeze. Personally I prefer those varieties having flowers with spurs, such as the native Rocky Mountain species, chrysantha and cerulea and the white type of the former.

One of Burbank's so-called achievements was, by repeated selection, the establishment of a strain of columbines which produced flowers without spurs. A lesson as to what may be accomplished by selection, is taught by what Mr. Burbank has done in that direction, thus by taking away grace and beauty from the flower, instead of striving for something which might add to its charms—a decided case of misdirected endeavor!

All the Rocky Mountain columbines and their variations make excellent pot plants, after they have been allowed to grow large enough outdoors to fill at least a 6-inch pot. They may readily be forced into bloom for Easter in the gentle forcing temperature generally maintained in a carnation house, and may just as easily be retarded for Memorial Day if kept in a cold frame or pit and shaded as occasion requires.

Everybody admires pansies, and for a Spring outdoor display they have few equals and no superiors. It may not be generally known that the foundation for the present numerous distinct types and varieties was laid by a woman, no longer ago than 1810. While it is very much more interesting to have a bed of mixed pansies for general purposes, there are times when in large gardens an effort has to be made for distant effects. There are only a very few among the long list that may be used for that purpose, and those are the whites and yellows, and generally, those with dark-colored "eyes" are to be preferred. Emperor William is also much in evidence where a straight color effect is wanted. It is blue with a darker center. There are two distinct varieties being offered by different seedsmen. The older type, which is of a lighter color, is, to my fancy, the more desirable. The other is a deeper purple, and, possibly, may be considered richer in its coloring. It is certainly darker, but not so telling in the distance.

Lord Beaconsfield is a great favorite with many people; the upper petals are of a lavender shade, while the lower ones are of a rich velvety purple. In my mind's eye an effective way to use this distinct type would be to have it occupying the center of at least three lines, and yellows and whites; one variety on either side. Some plants producing fine flowers among the "fancies" are of a straggling habit. Those of a more compact form of growth are to be preferred as producing neater effects.

Large numbers of rose plants are disposed of to eager patrons on or before Memorial Day for cemetery planting. These plants are the most appropriate for that purpose possibly, and at the same time are frequently the least satisfactory, for the reason that, in many localities in the United States the rose slug, a hungry and translucent larva, that is so destructive to the green tissue of the rose leaves, transforms the rose bushes very soon into what is known as *cycasporionensis*! Powdered white hellebore, applied soon enough, either as a dust or as a liquid when it is mixed with water, will quickly kill the slugs. In order to have the most satisfactory results the insecticide must be applied before the damage is done. Too often the seriousness of the trouble is not noticed until it is too late to save the bushes from their unsightly appearance. This is owing to the intervals occurring between the visits of those who are the most directly interested in the welfare of the plants.

What a boon it would be to all concerned if cemetery superintendents everywhere could see their way clear to assume the responsibility of destroying all insect pests affecting roses and other plants growing in cemeteries, thus, really making "God's acre beautiful."

Your contemporary "Horticulture" says under the heading of Philadelphia for May 16, page 639 * * * "The presence of much mildewed stock of Killarney emphasizes our note of last year in propagating only from outdoor grown stock. Plant no Killarney propagated from indoor stock if you would escape mildew." That sounds quite authoritative, and one would naturally think it is all right. It would be interesting to learn some of the details of propagation recommended, whether from hard wood cuttings or from plants that had been growing outdoors for some years, and in due course brought into a greenhouse and the young growths made under those conditions used for propagating purposes—either for grafting or cuttings—to produce "own-root" plants. If grafting be recommended, is the manetti used as the preferred stock? The manetti has been outdoor grown for nobody knows just how long, and that should be sufficient to give the cion sufficient vigor, one would think. Of course, there might be an added advantage by growing the plants that are to furnish the cions outdoors, also.

There are two distinct methods of grafting that may be used in the production of young rose plants. That in general use nowadays to increase the number of plants to be used for the production of flowers in Winter is to use the selected growths from plants that are being forced for cut flowers at the time the grafting process is in operation, and using stocks that have grown outdoors, but have been potted long enough and have been growing in heat a sufficient length of time to have some root action, thus preparing them for the work that is cut out for them. Another method is to use the dormant wood for cions that has been grown outdoors. It is not necessary for me here to go into all the details of grafting roses and roofing rose cuttings; it is up to the writer of the words quoted to give all the data, so that same may be compared with what is in force in some other places where roses are grown. We have some Killarney roses growing here that have done well, but it is only on a small scale. Our plants were bought and delivered on April 27, 1906. They were not planted until September 12. The reason they were planted so late was because the house they were to occupy was not ready before that date. The contract for building same was not awarded until on or about July 27. Under existing conditions the plants gave an excellent account of themselves during the Winter season of 1906-7. In due course we rooted some cuttings from the growth made indoors, and the old plants were carried over and replanted June 27, 1907, and a portion of the old plants were carried over in a solid bed without replanting. Here were Killarney rose plants treated in three different ways all in one rose house, namely: Old plants without replanting, old plants replanted and young plants on own-roots that had been propagated from growth that had been made under glass—and under all the varying conditions no mildew is to be seen, nor the effects of mildew on the old foliage, as may be observed by examination to-day—May 25, 1908.

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THE NATIONAL FLOWER SHOW, under the auspices of the S. A. F. O. H., will be held at Chicago, November 6 to 15, 1908. William F. Kasting, Buffalo, N. Y., is chairman of the show committee.

Wood Preservation for Horticulturists.

During the coming year the Government will extend its experiments in wood preservation to cover an entirely new field—the work of treating greenhouse timbers.

Decay takes place very rapidly under the conditions of high humidity always found in greenhouses and horticultural buildings. The timber at present employed in the construction of such buildings consists for the most part of the naturally durable and relatively expensive kinds, such as select cypress and white pine. By a preservation treatment other cheaper and less durable species can probably be successfully substituted for them, and this can be done at a low cost.

In the treatment of greenhouse timbers several problems must be solved. For instance, it is desirable that the wood used in greenhouse construction be painted white in order that it will reflect as much light as possible. Consequently, a preservative must be used which will allow the treated timbers to hold a coat of white paint. Again, no preservative can be used which will in any degree affect the growing plants. It is probable, however, that these difficulties can be overcome, and the completion of the investigation will be watched with interest.

The investigations in wood preservation by the use of creosote, which is nothing more than the dead oil of coal tar and of zinc chlorid, is considered of such importance by the Government that one branch of a bureau in the United States Department of Agriculture—the "Office of Wood Preservation" in the Forest Service—is given over entirely to the work of experiments in co-operation with railroad companies, mining corporations and individuals who desire to prolong the life of the timber which they use. Advice and practical assistance are furnished all who request it of the Forester at Washington.

THE AMERICAN PEONY SOCIETY.—The sixth annual meeting of the American Peony Society will be held on June 18 and 19, 1908, at the State College of Agriculture, Cornell University, Ithaca, N. Y.

A. H. FEWKES, Secretary.

Our London Letter.

BY A. HEMSLEY.

THE ROYAL HORTICULTURAL SOCIETY.—At the last meeting some of the large growers did not come out quite so strong as usual; probably this was owing to the fact that just now is a busy time at home, and a fortnight later the great Spring show at the Inner Temple Gardens follows. From all I hear this will be a bigger affair than ever.

I must still repeat that we are short of choice novelties this season. The most useful plant before the floral committee at the last meeting was *Asparagus filicinus*. This came from the gardens of Sir Trevor Lawrence, Bart. It is an Himalayan species introduced by C. Sprenger, and in some respects resembles *Asparagus Sprengeri*, but the branches are produced horizontally from an upright stem, and have a flat spreading fern-like appearance, and the small bell-like flowers hang down. The leaves much resemble those of *A. Sprengeri*. It may be quite hardy, but succeeds best in a cool greenhouse.

RAMBLER ROSES were a great feature. The White Dorothy Perkins is certainly one of the best white Ramblers we have. Messrs. Rochford & Sons exhibited a new double sport from Cant's Blush; it was named Gertrude Rochford, and should prove a valuable addition to this class of roses. Tausend-schön is another which has been well shown by several growers; and I must once more say that *Hawatha* is one of the greatest favorites we have. I have noted some splendid specimens in the market. The new hybrid tea Joseph Lowe has been well shown and it is certainly a fine rose, but I am doubtful if the color is quite what will suit most florists. Yet if some one would give it a start it might come to the front.

IN CARNATIONS I find Marmion is one that is in great demand both by private and trade growers. Blooms of this variety and the pink Malmaison make the highest prices of any carnations on the market; but if *Enchantress* was not so overabundant it would realize better prices for choice work. Florists now go in for Winsor or *Fiancée* as they are seen at every small store.

IVY-LEAVED PELARGONIUMS are being extensively used again this season. As a pot plant we have nothing to equal Galilee; I have noted plants from different growers which make from 15 to 18 shillings per dozen, grown in 5-inch pots, about 15 to 18 inches high, with about a dozen good trusses of bloom on each and plenty of buds to follow. H. Ward sends me blooms of a sport which are of a pretty shade of lavender or mauve; he tells me that he has a stock of about five dozen plants all of which are true to color and equally free as the parent Galilee. From another grower I noted plants which were called the Improved Galilee, the flowers being larger and of a rather more pleasing shade of pink. The old favorite *Madame Crousse* is most extensively grown and holds its own against all new comers. The ivy-leaved and the zonal have, to a great extent, taken the place of the show or decorative varieties.

CLUB AND SOCIETY DOINGS

AMERICAN ASSOCIATION OF NURSERYMEN.—At the annual meeting to be held at Milwaukee, Wis., June 10, 11, and 12, 1908, the following papers will be read and discussed:

How can the Nurseryman best Assist in the Civic Improvement Movement, by J. Horace McFarland, Harrisburg, Pa.

Is it Good Policy on the part of the Nurserymen to send out Cheap Lists at the end of the Season? by J. M. Pitkin, Newark, N. Y.

A few Points on Improvements, by Judge Eugene Stark, Louisiana, Mo.

Semi-Tropical Thoughts for Nurserymen, by H. H. Hume, Glen St. Mary, Fla.

The Great Southwest, by John S. Kerr, Sherman, Tex.

Cost of Growing Stock, by H. L. Bird, Benton Harbor, Mich.

The Pecan, by H. D. Simpson, Vincennes, Ind.

Elements of Success in the Nursery Business, by J. B. Pilkington, Portland, Ore.

List of Desirable Fruits for my State and are Recommended to the Planter, by C. M. Hobbs, Bridgeport, Ind.; J. Van Lindley, Pomona, N. C.; Geo. H. Whiting, Yankton, S. D.; C. J. Maloy, Rochester, N. Y.; A. Willis, Ottawa, Kan.; E. W. Chaffin, Winchester, Tenn.; W. E. Hoikes, Huntsville, Ala.; Peter Youngers, Geneva, Neb.; F. A. Weber, Nursery, Mo.

In addition there is a long list of questions on subjects of great importance to nurserymen.

The committee arranging for the comfort of the members of the American Association of Nurserymen has arranged for accommodations at the Great Northern Hotel, corner Jackson boulevard and Dearborn street, to use that hotel as headquarters for those who may wish to stop off in Chicago en route to Milwaukee. The management would like to receive word from all those who may desire accommodations for overnight.

CARL CROPP, }
BENJ. E. GAGE, } Committee.

MORRIS COUNTY GARDENERS AND FLORISTS' SOCIETY.—The May meeting of this society was devoted to flowering shrubs, and three large groups of the flowers arranged for effect were staged by William Duckham, Arthur Herrington and E. Reagan. The F. & F. nurseries had hardy azaleas in pots, brought by Mr. Ottolander. John Downing, gardener to Dr. McAlpin of Brooklawn Farms, had *Begonia Lorraine*, which had been in continuous bloom five months, to show its possibilities. Arthur Herrington read a paper on "Hardy Shrubs," an able effort, fully appreciated.

At the next meeting Frank Eskesen will read a paper on "Fern Decoration," which will be illustrated by examples from himself and other members. There will also be a display of hardy herbaceous flowers. The schedule for the next flower show (October 29 and 30) is nearly ready. E. R.

OUR READERS' VIEWS

Memorial Day.

Editor Florists' Exchange:

I am glad to notice G. A. R.'s remarks on the improper use of Decoration Day for Memorial Day, which appeared in your last week's issue. Your correspondents in the various cities use the correct name, I see; but many advertisers do not. Decoration Day may mean much the same as Memorial Day; so would Stars and Stripes Day for Flag Day, but Memorial Day is the name, and the right one is what we all want.

G. A. R. No. 2.

A Monument to William Scott.

Editor Florists' Exchange:

As I gazed at the grave of the late William Scott, reflecting upon the various phases of human life, its aspirations, hopes, vanities and the end of it all—death and oblivion—an idea flashed through my mind, which I wish to submit to your kind consideration. Is it not eminently proper that William Scott's numerous friends and admirers everywhere should pay him the last tribute of respect by contributing their mites toward the erection of a monument to his memory?

Mr. Scott was ever ready to lend a helping hand to his brother florists, and by his brilliant pen and his wise utterances did much for the advancement of horticulture, a man who often sacrificed his time and his own interests for the sake of the general benefit to the trade. Surely William Scott deserves some recognition and gratitude at our hands!

The contributions need not necessarily be large, nor the monument elaborate.

A simple stone bearing the words, "To William Scott, from his brother florists of the American Continent," would quite suffice.

Why not do honor to him who so well deserves it? Let us all subscribe our dimes toward the Scott monument fund!

S.

Editor Florists' Exchange:

I was so sorry to read in your issue of May 23 of the death of William Scott of Buffalo. I had known him slightly for some years past in the capacity of judge at flower shows, and I am sure his loss will be felt on both sides of the border. I sympathize with his family.

GEORGE McNAUGHTON.

May-Flowering Tulips.

Editor Florists' Exchange:

I have read Mr. Lonsdale's remarks in reply to my advice to plant the May-flowering tulips. I was certainly under the impression when I read his former remarks in "Jottings" that the Dutch growers were selling inferior bulbs for A No. 1 stock, and so killing "the goose that lays the golden eggs." However, that is their business.

Such places as Girard College and the public parks ought to plant all the tulip varieties, and so educate the public.

Reflections on Current Topics.

Mr. Editor. I feel very much elated at the honor that has come to me in my declining days; for I notice that my alleged meanderings on this subliminary sphere are of its much interest and concern to trade paper correspondents as are the movements of such notables as the drummers and others of that ilk, who find it necessary to journey from home in a business way.

In a periodical noted for the veracity (?) of its representatives, I observe "Phil" of Philadelphia furnishes the following funny foundationless phantasm: "The street asserts that His Grace of York and Job were seen walking arm in arm on Chestnut street." That would indeed have been a high honor—for His Grace—but, I fear, "Phil" was in his usual somnambulistic condition, and is again the victim of a nightmare. The "street," both in Philadelphia and New York, it appears, has to stand sponsor for many of the ravings of that trade paper's reporters, who "see visions and dream dreams."

* * *

Speaking of "His Grace of York," by whom I presume is meant my old friend Edwin Lonsdale, I was greatly delighted to see his signature appearing at the end of a batch of interesting notes, from the Quaker City, in a recent issue of your paper. Now his writings are where they belong—in the leading horticultural trade journal of America. He will there have an appreciative and alert audience, men and women who welcome having placed before them, information beyond the recital of a too previous visitation of the stork, and other old woman gossip of that kind; and who want to read material that will assist them in the conduct of their business. And I venture to say, no man in America is better qualified to provide a horticultural literary feast than friend Lonsdale. The fact that Job has at times crossed swords with him (and may continue to do so) is nothing either to his or Job's discredit. Lonsdale is a foeman worthy of any man's steel; a careful writer, and he is a good opponent who can get the best of him. I congratulate "His Grace" on the wisdom of his selection of a medium in which to present his informative contributions to the horticultural-reading public; and also The Florists' Exchange in being that medium. Long may he wield his facile and instructive pen for your readers' benefit.

* * *

Here comes another old-time friend, Uncle John Thorpe, this time in the rôle of a Job's comforter. It is, indeed, a pleasure to get a cheering and encouraging word once in a while, in an Ismaelitic existence such as mine. *Nil desperandum* is an excellent motto; it has been mine ever since I began the undertaking of keeping the horticultural world straight, and I "never despair" of ultimately accomplishing my object. I can see great progress, even now.

Uncle John says that carnation Van Leeuwen, "whether father or mother, as presented, never ought to appear in the legitimate parentage" of Mrs. Thomas W. Lawson. Then why does it appear as such (and gone so long without contradiction) in that most excellent authoritative book, "The American Carnation," by Charles Willis Ward? I presume there are few men in America better posted on the history of carnations in this country than Mr. Ward; and it seems incredible that he would have so definitely given Van Leeuwen and Daybreak as the parents of Lawson—the former variety the pollen parent, the latter the seed bearer, were the statement not in accordance with the facts! I observe the originator of Van Leeuwen comes to the defence of his introduction in your columns; and I believe others than the raiser of that fine carnation and Dr. Lamborn, already cited by me, will be found who are willing to admit that Tidal Wave and Van Leeuwen are not synonymous sorts. The bulk of the real evidence yet submitted is, I argue, all in favor of Van Leeuwen. It is interesting to note, however, that Uncle John was the raiser of the progenitors of Silver Spray and Tidal Wave, from which strain the Lawson has sprung.

* * *

I see by an item quoted by you from an English horticultural journal that the present day Scotch gardeners are not deteriorating save in their "literary standing." This must be because the best "literateurs" have left their beloved country—a land regarding which Dr. Johnson said the Scotsman was never happier than when his back was turned toward it, or words to that effect—and have emigrated to the United States. Here they undoubtedly turn out articles "clear, terse, illuminating and original," that would rank with the best, either modern or ancient; as witness the unapproachable efforts of Birnie, Cameron, Duncan, the Ginger Jar man, "Traveler" and "others too numerous to mention." Scotland's great loss in this respect has surely been America's gain—or otherwise.

In common with the thousands of readers of the

trade papers throughout the country I was grieved to learn of the passing away of the amiable, talented, big-hearted William Scott of Buffalo. There was not a man of my acquaintance whose friendship I valued and whose ability I admired more than those of William Scott. Gifted far beyond the man ordinarily found among the craft, either as employer or employee, his writings on multitudinous subjects were always perused by me with pleasure and profit, while to know the man personally was to love him as a dear friend. No one familiar with Mr. Scott's career as a contributor to the trade press but greatly admired his extreme loyalty to the periodical to which he latterly transferred his allegiance, and to which in its early struggles he proved such a valuable aid; yet, strange as it seems, one searches in vain in the eulogies of his ability and the other minutie of his life work given in that particular journal, for one word of appreciation or one expression of gratitude for the services he rendered it when these services stood it in great, good stead. Alas for the estimate that some place on loyal, true friendship!

Speaking of Mr. Scott's writings for the trade press, I am glad to see it pointed out by one of your contemporaries that these writings "have been freely plagiarized." William Scott was an originator, those who have followed him along certain lines as instructors of the craft are but imitators, whose dry-as-dust, second-hand effusions lack the sparkle and glow that characterized the masterpieces of which they are but poor copies. The genius of the dead man—his thorough familiarity with every cultural and other detail on which he imparted information shone forth in every line he penned. No wonder then, as your contemporary says, "it is always easy to distinguish between the original and the imitation." Verily, this is an instance where imitation ceases to be flattery. Unlike some of our present-day instructors, too, William Scott knew his limitations; and was never backward to confess his inability to handle a subject, regarding which he had not the necessary knowledge to speak authoritatively. This fact is shown in his "Manual," particularly in the chapter dealing with orchids. He relied mostly on his own experience, rather than on the encyclopedias; and that originality is what made his writings of such great value.

American horticulture will long mourn the demise of her gifted son and able exponent. "Green be the grass above thee."

* * *

The story of the late Jacob Moore, as related recently in your columns, was indeed a sad one. To die in poverty after expending a fortune and working a life-time on horticultural experiments which were the means of giving several improved and profitable varieties of grapes to the world, is a fate sorrowful to contemplate, and makes one wonder why such things could really be. But the reward of the benefactor of the human race through any line of horticultural endeavor seems to be a mighty poor one, at best. Not long ago I read of the closing days of the career of John Claudius Loudon, the talented Scot, who in his generation was one of the most prolific writers on horticultural and landscape gardening subjects, and who probably did more to promote and advance the profession in the British Islands than any other man before or since. I was surprised to learn that Loudon died practically in poverty, leaving nothing to his widow and daughter save his good name, and an interest in his numerous works. After his death Mrs. Loudon began to write those useful volumes with which her name is associated, as a means of livelihood.

Not along the path of a creator of new plants nor of an author of horticultural books, therefore, does the "royal road to fortune" seem to lie. There appears to be, on the one hand, more money in the introducing into commerce of other people's novelties; and, on the other, in purloining material from the published works of others and supplying it to gardening publications at so much a column. Another of life's paradoxes; at least, so it seems to me.

JOB.

W. Atlee Burpee Abroad.

A letter received from Mr. W. Atlee Burpee, dated at Guernsey (Channel Islands), May 16, gives expression to the pleasure he is deriving from his visit to that beautiful island, as also that of Mrs. Burpee and Mr. and Mrs. Hugh Dickson, of Belfast, all of whom have fallen strongly in love with the place. Mr. Burpee says: "Never before have we had pleasanter drives or more charming or better-kept country hotels; never before have I realized to what extent fruits and vegetables were forced for market. To-day we have had delicious fresh figs (almost an orchard under one glass roof), cantaloupes, peaches, strawberries, green peas (best I have ever had in England or America), new potatoes and asparagus."

The Carnation Situation.

Editor Florists' Exchange:

I will again quote Mr. Lonsdale's text from your issue of May 9: "The surplus of carnation flowers is bothering the growers thereof quite a good deal." The "grower" and the "surplus" is plainly the subject under discussion; but in last week's issue of your paper he serenely switches off—in fact, he is a little evasive—leaving the grower and the surplus altogether out of the question and tells us how two firms, one in Philadelphia and another in Pittsburg, both presumably retailers, "dispose of large quantities of flowers," which, of course, they have bought after receiving the orders, and does not enter into the question of surplus at all. Seeing the retailer buys as he goes, the real surplus is something that confronts the grower only. That stroke of business done by the Pittsburg firm may look prodigious to the provincial florist, but it would look rather insignificant in any large center where the surplus is in evidence. Those 800 boxes, presumably sold at Christmas, would each contain, say, 8 roses, or if carnations were used, probably 12 flowers in each box. Of course, this would help, but it would not wipe out the surplus as I saw it in New York this Winter. That St. Valentine's Day sale of 1,200 boxes, each containing probably 50 violets, sent by the boys to the girls or vice versa, seeing it is leap year, is, I allow, "going some" if only for one day in the year, and would certainly, if triplicated, make quite a noticeable hole in the 250,000 violets which is, I believe, the daily average coming into the New York commission district during the height of the crop. Unfortunately, St. Valentine's Day comes only once a year; the violets come every day.

But, like Mr. Lonsdale, I am getting away from the point. Mr. Kift, that Pittsburg firm, or any retailer has a perfect right to advertise their stock at retail prices in the daily papers; it shows energy and enterprise on their part, but I submit that if either the wholesale grower or the wholesale commission dealer were to do the same he would be doing wrong. He would be antagonizing and working against the retailer whose legitimate right it is to disseminate our stock to the masses. The retailer could hardly be expected to buy what the grower or wholesaler had left after supplying the very people who ought to have been his customers.

Just a word about "Decoration Day." I think the term is all right. It is the day we decorate the monuments and graves of those who have "gone before." Their memory we have always with us; we "decorate" once a year. JOHN BIRNIE.

An Editor's Views on "Taffy."

One thing I did learn way down to the core—the folly of that sort of journalism which is based upon handling out taffy. People would come and ask us to give them "a few kind words," and we would forthwith proceed to mention "the beautiful and accomplished Miss Smith" or "our honored and highly respected townsman." I found that the more you handed it out the less they thought of you and the more they expected. When your supply of adjectives ran out, you were a back number. No! No! This "taffy" and all those bouquets of "kind words" simply soften the soul. I would not praise a man unless he did something so worthy that he compelled praise.—H. W. Collingwood, editor of Rural New Yorker.

AMONG THE GROWERS

Andrew McAdams, Chicago.

One of the best known and oldest established retail florists in Chicago is Andrew McAdams, who is located at 316 Fifty-third street, where he has a well-appointed store, and seven large greenhouses in which he grows along palms, ferns, rubbers, crotons and other foliage plants and a widely assorted line of bedding stock. Among the "little of everything," as he describes his line, was seen at the time of my visit some splendidly flowered Cattleya Mossiae, many of the flower stems bearing four or more blooms. He has quite a liberal benching of cattleyas and a few other orchids and finds them convenient stock to carry for his own requirements. He also benches quite a few oranges for their blossoms. One of the features of the establishment just now is the display made by two houses of geraniums, for planting out on orders from his many annual customers. Finer stock would be hard to find anywhere. In one of the houses is a large stock of a new geranium which originated here a few seasons ago. It is of the Bruant type of zonal geranium, and very similar, but the color of the flower trusses is somewhat darker and possesses more of an orange tint. It also has more foliage and is more compact. Another quality, and an important one, is that it never comes blind. It flowers continually, with trusses fully 6 inches across, and when at its best throws three or more such trusses to the plant. It has been planted in the garden front of the Chicago Beach Hotel for the past four Summers, and the management will have no other, so superior for the location has it proved over other varieties tried. Any florist who knows this situation will realize what conditions a bed of geraniums has to meet, but this new variety stands the wind and weather beautifully. It has not yet been named. J. H. PEPPER.

The Foundation of Successful Violet Growing.

BY DR. BEVERLY T. GALLOWAY.

(Concluded from page 714.)

Diseases and Insects.

The violet, like other crops under glass, has its troubles; in fact, it is generally believed that the violet has more than its share of difficulties of this kind. Taking up the diseases in the order of their importance, we will call attention to one which is familiar to every florist who has attempted to grow the crop, namely, the so-called spot. The spot disease is no longer a mystery, as it has been proved to be due to a fungus, the spores or reproductive bodies of which are nearly always to be found in the air of violet houses, only waiting the proper condition of the plant to infect the foliage. There is very little to be feared from spot if proper precautions are taken to keep the plants in health. It is a comparatively simple matter to produce this disease by artificial methods. Without entering into a detailed description of the life history and general work of the fungus, the whole matter of prevention has already been summed up by me, and I may be pardoned for repeating it here, as follows: "Keep the plants, at all times, in a healthy growing condition; rigidly destroy all diseased parts of the plants; never apply water to the leaves in such a way that they cannot dry in from four to five hours; keep the leaves free from dew; and avoid fumigation with tobacco, or if tobacco is used, make the smoke as light as possible." The question of keeping the leaves of the plant dry at certain seasons is of the highest importance. From the middle of August until from the first to the middle of October is the critical time for spot. This is when the crowns are growing rapidly, and the foliage is thick. Syringing should always be done at this season of the year on days when it is certain the leaves will dry off before night. Heavy fumigation with tobacco is absolutely certain to produce spot. It produces the disease by so weakening the plant that the fungus has an opportunity to invade the tissues. In this connection I may call attention to a simple experiment which shows how important it is to keep the plants surrounded by healthful conditions. As already stated, we can produce spot at will by spraying the foliage with water in which the spores or reproductive bodies have been placed. Now, if we spray the leaves of an ordinary plant out in the open and the plant soon dries off, there is no infection. If, however, we cover the plant with a bell-jar the air within this bell-jar becomes saturated and the leaves are covered with moisture. Within from 36 to 48 hours after such a plant has been

sprayed with water containing the fungus spores, the minute spots begin to show; in two or three days more the spots are quite prominent, then if the bell-jar is removed a whitish appearance develops, indicating that the fungus has been checked by the drying off of the plant. Within another few days the plant is speckled and spotted with a beautiful case of the disease. The foliage is now all trimmed off down to the base of the crown and a new set of leaves are allowed to grow. When these have fully formed, a second inoculation is made in the same way as before. The leaves are again cut off and allowed to grow and a third inoculation is made. The leaves are again cut off, but after this it will not be necessary to make any inoculation or even to cover the plants with the bell-jar, as the spores, always present within the house, will continue the inoculating process and the plant will become infected just as fast as the leaves appear. In other words, by this continued treatment, the plant has been weakened or it has been made to develop certain conditions which make infection constant. The same thing can be accomplished in a whole house of violet plants by improper treatment either through fumigation methods, watering, or improper ventilation.

The next disease to which attention should be called is one we have named stem-rot. This is the



New Zonal Geranium.

Grower, A. McAdams, Chicago.

malady which usually starts in the cutting bench, through the use of sand containing organic matter. At first the trouble is confined mainly to the young roots, but gradually it works up to the stem. At first there may be only a very small black speck, not larger than the point of a pin. This minute speck contains the fungus, however, and if this particular cutting is placed in the bed, the fungus will continue to grow as the plant grows. No evidence of the disease appears until pretty well along in the Summer when the plant becomes of considerable size and the demand for moisture on the roots is excessive. It will then be found that the plant is wilting during the heat of the day. Matters will go on in this way for two or three weeks until eventually the plant utterly collapses and dies. I have seen houses in which from 10 to 20 per cent. of the plants will die off in this manner. The disease may be in large measure prevented by proper selection of cuttings, rigid attention to the propagating bench, and avoidance of the planting out in the beds of any plants which show signs of the trouble.

A disease sometimes found on violet foliage when the plants have been improperly handled is known as edema or wart disease. This is a dropsical-like trouble that may be brought about by over-watering and by too dense shading of the plants. The tissues of the plant become gorged with water, and the foods not being properly assimilated, physiological conditions arise which result in the production of wart-like growths wherever there is any break or puncture. The bites of red spiders, the punctures of aphides, or even the breaking of the leaves through the handling of the plant, result in the formation of large wart-like growths. Proper at-

tention to light, ventilation and watering will avoid all these difficulties.

A disease very common in violet houses at certain seasons of the year is produced by another fungus known as botrytis. This botrytis induces a soft rot of the foliage, and sometimes a whole crown may be seriously injured. Over-watering, excessive wetting of the foliage, drips or leaks in the roof, improper cleaning of the bed, and failure to remove all dead or decaying foliage are apt to bring on this trouble, especially in damp cool weather.

Another malady similar to the foregoing, but produced in a different way, manifests itself on the edges of the leaves of the plants, which die and turn white. This trouble may be induced by a number of causes. Excessive use of fertilizers, excessive use of cold water on the roots, improper ventilation of the soil, proximity of a cold outside wall—all these things may check the root development and in consequence the edges of the foliage not being properly nourished will first wilt and then eventually die. The injury has always taken place a long time before it ordinarily becomes manifest. The statements made regarding the causes suggest the methods of prevention, namely, the avoidance of the conditions indicated.

Under the head of diseases we would now mention the so-called root gall or nematodes. This disease is produced by a minute microscopic worm which infests the roots, producing the galls. The nematodes live in the soil, and to have the plants free from them, the soil must be properly handled. Nematodes are not usually very injurious to the violet where the Winters are cold and where the soil can be frozen. It is in the more southern regions that the nematode is likely to prove dangerous. The freezing of the soil, as already pointed out, will prevent serious trouble from the pest. We have used sterilized soil, producing the sterilization with steam. On the whole, however, I do not consider it necessary to adopt this somewhat expensive process where the soil can be properly handled, as already explained.

Insects and Other Pests.

One of the most troublesome insects that attack the violet is the ordinary red spider. There is little use in attempting to destroy the spider after the plants are once badly infested—better by far throw the plants away. The whole matter of combating this pest may be summed up in one word—prevention. Prevent the cuttings from becoming infested, prevent the young plants, when set into the beds, from becoming attacked, and finally, see to it that the spiders are not allowed to obtain a foothold at any time upon the growing stock. Syringing is about the only safeguard. Where sufficient water pressure is not at hand, it is best to use a spray pump. We have devised a comparatively simple nozzle for spraying plants—one that will give a wide fan-shaped spray which will easily turn over the leaves, knock the spiders off and yet produce no injury to the crown. This nozzle may be attached to a three-quarter-inch hose, and if the pressure is over 30 pounds, it is all that is required. The fight against the red spider must be persistently kept up, as after the plants attain considerable size, say about the latter part of August, it is not practicable to treat them longer. When it is not found practicable to use water, as in the case of young cuttings or large crowns, which are badly infested, Ivory soap will be found a very effective remedy. A five-cent bar of this soap dissolved in three or four gallons of hot water makes a solution that is immediately destructive to the spider. The solution should be put on with the spraying nozzle and then washed off in about an hour.

There are other insect pests to which I will briefly refer. I will not pause, however, to discuss these in detail. These insects may be enumerated under the general head of cut-worms, saw-flies, gall-fly maggots, and leaf-cutting larvae of various kinds. Up to a few years ago aphides, both green and brown, were a serious drawback to violet culture. Thanks to the introduction of the cyanide treatment these are no longer to be feared. Cyanide gas, as is well known, is made by combining potassium cyanide, 98 per cent. pure, with commercial sulphuric acid. In the old practice it was usual to figure on about 0.15 of a gram (one gram equals 15½ grains avoirdupois) of 98 per cent. potassium for each cubic foot of space in the house. Now it is the common practice to use milder doses and to allow the gas to remain in the house all night. The quantity is a matter of experiment. For a house 12 feet wide, 150 feet long, 7 feet to the ridge, and 3 feet on the sides, we have used from three to four ounces of the cyanide, allowing the gas generated therefrom to remain in the entire night. So much has been written and published regarding the

method of generating and using this gas that it is not necessary for me to enter upon further details here.

Business Methods.

I cannot close this somewhat general talk on the subject of violet growing without reference to the business practices connected therewith. A man may be ever so successful in producing the flowers and furthermore, may be able to ward off diseases and insects and other troubles, but without ability to understand and apply good business practices to the handling of his crop, he will not be able to make very much of a success.

Violets, as a rule, are sold in bunches and the manner in which the flowers are picked, handled and bunched is highly important in the matter of getting them into the market. A violet is not a violet unless it is sweet. Tens of thousands of bunches of this beautiful flower, however, are sold which have no claim for being called violets except in color and general appearance. They lost their sweetness, and in consequence their best characteristic, largely by improper methods of handling. It is a great advantage to the violet grower if he is so situated that he can gather his flowers early in the morning so that they will be put on the market the same day. To gather them at night and get them into the market the following day will, in a measure, provide for a freshness, but much of the odor will be lost. Care and attention, therefore, in the gathering, bunching, packing, etc., is of the highest importance. Where the violets are shipped any distance it is very desirable to have special packing cases made in order that they may reach their destination in good shape.

Speaking generally, the violet, if properly grown, properly handled and properly marketed, will yield as good returns per square foot of space occupied as quite a number of other florist crops. The returns will not be so large as for roses nor for carnations, but they will be sufficient to enable one to make a respectable living and also something in addition.

A Double-Calyxed Carnation.

Editor Florists' Exchange:

The illustrations herewith show a red carnation seedling, which made its appearance with me some time ago. It has a duplex calyx and flower, and perhaps may interest my brother florists and carnation breeders. In my twenty-five years' experience in growing and breeding the carnation, I never before have seen or heard of one being produced like this. Perhaps others may have done so; if so, I hope this will bring out more about this class of flower.

Let it be a freak or not, Nature produces some wonderful things. I will give you a description of this carnation as follows: The size across under the petals is 4½ inches, which covers the outer line of the carnation measuring card. The photos are very poor and do not do justice in showing the flower to advantage. The make-up of the bloom is not over-crowded with petals; it has 99 of them, a full center, round, fringed like a double poppy; measurement over the top of flower 7½ inches. The depth of the bloom is 3 inches, stem 2½ inches in length; outside calyx 1x1¼ inches, inside calyx ¾x1¼ inches. The lower half of the stem is as thick as an ordinary lead pencil, the upper half stiff and wiry to hold the flower gracefully. One peculiar fact in connection with the calyx is that the stamens come out of the inside calyx and the anthers out of the outside one. The inner calyx is not visible at any time, neither when the flower is opening nor when it is fully developed. The inner calyx prevents this extra large bloom bursting. The flower, with stem, weighs 2½ ounces, more than double the weight, also the number of petals of the ordinary large carnation.

W. E. HALL.

Clyde, O.

A NEW VARIETY OF ROSA WICHURIANA. A novelty of the present year, that actually flowers freely twice in the year, is Frau Alb. Hochstrasser, which received the second prize at the rose show held at Mannheim, on September 28, last year, the exhibitor being Christoph Weigand of Soden in the Taunus. The plant does not flower as do others, by showing a few blooms at the second time, but the plant produces on new buds numerous blooms sometimes to the number of 200 on a plant in September and October. As will be understood by the second time of flowering the harvest of bloom is smaller than by the first, but the color, white with a pinkish tinge on the central petals, is perfect, judging by the illustration in Die Gartenwelt for April 18. The bloom is double, and of a breadth of three inches. Other climbing roses at the period mentioned are completely destitute of flowers. The cultivator must naturally remove all

the seed vessels after the first flowering. The plant is now being sent out, and at an enhanced price since receiving the second prize as the best German novelty and in commerce. Horticultural Trade Journal, Eng.

The Immunity of the Japanese Chestnut to the Bark Disease.

BY HAVIN MELFALE, PATHOLOGIST IN CHARGE OF THE LABORATORY OF FOREST PATHOLOGY.

The bark disease of the chestnut, caused by the fungus *Diaporthe parasitica* Murrill, has spread rapidly from Long Island, where it was first observed, and is now reported from Connecticut, Massachusetts, Vermont, New York as far north as Poughkeepsie, New Jersey, Pennsylvania, and possibly Delaware. It is no exaggeration to say that it is at present the most threatening forest-tree disease in America. Unless something now unforeseen occurs to check its spread, the complete destruction of the chestnut orchards and forests of the country, or at least of the Atlantic States, is only a question of a few years' time.

An Immune Variety.

Observations made by the writer during the past year indicate that all varieties and species of the genus *Castanea* are subject to the disease except the Japanese varieties (*Castanea crenata* Sieb. and Zucc.). All of the latter that have been observed in the field or tested by inoculations have been



Stems of Hall's Double-Calyxed Carnation.



Hall's Double-Calyxed Carnation.

found immune. This fact can hardly fail to be of fundamental importance to the future of chestnut culture. Although the nuts are distinctly inferior in flavor to the European varieties, such as Paragon, the Japanese chestnut is already grown on a large scale as a nut-producing tree. There are, however, many trade varieties of dubious origin. Some of these may prove later to be subject to the disease. Immunity tests of all known varieties of chestnuts have been undertaken.

Attempts will also be made to hybridize the Japanese with American and European varieties, with the hope of combining the immunity of the former with the desirable qualities of the latter.

However excellent as a nut and ornamental tree, the value of the Japanese chestnut as a forest tree is doubtful. It can be recommended only experimentally at present for forest planting. It certainly will not take the place of the American chestnut. The tree is said to attain a height of 50 or 60 feet in Japan. As seen in this country it is a handsome tree, dwarfish and compact in habit, and rather slow growing. It has hardly had time to show how large it can grow.

The immunity of the Japanese chestnut, together with the fact that it was first introduced and cultivated on Long Island and in the very locality from which the disease appears to have spread, suggests the interesting hypothesis that the disease was introduced from Japan. So far, however, no facts have been adduced to substantiate this view.—Bulletin 121, Bureau of Plant Industry, U. S. Department of Agriculture.

WORKMEN WHERE CAN WE FIND THEM? The only way in which America can rise to the situation is to give similar industrial training to her rising generations, beginning it at the earliest age at which the child can hold tools and throwing the door of industrial opportunity wide to every one of her sons, says American Industries. Right at our hand is an opportunity to raise up more and better mechanics than the apprenticeship system, even in its best estate, ever furnished. Let every boy from the age of nine or ten to fourteen give an hour every school day to the use of tools employed in the more important mechanical trades, under competent instructors. Thus we will get more and better mechanics than the old apprenticeship system ever gave us. We will have new supplies of skilled workers at home instead of having to look for them among our immigrants, and being of our own household they will know our tastes and needs better than aliens.

It would, we think, be an advantage to the horticultural profession, if even a fairly large percentage of the youths taught in our schools such subjects as nature study and gardening would look to horticulture as a means of livelihood, but so far few, if any, candidates in this respect have been evolved. [Ed. F. E.]

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIERE, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK GLOBAL CO., 1706 Broadway, J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of reasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of reasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

MYER, 611 Madison Ave. My facilities for delivering flowers for any and all occasions are unequalled. Can give prompt service to steamer and theatre trade. Telegraphic orders solicited. Telephone, 5297 Plaza.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

FOR THE RETAILER

[All questions relating to the Retail Trade will be cheerfully answered in this column. We solicit good, sharp photographs of made-up work, decorations, store interiors, etc., for reproduction here.—Ed. F. E.]

A Memorial Day Window Decoration.

The accompanying illustration shows one of the store windows of H. R. Hughes, florist, 690 West Van Buren street, Chicago, decorated for Memorial Day. In connection with this occasion Mr. Hughes has distributed to his customers an illustrated folder, bearing the significant title "A Flower for Memory's Sake," the full text of which is as follows:

To my way of thinking, there is no holiday more deserving of observance than Memorial Day. We Americans are a busy people, but for the sake of those who were once our friends and relatives we can well afford to give up one day in the year to prove to ourselves that we have not forgotten them.

Particularly do I believe this custom should be impressed upon our children. If we would have them remember us when we are gone, we should show them by example that we have not forgotten those who have preceded us. Besides, when we fail to honor the dead who have been dear to us, it is but one more step to cease to honor the living.

In this respect the Japanese, and the Chinese especially, can teach us a helpful lesson in reverence. No Chinaman is too rich nor too poor to forget to lay a few blossoms frequently on the sepulchre of his forefathers.

We really owe our Memorial Day to the Southerners. When the war was over in the South in 1865, the widows, mothers and children of the dead soldiers gathered flowers and scattered them over their graves. In doing this they also included the graves of Northern soldiers who had fallen in the South and were buried there. When the news of these beautiful acts of courtesy reached the North, it touched the hearts of the people and did much to dispel the sectional feeling that the war had caused, while the example was followed in every community.

It was not until 1868, however, that any particular date was chosen for floral decoration. In that year General John A. Logan, Commander-in-chief of the Grand Army of the Republic, ordered that every Post in the country should engage in fitting ceremonies and scatter tokens of respect over the graves of dead comrades. Later, legislatures took it up, and now almost every State in the Union observes May 30 of each year as a day to express our love and respect, not only for our dead war heroes, but for every loved one who has gone before.

Observance of the day need not mean lavish decoration. It is not what we do but what we feel that measures the tribute; a single blossom dropped on the grave of one who once loved us proves to oneself that he is not ungrateful.

This is the history of Memorial Day in America, but we are by no means the first people to thus honor the dead. The custom of offering floral tributes has prevailed among almost every nation of any civilization since the earliest times.

Among the Greeks and Romans flowers were intimately associated with the honors paid to the dead. It was a universal custom for the relatives and friends of one who was dead to carry wreaths of flowers to the house or place of burial, and after interment the grave was kept constantly decorated with blossoms. Moreover, the springing of flowers from the tomb was welcomed as an assurance that the departed one was in happiness. Even the stern and warlike Romans were strict in floral observance of their Parentalia, which was analogous to our Memorial Day. For long years after death, friends and relatives of those deceased continued to decorate the graves of those departed. Marc Antony, dying, begged to have roses scattered over his tomb, and Ovid, the poet, writing from the land of his exile, prayed his wife to offer over his grave chaplets of flowers wet with her tears.

From the scene illustrated is a reproduction of the monument of General Sheridan which stands in Arlington Cemetery. This cemetery is located at Arlington, Va., just across the Potomac River from Washington. It is the resting place of thousands and thousands of Civil War veterans, both Union and Confederate. It covers the estate once owned by "Light Horse Harry" Lee, of Revolutionary fame, and is where Gen. Robert E. Lee spent his youth.

How to Build a Shower Bouquet.

The above information has been asked for by a subscriber to this paper, and while there are no hard and fast rules for making a bouquet, a few practical hints may prove useful.

Shower bouquets may be used for any or every occasion, but they are more generally carried by the bride, although we frequently receive orders where they are to be carried both by the bride and her bridesmaids, and not infrequently by debutantes and the graduate. The lily of the valley bouquet is perhaps the most popular for the bride; they are made entirely of that flower in most cases, but the introduction of pure white orchids, gardenias, or orange blossoms adds to the beauty of the bouquet, and incidentally to the cost, which is seldom a consideration in bridal bouquets. I find from 150 to 200 sprays of lily of the valley are sufficient for the bouquet itself, while from 50 to 75 will



Memorial Day Window Decoration of H. R. Hughes, Chicago.

make an effective shower. Where other flowers are to be employed the quantity of lily of the valley used will be correspondingly less.

Preparation of the Flowers.

It is necessary to stem or wire all the flowers for shower bouquet work. Number 22 wire is usually heavy enough for this purpose. Three or four sprays of lily of the valley and one or two leaves should be wired together, to form little bunches; enough wire must be left on the end to form the handle after all is bound together. The flowers should be kept well above the leaves while stemming, as the finished bouquet should be as white as possible. If the stemming is properly done, it should not be necessary to use other green to keep the flowers apart, as the additional foliage will only add to the weight.

After the flowers are all stemmed, the style of bouquet to be made must be decided—the "all round" or conical, "half round" or sloping, and the "Empire," which is an exaggerated form of the sloping bouquet, and not unlike a large "bouquet de corsage" with the addition of the shower.

The Construction of the Bouquet.

The flowers now being ready the building of the bouquet commences. Strong green thread or "florist's twine" is best to tie with, and the less used the better. A good method is to gather up the flowers and commence to form the bouquet before using any twine, and then use it very sparingly. The whole body of the bouquet can be finished with a half dozen windings.

When the stemmed flowers are used up, and the bouquet is of sufficient size, a fringe of fancy ferns should be added; this is to cover up all wires and only sufficient should be used for this purpose. Then comes the final embellishment. Maidenhair fern, Adiantum Farleyense, or Asparagus plumosus is the best for this purpose, and should be used generously so that none of the common fern will

show when the bouquet is finished. This should be wound tightly, so as to form a slim tapering handle.

The Shower.

The bouquet is now ready for showering. Narrow ribbon, or gauze, number 1 1-2 or 2, is generally used; twenty to thirty yards will be necessary for a good shower. This may be attached in two ways. Possibly the easier way is to take the end of the bolt of ribbon and form a number of loops, until the bolt is used up, the loops being about four feet in length; then fasten the ends remaining in the hand with a stout wire, leaving a long end. This is inserted into the body of the bouquet, and fastened at the handle, the other two bolts being treated in a similar manner. The loops should now be cut at the ends; the lengths being allowed to vary a little. They are then distributed around the front of the bouquet so that no two ends hang together. Now tie two or three loops in each ribbon, but leave enough space in the loop to insert the sprays of lily of the valley. It is simpler to tie all the loops first, as this lessens the danger of getting the shower tangled up. After they are finished, take one or two sprays of lily of the valley with about an inch of stem below the flowers, and insert through the loops so that the sprays will hang gracefully. A small piece of adiantum is often used, and I think it is an improvement; being easily fastened by pulling the loop taut.

The length of the shower is governed by the height of the bride, but it is better to have it a little short than too long. The bouquet is now nearly complete, except for the handle; this must be thoroughly dried off, and then well wrapped with tinfoil to keep the moisture from coming through. Over this is wound white silk ribbon; or a "kid" is sometimes used. These may be obtained from the florists' supply men, and are very neat and handy. It now only remains to tie a broad sash of white silk ribbon on the handle. A single bow, with good generous loops, and ends about the same length as the shower, gives an effective finish.

D. RAYBUN.

CONNECTICUT HORTICULTURAL SOCIETY.—The regular meeting of this society was held in County building, May 22, President Huss in the chair. It was "pansy night" and the numbers surely did themselves proud, as the display was by far the best ever offered in this locality and the attendance so large that there was barely standing room in the hall. P. Zuger, H. A. Pinney and Carl Peterson were appointed judges and the awards were as follows: T. B. Brown, for culture of pansies, diploma; John Gerard and O. F. Grizmacher, for collection of pansies, certificate of merit each; J. F. Huss, Amos Reynolds and E. F. McDermott received a hearty vote of thanks for their exhibits. The event of the evening was a paper read by John Gerard on "The History and Culture of the Pansy," giving the origin and history of the various families, and describing in a most entertaining way the improvement of this popular Spring flower. Mr. Gerard is making an

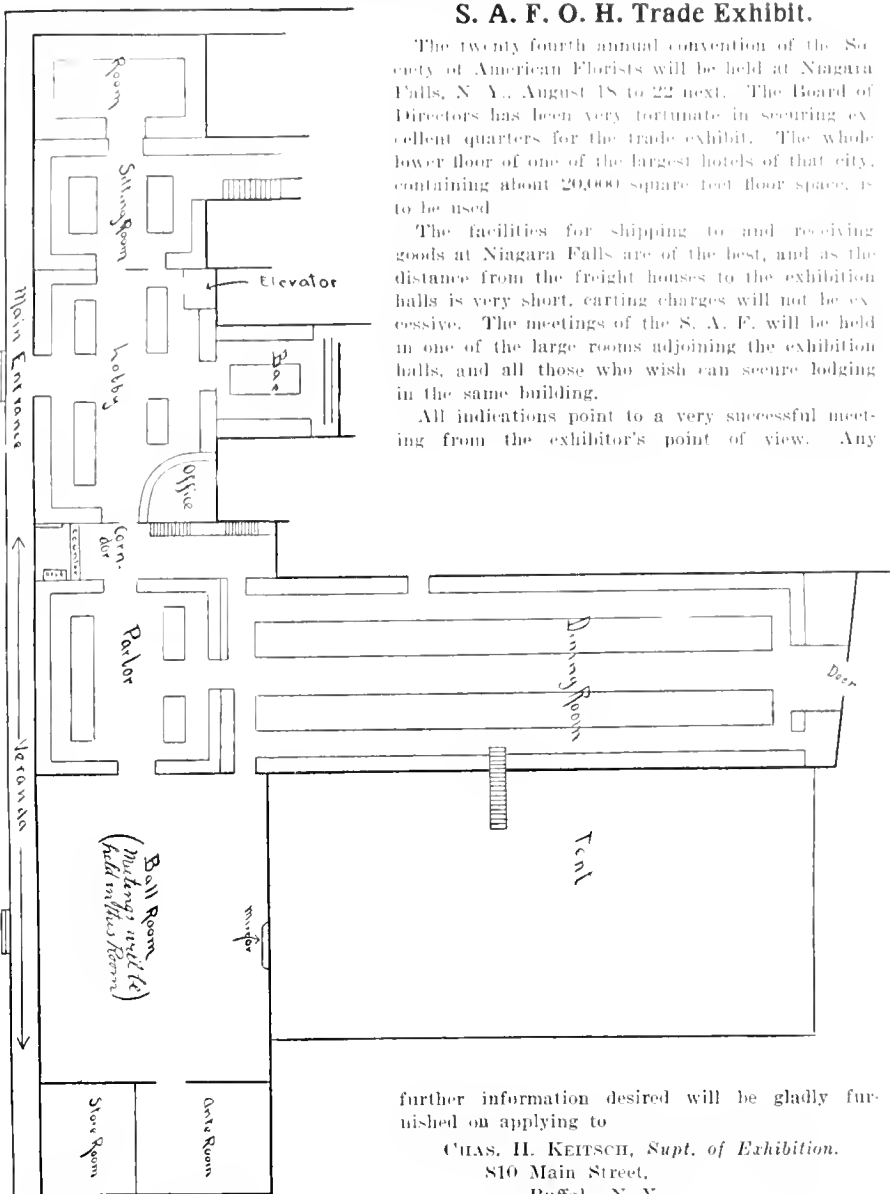
enviable record as a pansy specialist and in the course of his remarks gave many cultural hints which were highly appreciated by the members. The show was not entirely confined to pansies; a magnificent display of gloxinias was tabled by J. Chambers, gardener to the Rev. F. Goodwin. This exhibit gave every evidence of cultural skill and

S. A. F. O. H. Trade Exhibit.

The twenty fourth annual convention of the Society of American Florists will be held at Niagara Falls, N. Y., August 18 to 22 next. The Board of Directors has been very fortunate in securing excellent quarters for the trade exhibit. The whole lower floor of one of the largest hotels of that city, containing about 20,000 square feet floor space, is to be used.

The facilities for shipping to and receiving goods at Niagara Falls are of the best, and as the distance from the freight houses to the exhibition halls is very short, carting charges will not be excessive. The meetings of the S. A. F. will be held in one of the large rooms adjoining the exhibition halls, and all those who wish can secure lodging in the same building.

All indications point to a very successful meeting from the exhibitor's point of view. Any

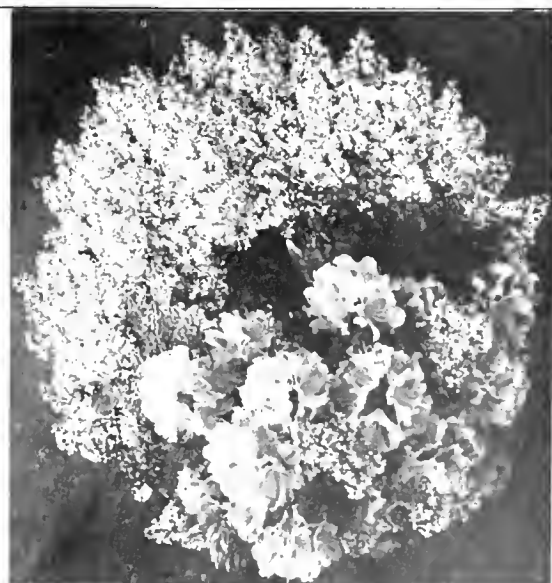


further information desired will be gladly furnished on applying to

CHAS. H. KELTSCH, Supt. of Exhibition,
810 Main Street,
Buffalo, N. Y.

Diagram of Space for S. A. F. O. H. Trade Exhibit, Cataract House, Niagara Falls, N. Y., Aug. 18-22, 1908.

it was the opinion of members present that these were the finest gloxinias ever exhibited in this locality. Mr. Chambers was awarded a certificate of merit. P. Zuger represented the Park Department with a display of *Silene pendula*, which is being used most effectively for Spring bedding in the various parks. A. C., Jr.



Floral Designs at Funeral of William Scott.

Courtesy of W. J. Palmer & Son, Buffalo, N. Y.

PLANTS FOR 2cts.

Swainsona alba, 2 in., 2c. Feverfew, Heliotrope, Cuphea, Coleus, White Ageratum, 2 in., 2c. FEVERFEW, double white, nice young plants, 75c. per 100. Vinca var.; Alternanthera, red and yellow; Stock Princess, Alice, 2 in., 2c. PANSY PLANTS, in bud, \$3.00 per 1000. STEVIA, dwarf, 2 in., 2c. DUSTY MILLER, 2 in., 2c. FUCHSIAS, 8 kinds, 2 in., 1 1/2c. SWEET ALYSSUM, single dwarf, 2 in., 1 1/2c. IVY GERANIUMS, 2 in., 2 1/2c. ROSE GERANIUMS, 2 in., 1 1/2c. GERANIUMS, 5 new kinds, 2 in., 2c. SHASTA DAISIES, California, Alaska, 2 1/2 in., 2c. DOUBLE PETUNIAS, 5 kinds, 2 in., 1 1/2c. THUNBERGIA, 2 in., 1 1/2c.

Rooted Cuttings

Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c. Vinca Variegata, 2 in., Paris Daisy, yellow and white, \$1.00, Alexandra, \$1.25. Flowering Begonias, \$1.25. Coleus, 10 kinds, 60c. Ageratum, Umbellifer, white, 60c.; Alternanthera, 3 kinds, 50c.; Salvia, Bombo, 90c.

BYER BROS., CHAMBERSBURG, PA.

A FEW GOOD THINGS YOU WANT

Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100. Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in., \$3.00 per 100. ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100. Dracaena indivisa, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100. FERNS, Scottia, 5 in., 30c. each. GERANIUMS, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., \$1.25 per 100; 100 plants, 2 in., \$2.00; 3 in., \$4.00 per 100. Tregoe, Castellane, Viand, Jaulin, Poitevine, R. C., \$1.50 per 100; 100 plants, 2 in., \$2.50; 3 in., \$5.00 per 100. Mme. Salleron, 2 in., \$2.00 per 100. VINCA VAR., 2 in., \$2.00 per 100. Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co's properly packed in good order. GLADIOLUS BULBS, mostly light colors, \$1.00 per 100. REX BEGONIAS, 2 in., \$5.00 per 100. COLEUS; CIGAR PLANT; VERBENA; HELIOTROPE; SCARLET SAGE, Bonfere; 2 in. pots, \$2.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

SMILAX, from 2 1/4 in., \$2.00 per 100; \$18.00 per 1000. SMILAX seedlings, 50c. per 100; \$4.50 per 1000. ASPARAGUS Sprengeri, 4 in., \$6.00 per 100. CHRYSANTHEMUMS, nice stock, from 2 1/4 in. Polly Rose, Glory of the Pacific, Ivory, Appleton, BonnaFon, \$2.50 per 100; \$22.00 per 1000. GERANIUMS, S. A. Nutt, Grant, 3 in., \$3.50 per 100.

C. A. Peterson, 196 MAIN STREET MADISON, N. J.

ASPARAGUS, BOSTONS

Plumosus Nanus, 2 1/2 in., \$4.50 per 100, \$49.00 per 1000; 3 in., 7c.; 3 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. Comorensis, 12 in., 4c.; 3 1/2 in., 10c. Sprengeri, 2 1/2 in., 4c.; 3 1/2 in., 5c.; 4 in., 10c. Bostons, 2 1/2 in., 4c.; 3 in., 5c. Phones, Bell, Forest 143, Kimbrough, Delmar 474 L. Greenhouses at Hayton, Mo.

J. W. DUNFORD Kings Highway and Page Bldg., St. Louis, Mo.

ASPARAGUS Plumosus and Sprengeri, strong plants, 2 in., \$2.25 per 100.

ENGLISH IVY, 2 and 2 1/2 in. pots, strong, \$2.00; R. C., 75c. per 100. GERANIUMS, double red, \$1.75 per 100. ARAUCARIAS, 20 in., four tiers, \$1.00. CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

J. H. DANN & SON, Westfield, N. Y.

VERBENAS

Strong plants in flats, \$1.00 per 100. VERBENA out of 2 in. pots, \$2.00 per 100. LOBELIA out of 2 in. pots, \$2.00 per 100. Single PETUNIA, 2 in., \$2.50 per 100. AGERATUM, 2 1/2 in., \$2.50 per 100. VINCA Variegata, 2 in., \$2.00 per 100. TRADESCANTIA rosea, 2 1/2 in., \$2.50 per 100. All healthy well grown stock.

J. W. ADAMS & CO., Springfield, Mass.

BEDDING PLANTS

GERANIUMS Per 100 S. A. Nutt, 3 in., \$5.00 S. A. Nutt, 2 in., \$4.00 Double Gen. Grant, 4 in., \$5.00 Mme. Salleron, 2 in., \$2.00

Cash with order Robert A. Elliott, - Morristown, N. J.

Philadelphia. Pennsylvania Horticultural Society.

At the May meeting of this society, after the reading of the minutes, George C. Watson asked for a correction of the spelling of the appendage to Sander & Sons' form of Cypripedium Curtisii. The correction asked for was from nobilio to nobilior. Mr. Watson stated that he secured the information from Messrs. Sander's representative when on a visit to New York recently. After this satisfactory explanation, the correction was on motion agreed to.

A committee was appointed to make the necessary arrangements for the date of the peony, rose and sweet pea shows. If it was deemed expedient to hold all of them on the same date at the same time, the committee had the power to do so. The dates for these several shows have to be movable, because the seasons hereabouts vary in their earliness or lateness. If it is expedient to hold them all at the same time, the show will be that much more interesting to the members and their friends. The public is admitted free.

Mr. Watson made a motion that it was the sense of the meeting that the committee on awards, when examining the exhibits, give preference to hold all of them on the same date at the same time, the committee had the power to do so. The dates for these several shows have to be movable, because the seasons hereabouts vary in their earliness or lateness. If it is expedient to hold them all at the same time, the show will be that much more interesting to the members and their friends. The public is admitted free.

Incidentally it transpired during the discussion that in some societies, where the nomenclature is proven defective in an exhibit the committee on arrangements unceremoniously disqualifies same and that proceeding has a very salutary effect, because an exhibition of plants and flowers ought to be nothing if not educational to the public in nomenclature. It takes courage to carry out those high principles, but the effect is wonderfully beneficial to all concerned. One member stated that he had known of instances, where, in planting peonies, in order to secure the greater effect at the time of flowering, three roots of a given variety were planted together in a group; all three when they came into flower proved to be distinct from each other. This brings us to the reliability of the disseminators of stock that is dormant when delivered and is bought on faith alone. The only way to advance horticulture as it is entitled to, is to keep faith with the patrons thereof; a thoroughly satisfied customer is a customer for ever for the influence thus created never dies.

In the case of some plants experts and many others can see at a glance what the correct names are generally understood to be, but as regards peonies and some other plants they are collected together to fill an order, when they are quite dormant, or kept in cold storage, and there is nothing but the label to indicate what the name is supposed to be, and this is why so much confusion in the nomenclature of peonies exists.

In the collection of cut flowers on exhibition many were hardy herbaceous plants. The most imposing display was that made by Samuel Batchelor, gardener for Clement M. Newbold, Esq., Jenkintown. Among them were the hardy native Cypripedium pubescens, the deep purple Siberian iris, Phlox divaricata—a distinct form from that seen growing generally around Philadelphia, showing how variable this native phlox is. Distinct forms of columbines were also shown. The native Aquilegia cana-

ACHYRANTHES, red, nice, luscious plants, from 2 in. pots, 2 1/2 in. pots, 3c. ALTERNANTHERAS, red and yellow, from 2 in. pots, 2c., from flats, bushy, \$12.00 per 1000.

IVY GERANIUMS, from 4 in. pots, \$6.00 per 100. Cash, please.

FLORAL HILL GARDENS (G. F. Neipp, Prop.) CHATHAM, N. J.

denis—Sutton's hybrids and Sutton's pink—all of which are very interesting. A white form of Viola cornuti was conspicuous, so also were Dodecatheon Meadia, Boronicum excelsum, the Heuchera sanguinea, sometimes called red lily of the valley, Papaver nudicaule, the Iceland poppy and the apricot tinted flowers of Papaver pilsosum. Deep violet blue spikes of Lupinus polyphyllus showed to good advantage. The dark purple German iris, Black Prince also Iris Florentina—the fleur-de-lis, which is said to produce the orris root of commerce—were also in good form.

Among the May-flowering tulips were some fine parrots in Sam Batchelor's exhibit; also Gesneriana rosea. In two different entries was one variety under two names, namely, Margaret and Picotee. It was not the variety generally grown under the name Picotee. One beautiful variety labeled Beauty of America comes nearer to the true type of the picotee. It was certainly "picotee-marked," being very delicately yet decidedly penciled with pink on the edges of the otherwise white petals. There was also the Gretchen, a fine variety of a very delicate pink color. The two yellows—Bouton d'Or and Golden Crown—showed up well. There were quite a number of the dull colored bizarres enlivened with flakes and stripes of much lighter colors.

H. E. Michell Company offered prizes for May-flowering tulips, which were awarded as follows: James Hurley, gardener for James W. Paul, Esq., first, and Samuel Batchelor, gardener for Clement Newbold, Esq., second.

EDWIN LONSDALE.

Around Town.

Mr. LaGierse of 4653 Lancaster avenue has been very busy for some time with funeral work. This store is near a large cemetery and Mr. LaGierse does considerable cemetery work. He is very well known among the West Philadelphia people as the oldest florist west of the Schuylkill river.

H. Bayersdorfer & Company have received a new line of Italian pottery suitable for decorative purposes and table work. The coloring of this pottery is exceedingly fine and artistic.

M. J. Callahan, 3804 Market street, made a nice funeral design this week consisting of a large saddle composed of Killarney roses, lily of the valley and carnations. Mr. Callahan is assisted in this work by J. A. Eastwell, formerly with the well-known firm of Smith & Fetters, Cleveland, O. Mr. Callahan recently found it necessary to add another icebox.

Mrs. Anna Hursh, 810 Girard avenue, has a very attractive window display. Mrs. Hursh has been and is making up numbers of designs for Memorial Day. She is making a specialty of potted ferns, of which she has a splendid display.

S. S. Pennock-Meehan Company have about half of their force working part of the evening shipping out stock. Mr. Meehan is on duty with the men, giving his personal attention to all shipments.

Edward Reid has some fine fancy carnations and special American Beauty roses, and reports some good sized shipments to outside points.

W. E. McKissick is handling fine Killarney roses, asparagus and dagger ferns.

John McIntyre has put on another delivery wagon. He reports bright prospects for a good Memorial Day business.

Leo Niessen is showing some fine potted ferns and reports good trade in them at this time. Some excellent lily of the valley and American Beauty roses are also seen at this house.

P. M. R.

St. Louis.

News Notes.

Arnold Ringier, traveling representative of W. W. Barnard Company, Chicago, was in the city a few days the past week looking after the firm's interests.

Henry Ostertag of Ostertag Brothers reports an order for six hundred long-stemmed American Beauty the past week for the opening of the Third National Bank's new quarters at Broadway and Olive streets.

The sad news of the death of everybody's friend, William Scott, caused many expressions of regret among the trade in St. Louis, and all desire to extend their sympathy to those who are left to mourn his loss.

R. J. Windler has been very sick the past week, having undergone a painful operation. Miss Rose Windler, his sister, who has charge of the store, reports that he will be out in about ten days.

Charles Schoenle, Carl Beyer and W. Smith, trustees of the Florists' Club, will visit the different locations proposed for the yearly picnic. It would not be surprising if the outing should take place near Belleville.

The Bentzen Floral Company, Riesson Floral Company, Fred. C. Weber, George Waldbart and others had large designs for the opening of the Third National Bank Building last week. It was estimated that nearly \$1,000 worth of flowers were sent to the building that day.

Mullanphy, florist, Grand avenue, reports that he was awarded the contract to furnish the decorations for the Central High School and the Yeatman High School graduates. These decorations, including the bouquets, are generally very large.

Fred. Plant of the Plant Seed Company states that he had a good time at Chicago while attending the meeting of the Western Association of Seedsmen, held at the Auditorium Annex on May 16. He was the only representative from here who attended.

Grimm & Gorley's large delivery wagon was used by a bank the past week to transport \$50,000 in money to its new building. As no one would think of robbing a florist wagon, the plan was a good one, and was carried out successfully.

It has been stated around the wholesale houses that the bosses, Messrs. Kuehn, Smith, Augermuller and Berning, would assist their employees in the coming baseball game against the retailers at the Florists' Club outing in July. St. Patrick.

BROOKINGS, N. D.—Professor N. E. Hanson, horticulturist at the State agricultural college, expects to leave within the next few weeks for another trip through Russia and Siberia for the United States Department of Agriculture. He has been notified by Secretary Wilson of that department that assurances have been received that Congress will appropriate money for the expedition and he has been granted a six months' leave of absence by the board of regents. The object of Professor Hanson's trip will be to gather hardy grasses and cereals, particularly of the alfalfa family, and he expects to go over much of the ground covered by his previous trips.

MANCHESTER, N. H.—Bids for the placing of plants in the parks and commons of the city have been called for by the street and park commission, contrary to the practice prevailing in former years of dividing up the work among the several florists of the city, who had anticipated the same this year. They were surprised, it is said, on receiving the call for bids a few days ago. Several of the florists had gone to the expense and trouble of ordering the plants, expecting they would go right ahead with the work as in former years.

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THE WEEK'S WORK

Timme's Timely Teachings.

Hanging Baskets.

Most people who buy ready stocked hanging baskets from their local florist, or order baskets to be filled, have but a vague idea as to the amount of attention required in the care of these swinging plant colonies during Summer. Immediate effect alone speaks loudest in proclaiming their value for garden, arbor or porch adornment, and endurance of beauty thus exposed to conditions adverse to even the toughest of living vegetation is rarely questioned. Florists, however, in filling baskets, should strive to meet as far as possible both requirements. Unless customers insist upon having this or yonder kind of plants used, though indeed unfit for the purpose, the selection of material should be wholly entrusted to the one who does the filling. No reputable plant grower's collection is so limited in variety of stock at this season as not to afford what is sure to combine durability and attractive appearance, immediate and long lasting. Baskets, most satisfactory in this the most unsatisfactory of outdoor plant disposals, are those stocked with the thriftiest of young flowering plants from small pots, any now showing bloom and sure to continue throughout the entire season, planted not too closely, into very rich old compost, not sandy nor of the stiff, baking kind, but rather soft and woolly to the touch. Anything soon out of bloom, though nice now, or greedily feeding plants, needing nearly all the soil for themselves, should not be used in the filling of baskets. Nor should those with delicate foliage or leaves gradually drying and dying off from the base up to the newer growth be employed. And, finally, baskets should never be swung to wind and sunheat before the plants have had time to become somewhat firmly rooted in the soil.

Vases and Boxes.

The filling of vases, window and portico boxes is work all florists, favorably located, are called upon to do every Spring, as much this year as ever in previous seasons, it would seem. Small urns, or narrow but deep vases, mostly of the reservoir type, holding one large plant, produce when thus filled the best effect. Hydrangeas, nephrolepis, dracaenas, agaves, phoenix and latanias in proportionately large specimens and many other rare and common kinds of foliage and flowering plants may here be used to advantage. Very rare specimens of palms, pandanus, dracaenas, agaves, etc.—that is, rare as to size and fine condition—we prefer to leave in their pots, lining the space between pots and the inner walls of the vases all around with moss. Less perfectly shaped plants of these species for the center of large vases, to be stocked with a collection of others, may be used. Here harmony as regards form and especially luxuriance of growth rather than color of foliage or bloom is sought, rather a riotous intermingling of vigorous plant life from crowning centerpiece down to the wealth of drooping and trailing green, than the hungry looking, formal flower bed, rigidly confined within the compass of a flat vase.

Rich and lasting color effects, on the other hand, must be aimed at in the filling of window boxes. Upright and trailing flowering plants that do finely all Summer, if planted in boxes and cared for in anything like reasonably decent manner, are not scarce, even if geraniums and vincas were expressly mentioned as not wanted in the order. When their use is not prohibited in this wise, we employ these two, that have so faithfully served the purpose for many a season, quite freely but not exclusively, there being lots of material to choose from among greenhouse plants and even annuals of many kinds, that might be used in the filling of plant boxes to advantage, where great variety is pleasing to patrons.

Geraniums.

To have all or the greater part of zonal and ivy-leaved geraniums in bloom when the call for them is highest may or may not be an indication of their having been under the best of good culture, but it shows its efficacy in enticing buyers, nevertheless. Reasonably tight planting into sandy, not over rich soil at every potting, the full light and an abundance of smartly circulating fresh air, all calculated to induce normally progressing growth, firm, short-jointed terminal development of shoots and branches, hastens the appearance of bloom and buds on geraniums. Anything like forcing, as a last resort, under sun heated, insufficiently ventilated glass will not have the desired effect. Neither does their coming into bloom in good season depend on early or timely propagation or untimely removal to frames after their last shift. Geraniums, by the way, are fast coming to the fore as Winter-flowering potted plants. For this purpose there are any number of single, semi-double and double-flowering varieties of old and new geraniums that permit of being worked into fine, most attractive specimens, a surprise to growers unfamiliar with any but the standard bedders. Cuttings may be rooted at any time; those struck in March and April and now in small pots will be sturdy, well-branched, flowering plants by Christmas. In the case of some of the newer English and Braunt varieties continuous culture under glass has led to the making of the freest flowering and altogether most perfect plants.

Nephrolepis.

A thrifty grower of plants after a prosperous clearing of stock in lively barter allows no room thus gained to remain unemployed for any great length of time. No better use at this season can he make of a bench or two than to devote it to Boston ferns, old and new. Let the bench be well drained, and cover the bottom with thinly cut strips of green sod, the grass down, of course. Four inches of compost on this completes the filling of the bench with soil. It should be of a sandy nature and tolerably rich in nicely crumbling old manure. Young stock, now planted into the bench, will by September and October attain the size most desirable in potted Boston ferns for retailing all Winter through. Light, direct and unrestricted, is necessary to keep the growth from becoming watery and soft, but fierce sun rays during mid-day had better be intercepted by a screen or frame device affording a measure of shade. When potting up in the Fall a somewhat heavier, less sandy soil should be used and any excess in firming it should be avoided.

Chinese Primulas

Provision for successive lots of primulas from Fall until Spring is made by the sowing of seeds at various times with intervals of from four to six weeks, the last to take place at about the last week in June. Sod soil in a well forward, turf-like condition and leaf mold, fit to be sifted, form after thorough intermixture and the addition of some sand a good medium on which to start the seeds. Kept covered with paper and evenly moist soon results in germination. The seedlings from this time on fare much better in partially shaded cool outdoor frames with sashes constantly opened a few inches at the back, or all around in fine weather, day and night than under the best regulated greenhouse conditions. A re-planting into the free soil of frame or boxes once or twice causes the seedlings to make a sturdier growth than the immediate potting up from seed pans. In their last shifts a soil containing less sand and leaf mold, but instead a moderate amount of thoroughly decayed fertilizing matter, should be employed in connection with well drained pots.

FRED. W. TIMME.

Stock You Need Now

COLEUS, from 2 1/2 in. pots. Golden Queen and Crimson Verschaffeltii, about 20,000 of each. We have also 25,000 plants of eight other good varieties. Price: \$2.50 per 100; \$22.50 per 1,000.

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EGG PLANTS, 4,000 very fine pot-grown stock, \$30.00 per 1,000.

DRACAENA GRACILIS, in 3 in. pots, \$10.00 per 100.

HELIOTROPE, from 2 1/4 in. pots, \$3.00 per 100.

ENGLISH IVY, fine plants in 6 in. pots, 35c. and 50c. each.

ARALIA ELEGANTISSIMA, fine plants, about 2 feet high, \$1.00 each.

BABY RAMBLER ROSES, fine bushy plants, in bud and bloom, 6 in. pots, 50c. each.

Large specimen plants of NEPHROLEPIS SCOTTII, in pots and tubs, at \$4.00, \$5.00 and \$6.00 each. They are a bargain.

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Pyramids,	54	"	high	-	-	10.00	"	"
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"	66	"	"	-	-	14.00	"	"
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GERANIUMS, 1 in., 7c. La Favorite, Nutt, Poitevine, Doyle, Ricard.

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BEGONIA Vernon, GERMAN IVY, 1 in., \$5.00 per 100.

BEGONIA Vernon, from flats, twice transplanted, \$1.50 per 100.

EGG PLANTS, 2 1/2 in., \$2.00 per 100.

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AGERATUM, Stella Gurney, 2 1/4 in., \$1.00 per 100.

ALYSSUM, Carpet of Snow, One, 2 in., \$2.00 per 100.

LOBELIA, 2 1/2 in., \$2.00 per 100.

FEVERFEW, 2 1/2 in., \$2.00 per 100; 4 in., \$5.00 per 100.

PERIWINKLE, 2 1/2 in., \$1.50 per 100; 4 in., \$5.00 per 100.

COLEUS, Rooded Cuttings, Golden Bedder and Verschaffeltii, 60c. per 100; 2 1/2 in., \$2.00 per 100.

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SALVIA Bonfire, 3 in., \$3.00 per 100

GERANIUMS, 3 in., \$3.00 per 100. VERBENAS, DUSTY MILLER, ALTERNANTHERAS, red and yellow, PETUNIAS, Single BEGONIAS, asst., 2 1/2 in. pots, \$2.00 per 100; \$15.00 per 1000.

VINCA Variegata, 4 and 5 in. pots, 10 to 20 leads, \$8.00 and \$10.00 per 100. DRACAENA Indivisa, 5 in., 20c.; 6 in., 35c.

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Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents. Display advertisements, in these columns, 15 cents per line; count 12 lines agate to the inch.

If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding. Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.

Advertisers in the Western States desiring to advertise under Initials may save time by having their answers directed care our Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—Rose grower, American, aged 25; five years' experience. Address, H. X., care The Florists' Exchange.

SITUATION WANTED—First-class designer and decorator wants position; best references. J. Hare, 63 Touro street, Newport, R. I.

SITUATION WANTED—As foreman on first-class commercial place; neighborhood of New York. References unexcelled. Address, East-ern, care The Florists' Exchange.

SITUATION WANTED—As traveling salesman for reliable seed house; 20 years' experience in the seed business. Address, Seedsmen, care The Florists' Exchange.

SITUATION WANTED—As greenhouse foreman on private place. Aged 28, good experience; English. Address, R. S., care Chas. Butcher, 676 Valley Road, Upper Montclair, N. J.

SITUATION WANTED—Experienced greenhouse man and gardener, 35, single, good willing worker, wishes position. Address, A. Geiger, 195 Woodward avenue, Brooklyn, N. Y.

SITUATION WANTED—By young, energetic, married man as fern and foliage plant grower. Thoroughly proficient; high-class references. Address, D. Z., care The Florists' Exchange.

SITUATION WANTED—On private place by thoroughly experienced Hollander, married, no family. Have A No. 1 references. Address, stating salary, E. Th. C., 38 West 27th street, New York City.

SITUATION WANTED—As grower of choice stove and greenhouse plants, roses, grapes, peaches, etc. Single man, 18 years in first-class places. Address, Houghton, 9095 Fifth avenue, Brooklyn, N. Y.

SITUATION WANTED—As foreman on commercial or private place; nursery or landscape work. European and American experience; disengaged June 15 or July 1. Address, Horticus, care The Florists' Exchange.

SITUATION WANTED—As foreman by first-class grower of roses, carnations, chrysanthemums and all kinds of pot plants; understands landscape work. Aids to handle men to advantage. State wages paid and other particulars. Address, John G. Fleuti, 145 Snyder avenue, Brooklyn, N. Y.

SITUATION WANTED—By orchid grower, trade or private, competent to take full charge, good manager, energetic, thorough, practical knowledge of the department, hybridizing, etc. 15 years' experience in British Isles; last five years in responsible charge of large private collection; excellent references. J. Coupland, Coldstream Greenhouses, Vernon, B. C.

SITUATION WANTED—Advertiser the past three years designing and constructing a large estate would like to associate with good nursery. Thorough knowledge of trees, shrubs, herbaceous plants and every department under glass. Plans, surveying, road making, draining, etc. Highest references. Address, Competent, care The Florists' Exchange.

SITUATION WANTED—By good grower as foreman of first-class place; long experience on good wholesale and retail places with roses, carnations, chrysanthemums, ferns and general pot and nursery stock for first-class trade. Good worker, sober and ambitious; references. State wages and full particulars. Address, Rose Grower, 13 Decatur street, Boston, Mass.

Thirty cents is the minimum charge for advertisements on this page.

Prices Advertised in these Columns are for

HELP WANTED

WANTED—At once, first assistant for greenhouse work on private place. Wages, \$50.00 per month. T. Bell, Fairfield, Conn.

WANTED—Good man to take charge of ornamental ground; must be a good budder and grafter. Schroeder-Son Nursery Company, Lafayette, Cal.

WANTED—First-class budders. State experience and give references. Good wages. Address, Fancher Creek Nurseries, Fresno, Cal.

WANTED—Competent propagator and plant grower; intelligent, educated, and a worker. Address, Farden, 313 Massachusetts avenue, N. E., Washington, D. C.

WANTED—Florist and maker-up, good salesman, for permanent position. Address with references and stating wages wanted, F. L. Ziegler, Newport, R. I.

WANTED—At once, a first class rose grower. In writing state experience, where last employed and wages expected. R. G. Hanford, Norwalk, Conn.

WANTED—Foreman to grow carnations, chrysanthemums, Easter stock and all bedding plants. Must be good designer. Address, B., care The Florists' Exchange.

WANTED—First-class designer and decorator; one capable of taking charge of first-class store. State references and salary expected. Address, R. G. W., care The Florists' Exchange.

WANTED—An all-around gardener, married, for gentleman's place of about two acres. Greenwich, Conn. \$40.00 per month and cottage. Call Monday, or write immediately. References, D. J. Corbitt, 515 West 175th street, New York City.

WANTED—A competent young man thoroughly experienced in growing carnations, chrysanthemums and general greenhouse stock. Must be sober and a good worker and take an interest in his work. Wages, \$10 per week and board. Address, with copy of references only, Florist, 314 56th street, Brooklyn, N. Y.

WANTED

Two good bright men capable of earning \$1,000 per year each, that are well versed in the seed business. One that has had a great deal of experience in garden seeds and some in field. Another that has had considerable experience in grass and field seeds, and can take charge of shipping department and act as general foreman about warehouse. When answering state your age, number of years' experience and with whom. Address

SEEDS, care of THE FLORIST'S EXCHANGE
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WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, E. N., care The Florists' Exchange.

WANTED TO LEASE—With privilege to buy, 5,000 to 10,000 feet of greenhouses, with land and dwelling. Southern New England or Eastern New York State preferred. Address, O., care The Florists' Exchange.

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Original species of **GLADIOLUS** for next Fall delivery; also original species of **GERANIUMS** or **PELARGONIUMS** for immediate delivery. State kinds you have and price.

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EGG PLANTS, strong and stocky, transplanted twice, 75c per 100. Bay View Floral Company, Southold, N. Y.

PANSY PLANTS—Full of life. Transplanted, \$1.00 per 100; \$8.50 per 1000; seedlings, 50c per 100; \$3.50 per 1000. D. W. Buckbee, Rockford, Ill.

SALVIA ZURICH, in bud and bloom, 3 in., \$4.00 per 100; 2 in., \$2.50 per 100; rooted cuttings, \$1.25 per 100. The Krueger Brothers Company, Toledo, O.

SWEET POTATO PLANTS, now ready. Big stems. Yellow Nansemond or Yellow Jersey, \$1.50 per 1000; by mail, 30c per 100. H. Austin, Felton, Del.

25,000 **ALTERNANTHERAS**, at \$25.00 per 1000. No shipping. Cash with order. John Lappe, Juniper avenue, Maspeth, L. I.

MME. SALLEROI GERANIUMS, 300 extra strong, Fall struck, 2 1/2-in. pots, \$2.50 per 100. John Curwen, Berwyn, Pa.

DOUBLE LOBELIA, Kathleen Mallard, 2 1/2 in., 4c. Strong cuttings from soil, 2c. All full of buds and bloom. J. L. Stone, Trumansburg, N. Y.

FLORISTS' COMMERCIAL ASTERS, field-grown, separate colors, will be ready June 1, early, medium and late, \$2.50 per 1000. A. & G. Rosbach, Pemberton, N. J.

CAMPBELL VIOLETS, rooted divisions, strong, healthy stock, \$5 per 1000. Aster plants, leading varieties, 50c per 100; \$4.00 per 1000. Paul Thomson, West Hartford, Conn.

20,000 **Finest DAHLIAS**, all named varieties, 5c each or \$5.00 per 100; Brunhilde, Kriemhilde, Floradora and Gen. Buller. Cash with order. Chas. Nagle, 667 Melrose avenue, New York City.

CHRYSANTHEMUMS, R. C. Bonaffon, Dr. Enguehard, \$10.00 per 1000; unrooted, \$5.00 per 1000. Stevia, R. C. \$10.00 per 1000. Cash with order, please. Jacob Kol, Walnut street and Avondale road, East Nutley, N. J.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2 1/2-inch pots, \$12.00 per 100; \$110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

CARNATIONS, field-grown, 15,000 Eucharis and Winsor, ready for delivery July 1. Orders filled in strict rotation. Order now and be first. Prices on application. We guarantee satisfaction; we lead in superb field-grown stock. Wa-No-Ka Greenhouses, Barneveld, N. Y.

STOCK FOR SALE—*Dracena Indivisa*, 6 in., 35c. *Dracena Indivisa*, 4 in., 15c. Geraniums, best varieties, own selection, 4 in., \$7.00. Lobelias, 2 1/2 in., \$2.00. Cannas, own selection, 4 in., \$6.00. Chrysanthemums, many varieties, from flats very strong, \$3.00. Cash with order. Henry Schrade, Florist, 110 Nelson avenue, Saratoga Springs, N. Y.

VINCA, 2 1/2 in., \$2.50 per 100; \$22.50 per 1000. Asparagus Sprenger, 3 1/2 in., 6c; 4 in., 8c, strong Double Nasturtiums, 2 1/2 in., 3c; R. C. 1 1/2c. Chrysanthemums, White—Estelle, Polly Rose, Touset, Willbrook, Ivory, Byron, Robinson, J. Jones, Nonin, Pink-Pacific, Ivory, Duckham, Liger, Enguehard; Yellow—Monrovia, Hallday, Bonaffon, Appleton, 2 1/2 in., \$2.25 per 100; R. C. \$1.25 per 100. Stafford Floral Company, Stafford Springs, Conn.

MISCELLANEOUS

GREAT CHANCE for florist to go in business with small amount of money. Write F. H. Baker, Stafford Springs, Conn.

Will Joseph J. Sorman, florist, native of Netherlands, communicate with this office, or any one who knows of his whereabouts. He will hear something important to his advantage. The Florists' Exchange, 2 Duane street, New York.

FOR SALE—Twenty shares of stock in the A. T. De La Mare Printing and Publishing Company—publishers of the Florists' Exchange. Price \$45.00 per share in lots of five or more shares. Apply to R. Irving Outwater, 15 Exchange Place, Jersey City, N. J.

Excellent opportunity to secure an article up to date.

FLOWER SHOP

Established in a Pennsylvania city of 100,000 population, occupying best location and caters to the best trade. This is a good opening for a progressive man. Best reasons for selling, due to outside interests. Easy terms arranged.

Address
OPPORTUNITY, care THE FLORISTS' EXCHANGE

MISCELLANEOUS

A Long Felt Want Supplied

The Greater New York Employment Agency can furnish help of all kinds for florist and greenhouse work. Any nationality. Address

A HULSEBOSCH, Prop.
51 Greenwich St., NEW YORK CITY
Telephone 4839 Rector

FOR SALE OR RENT

FOR SALE—At Madison, N. J., three greenhouses, stocked with roses; dwelling house, seven rooms and bath; five minutes from station; three minutes from freight station; city water. Inquire, Mrs. M. B. Maguire, 21 Keep street, Madison, N. J.

FOR RENT—Greenhouses, best modern construction, prime condition; stocked with roses, carnations, chrysanthemums, etc.; 5000 feet glass; location Eastern Pennsylvania; good local trade; easy access to city markets. Terms reasonable. Address, Rose, care The Florists' Exchange.

FOR SALE—Greenhouses. About 30,000 feet of glass in first-class condition, well stocked with roses; fine location for retail trade. Handy to Boston market for wholesale; chance of a life-time. Reason for selling; all my time is taken up with other business. Write for particulars or call and see them. Address, H. F. Crawford, Mentello Station, Brockton, Mass.

FOR SALE—Chance of a lifetime. On account of my husband's death, I desire to sell the business and property which consists of eight hothouses filled with different plants as the market here requires. Also cottage with eight rooms and barn, five acres of land in good condition, besides hotbeds and two hot-water boilers in good condition. If interested, please address, Mrs. Hugo Book, 10 College street, Worcester, Mass.

FOR SALE

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parschsky Brothers, 59 Montrose avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hotbed sash, milled from Gulf Cypress, to any detail furnished. Oxford quality, specially made for greenhouses and hotbed sash. V. E. Reich, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE—Florist's Refrigerator, size 10 feet wide, 4 feet 6 inches deep; 8 feet 6 inches high; white enamel, beveled French plate glass mirror in back of supply compartment; perfect condition. **BARGAIN!** Address, B., care The Florists' Exchange.

FOR SALE—Self-contained fire box return tubular boiler, with 36-foot smoke stack and hood. This boiler has been used two Winters and heated 8,500 square feet of glass to 50 degrees. Will test to 75 or 100 lbs. working pressure, if wanted. Can be either used for hot water or steam. Enlarging plant, cause of selling. Price, \$225.00, f. o. b. Kramer Brothers, Farmingdale, L. I., N. Y.

FOR SALE—300 boxes 10x12 and 10x14 in. double thick glass, 5,000 feet 4 in. cast iron pipe; 3,000 feet of 1 1/2 and 2 in. wrought iron pipe; 300 hotbed sash, size 3x6 with 10x12 glass; two No. 17 Hitches boilers, 600 feet Hitches ventilating apparatus. All as good as new. Cheap. I. Sussermann, 229 Livingston street, Newark, N. J.

A BARGAIN.
FOR SALE—5-section, 36-inch grate, Lord & Burnham steam boiler, used two seasons. Can also be used for hot water. As good as new. Will heat 11,000 feet glass. Am installing high power hot water boiler, no use for this one. Price \$185.00. Cash. F. O. E. cars. First check for \$50.00 binds bargain. E. S. Blauvelt, wholesale florist, Coeymans, N. Y.

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

When Writing Please Mention THE FLORISTS' EXCHANGE.

THE TRADE ONLY—

SEND FOR SAMPLES OF OUR
"Cultural Directions"

Specially prepared for the use of your customers. These Leaflets are just the neat little factor to promote business and establish better relations between the dealer and his customer. They have been written by experts; they are fuller, and contain more detailed directions than it is possible to embrace in a catalogue. Hand one out with each sale. It will save your time, quicken and increase business, and aid you please your customer.

The following "Culturals" are now ready:

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| Amaryllis (Hippeastrum) | Deciduous Trees and Shrubs | Palms, House Culture of |
| Annals from Seed | Evergreen Trees and Shrubs | Pansy |
| Asparagus | Ferns | Peonies |
| Asters | Freesia | Perennials, Hardy |
| Begonia, Tuberos | Geranium | Primula |
| Bulbs | Gladolus | Rhubarb and Asparagus |
| Cabbage and Cauliflower | Glaxinia | under Glass |
| Canna | Hot Beds and Frames | Rose Culture |
| Carnations, Monthly | House Plants, Care of | Small Fruits |
| Cauliflower, Radish and | Hyacinths, Dutch and | Standard Fruits |
| Beans under Glass | Roman | Strawberries under Glass |
| Colery | Iris and Tritoma | Sweet Pea, The |
| Chinese Sacred Lily | Lawns | Tomatoes, Outdoors |
| Chrysanthemum | Lettuce in the Open and | Tomatoes under Glass |
| Climbing Plants, Hardy | under Glass | Tuberose |
| Coleus, and other bedders | Lily Culture for House and | Tulip |
| Crocus, Snowdrop and | Garden | Vegetables |
| Scilla Sibirica | Melons under Glass and | Violets |
| Cucumbers under Glass | in the Open | Water Garden, How to Make |
| Dahlia | Mushroom Culture | and Menage a |
| | Onions | |

Your selection of not less than 100 of a kind, delivered carriage paid, printed on white paper, clear type, size 6x9 1/2 inches, 500 for \$1.50; 1000 for \$2.50.

Sufficient space will be left at the bottom of each leaflet for your name, address, etc. If you desire this imprint (3 lines) add 50 cents for 500 copies, 75 cents for 1000. Special quotations on quantities of 2500 or over.

A. T. De La Mare Ptg. and Pub. Co. Ltd.
 Pubs. The Florists' Exchange. P. O. Box 1697, NEW YORK

New York.

The Week's News.

To-day (Saturday) will be a busy day for the retailers, more particularly those located near the cemeteries. It did not seem possible a week ago that peonies would come in in time for Memorial Day—that is, in quantities; but with the local supply of the old red variety, and the pink and white sorts that are arriving from a distance, there have been plenty of peonies for all. Other outdoor flowers that have been available this week are lilac, polygonum, iris and lily of the valley; these have all been in quite heavy supply, much to the disadvantage of greenhouse-grown flowers.

Surrogate Ketcham, of Brooklyn Surrogate Court, recently handed down a decision in the matter of the accounting in the estate of James Weir, Jr., the well-known Brooklyn florist, recently deceased, in which he upholds the action of the executors, the widow, Margaret A. Weir, and James B. Weir, in their management of the estate since the death of the senior member of the firm. On the accounting there was a question raised as to whether the estate was entitled to share in the money and book accounts in the hands of the firm and undivided at the time of Mr. Weir's death.

E. G. Hill, Richmond, Ind., sailed on the Etruria Saturday morning en route to Paris, France, where he will act as one of the judges at the international exhibition of roses in the open air, from June 1-15. All the newest varieties will be on display.

The many friends in the trade of John Young, wholesale florist, 51 West Twenty-eighth street, secretary of the New York Florists' Club, will learn with regret of the death of his mother, Mrs. Thomas Young, which occurred at her home in Passaic, N. J., on Friday morning, May 22, aged eighty-one years and eighteen days. The interment was in Cedar Lawn Cemetery on the Sunday following. Besides Mr. Young there are three other brothers left to mourn her loss—Thomas Young, Jr., retail florist at Forty-second street and Fifth avenue, New York; George Young, rose grower, Clifton, N. J., and William Young, also a grower at Clifton, N. J. There are also two sisters, one of whom resides in England. It is six years ago this month since the father died at an advanced age, going past the four-score mark.

Louis Goldfarb, wholesale dealer in cut flowers at Thirty-fourth street near the East River, is laid up at his home with a sprained ankle—a very painful and severe case. It was thought at one time that his foot would have to be amputated, as blood poison threatened; fortunately, the physicians got control of the injury and Mr. Goldfarb is on the road to recovery now.

Andrew Scott of Alex. McConnell's retail store, journeyed to Cincinnati last Saturday, May 23, in charge of a large number of funeral designs Mr. McConnell furnished for the funeral of a prominent resident of that city.

Another meeting of the Association of Retail Florists, recently formed in Brooklyn, was held at the Imperial Hotel on Tuesday evening.

The ruling of the express companies which recently went into effect, making a separate charge for empty boxes, is responsible for the establishing of a motor wagon service for the purpose of collecting empty boxes throughout the wholesale district for the different growers located on Long Island. The service is being put in operation at Valley Stream, L. I., and will cover all the intervening points between there and New York City.

Thomas Jones, the well-known orchid grower of Short Hills, N. J., has recently purchased a nice farm ad-

joining his present place and will make a nursery of it for the growing of flowering and decorative shrubs. Since embarking in the orchid business Mr. Jones has been eminently successful.

It is with deep regret that we learn that A. D. Rose, the well-known florist of Montclair, N. J., is confined to his bed with a serious illness. Mr. Rose has been in poor health for some months and has spent several weeks in the South hoping to be benefited thereby.

Andrew Scott, the well-known buyer for Alex. McConnell, sails with his wife on July 22 for a six weeks' vacation in Europe.

W. Van Kleeft, Jr., who has been here representing W. Van Kleeft & Sons, nurserymen, Boskoop, Holland, left for home to-day (Saturday) on the steamer Statendam.

David McKenzie, foreman for John Scott, will shortly set sail for Scotland, where he will spend a vacation at his former home.

Among recent visitors in town were Peter Bissel, Washington, D. C., and Patrick Welch, the well-known wholesale florist of Boston, Mass.

The rose show to be held in the New York Botanical Garden, Bronx Park, under the auspices of the American Rose Society and the Horticultural Society of New York, will take place on June 10 and 11.

The Krebs' place at Elmhurst, L. I., has been leased to Charles Peterson of Whitestone, L. I.

A. M. Henshaw's sister and her husband, Mr. and Mrs. George V. Britton, have arrived from England and will make a business and pleasure trip of the Eastern part of the country. Mr. Henshaw intends to take a little vacation while they are here and show them some of the country.

H. A. Bunyard, with the firm of A. T. Boddington, arrived home last Saturday from his Southern vacation trip.

Ladies' Night.

The ladies' night of the New York Florists' Club took place on Wednesday evening, May 27, and was one of the most successful affairs the club ever held. We did not have the opportunity to count how many were present, but we think we are safe in saying that the number approximated two hundred; this, too, in spite of the almost torrid weather. The chairman of the house committee, W. Richards, is certainly to be congratulated in the manner in which he so successfully carried through the affair. He was ably assisted by his lieutenants—Duggan, Manda, Fenrich and Schultz. The ladies were well taken care of in the way of refreshments, as the well-known caterer Mazzetti was engaged for the occasion, and a bounteous supply of all the good things necessary for a light collation, with plenty of liquid refreshments in the way of punch and lemonade, was provided and thoroughly enjoyed by all. For the male portion of the audience more substantial viands were offered in the way of roast turkey and beverages of all descriptions, both soft and hard.

A rather elaborate musical program was provided, and the selection of artists had been carefully done, resulting in a diversified entertainment, some part of which was sure to please everybody. The artists were Miss A. V. Brown, soprano; R. Mullen, tenor; Mr. Kreshover, violin soloist; Robert Young, a fifteen-year-old Scotch impersonator, a youth who evidently wants to follow in the footsteps of the great Scotch comedian, Harry Lauder, and who bids fair to make a success of it; and Baby Lanning, a little girl, seven or eight years old, who did some very fine terpsichorean feats, including both minuet and flag dancing.

Sergeant Cameron with his bagpipes and troupe of Scotch dancers was one of the favorites of the evening. The troupe consisted of Misses Jeanie Birnie, Flora Cameron, Maggie Sorlie and Robert Young. Another feature was a little girl named Baby Eleanor, who sang delightfully. The singing of a lullaby by Miss Brown, a duet by the same lady and Mr. Childs, and the character sketches by Robert Young were particularly admired and applauded, as also was the dancing of Baby Lanning.

FOR SALE

PIPE Good serviceable second hand with good threads and a coupling with each length, no junk—1 in. 3c.; 1 1/4 in. 4 1/2c.; 1 1/2 in. 6c.; 2 in. 6 1/2c.; 2 1/4 in. 10 1/2c.; 3 in. at 14c. and 4 in. at 19c. New 2 in. standard black, 10 1/4c. Old 4 in. greenhouse pipe, 14c. per foot; 4 in. boiler tubes, 8c. per foot. All kinds of fittings for 4 in. cast iron. All sizes wrought iron pipe carried in stock.

BOILERS One 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, new, round boiler, heating 900 sq. ft. of glass, \$40.00. Richmond boiler, heat 6000 ft. of glass; 1 Dundy boiler, heat 2500 ft. of glass; 1 H. B. Smith, heat 3000 ft. of glass. We have other sizes and makes in stock. Write for prices.

PIPE FITTING TOOLS New and old Large stock always on hand.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. 3/4 in., 3 ply, guaranteed 100 lbs. pressure. 8 1/4c. 4 ply guaranteed 250 lbs. pressure, 12 1/2c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New, 8x10 single at \$1.00 per box; 10x12 C. double, \$1.75 per box; 10x12 and 12x12 B. double, \$2.00 per box; 12x14 and 12x20, 14x14 to 14x20, 16x16 and 16x18, B. double, at \$2.15 per box; and 16x20, 16x24 and 12x24, B. double, \$2.26 per box. Discount given to large quantities.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.
 Greenhouse Wreckers
 1398-1408 Metropolitan Avenue, BROOKLYN, N.Y.

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

ONE upright round steam boiler, name "Superb," capacity 650 sq. ft., steam, price \$50.00, delivered f. o. b. New York. A fine boiler for a small greenhouse, say 3000 ft. of glass. A good opportunity for a house heating boiler. Guaranteed in first-class condition. A bargain.

JOHN A. SCOLLAY
 74 & 76 Myrtle Ave., Brooklyn, N. Y.

BOOKS

Everyone who would become successful in his pursuits should "fill himself full" on all subjects appertaining thereto; in other words, he should buy every practical book relating to his business from which he is sure to reap some advantage.

We are in a position to supply these as far as concerns the florist, nursery and seed trades.

Send for our Complete Descriptive Book List covering every phase of floriculture, horticulture and allied industries

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OFFICES—
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PLANT CULTURE Price \$1.00

The best book for the Plant Grower.
A. T. DE LA MARE PTG. & PUB. CO. LTD. 2 to 8 Duane St., NEW YORK

A New Labor-Saving Bench.

No, it is not another concrete bench in some form of modified mold or pattern, but an out and out, *cast iron bench*—a bench which the makers claim two men can erect 500 square feet of in a day, or half the time it takes to put up the same amount of wooden benches. To this great economy in time also add the tremendous advantage of its lasting indefinitely.

For many years the Lord & Burham Company has been tussling with the bench problem, endeavoring to secure an everlaster that would be practical as an

erection, right drainage and unlimited endurance. It must work out considerably cheaper than the well-built concrete bench, and has the advantage of being portable or adjustable to any general change in bench arrangement. With concrete benches still somewhat of an experiment, and their tendency to crack or crumble if not made exactly right, it would seem that this cast iron bench more nearly meets all the requirements. Think what the quickness of erection of such a bench would mean to the man whose house has been delayed and his crop is coming on! T.



For benches wider than 3 feet 6½ inches, center legs are necessary. Truss, modified main fitting and slotted cap are required.

expenditure for the florists. The great success of several beds having cast iron bottoms, which were erected for Superintendent Ballentine, in Mrs. F. F. Thompson's orchid house at Canandaigua, N. Y., was the first step that led to the firm's now fully developed and perfected entire cast iron bench.

Its construction is the simplest possible, one fitting doing practically all the joining. The sides, ends and bottoms are cast in separate pieces. To erect the bench, the legs are put in the socket of the main fitting and held in place by a set screw; the cast iron sides, each 4 feet 2 inches long, are bolted to the main fitting, the bottoms bolted to the flanges on the sides, and with the ends secured, the bench is complete.

At intervals of 8 feet 4 inches the



The main fitting, leg and base socket.

legs are braced with a crossbar connected by clamped fittings, which, being adjustable to any height, also form a support for the heating pipes.

For benches wider than 3 feet 6½ inches, a center leg equipped with slotted cap fitting to carry the cast iron truss, and a modified main fitting are necessary.

The sides of the bench are cast in lengths of 4 feet 2 inches, and are 5½ inches high and ¼ inch thick. A molding at the top adds to the strength and gives a finish. The bottom pieces are 1 foot wide and in various lengths. They are cast with ridges or trusses every 2 inches on the under side, giving them a strong reinforcement. The upper surfaces of the bottoms being perfectly clear, and all bolt heads countersunk, there is no obstruction for the shovel to catch on when removing the soil.

Here then is a bench made up of a system of units, admitting of various combinations and arrangements; one meeting the requirements of economy of

Detroit.

Trade and News Notes.

Business is moving along slowly. With the advent of numerous outdoor flowers the shops are all loaded down with goods. The continued warm weather has started inquiries for outdoor plants, but reports from those whose business it is to plant flower beds and fill vases are anything but encouraging. Still the season is young yet, and we all hope that this line of business may come up to that of years past.

The Lohrman Seed Company is now fully established in its own new build-

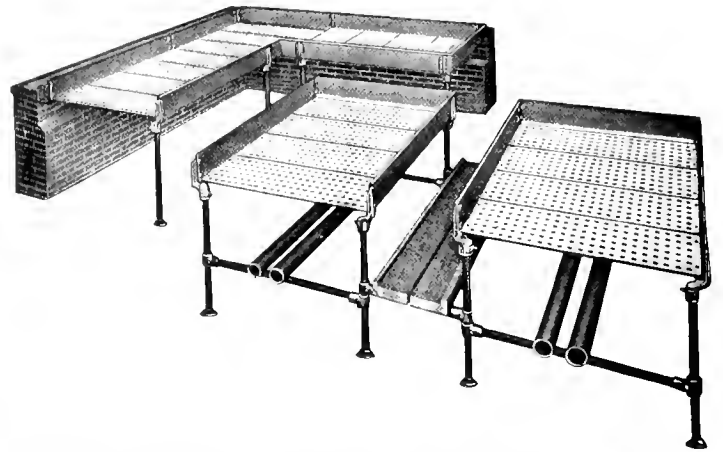
ing and enjoys the possession of much more convenient quarters and very light and attractive salesrooms. The firm's counter trade is far ahead of that of former years.

The young man reported some time ago as having defrauded several local florists through ordering floral designs and paying for them with forged checks, and who aroused sympathy by shedding tears profusely, earning for him the title of "tear artist," has been sentenced to imprisonment for four years.

Florists' Club.

The last regular meeting of the Florists' Club was well attended, principally on account of the death of William Scott of Buffalo, which sad news spread like wildfire among the craft early in the morning. The following resolutions, drafted by the secretary, J. F. Sullivan, were adopted:

"Resolved, That by the death of



With masonry walls, a fitting is made to clamp the cast iron sills. Where narrow center walks are necessary, to make working the benches easier, the walk is elevated as shown.

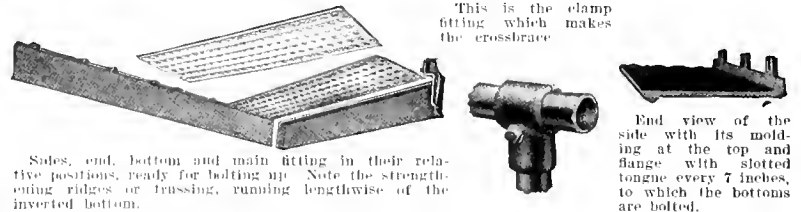
William Scott this club realizes that floriculture and horticulture have lost one of their best friends and most earnest advocates. He was always foremost in all movements calculated to advance the floricultural and horticultural interests of the country, and was a conspicuous contributor to the floricultural literature of his time; the great value of which is highly appreciated by thousands of persons engaged in the florist business. His cheerful disposition and most amiable nature endeared him to thousands of friends throughout the country by whom the news of his death will be

been equal to the demand. Nothing new in the line of flowers is on the market. Sweet peas are more plentiful and sell quickly. Owing to heavy frosts last month lilacs are not as abundant as usual and will nearly all be gone before Memorial Day.

E. P. Holm is staying at the greenhouses all the time these days, looking after the firm's outside planting orders.

O. J. Olson and A. Clausen returned a few days since from their trout fishing expedition well supplied with fine specimens.

W. J. Eldering of Overveen, Hol-



This is the clamp fitting which makes the crossbar.

Sides, end, bottom and main fitting in their relative positions, ready for bolting up. Note the strengthening ridges or trusses, running lengthwise of the inverted bottom.

End view of the side with its molding at the top and flange with slotted tongue every 7 inches, to which the bottoms are bolted.

received with the deepest sorrow. And

"Resolved, That this club shall send a floral offering to his funeral, conveying its deepest sympathy with his widow and family, also a copy of these resolutions." F. DANZER.

St. Paul.

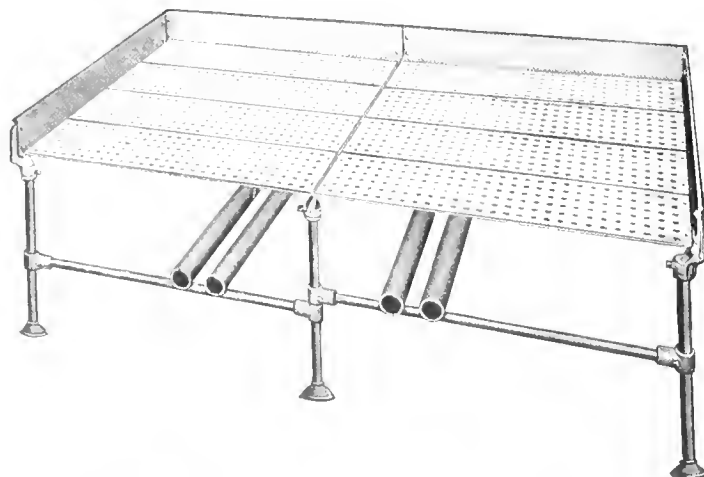
Trade Notes.

Spring trade has been up to the average though the rainy weather has kept down the volume of business to a certain extent. Bedding out has fairly begun and every one in the trade is busy in that line. Stock has

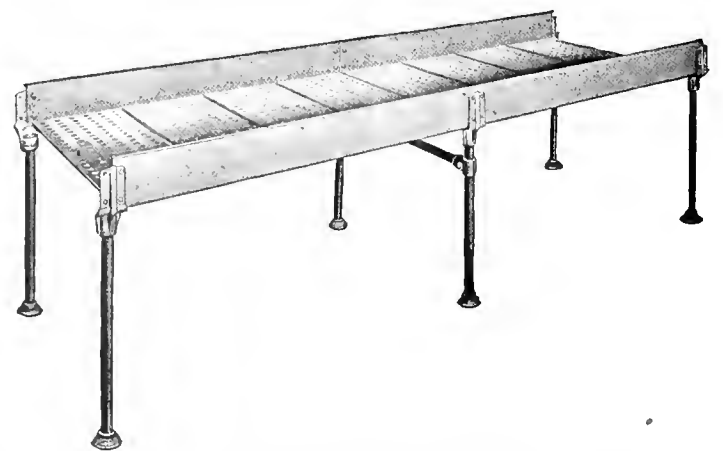
land, and Horace Cheeseman of Vaughan's Seed Store were recent callers.

The Twin City Florists' Club meeting, held at Holm & Olson's store, May 19, was not very well attended, but a very interesting session was held. A resolution changing the constitution and by-laws was presented for ratification at the next meeting. A. Christensen of the Minneapolis Electric Company gave an interesting talk on "Plant Growing by Electric Light" and expressed the opinion that in the not far distant future the color of flowers under the influence of electricity would be changed at will by the mere pressing of a button.

VERITAS.



An eight foot bench. Note way heating pipes can be carried by the crossbearers.



And so you continue to connect the unit lengths of 8 feet 4 inches, until the bench is the desired length, and with the ends in place, your everlaster bench is complete.

ORCHIDS Arrived in fine condition: Cattleya Mossiae, C. Percivaliana, C. Trianae, C. Labiate, C. Schroderae, C. Gigas Sanderiana, C. Harrisoniae, C. Cirina, Lelia Anceps, Oncidium Varicosum Rogerii, Onc. Ornithorhynchum, O. Tigrinum, Odontoglossum Insleyi, O. Rossi Majus, Dendrobium Formosum Giganteum, D. Wardianum, D. Findlayianum, Vanda Caribaea.
Will arrive shortly: Cattleya Gaskelliana, C. Mendelii, Phalaenopsis Schilleriana, P. Amabilis, Dendrobium Phalaenopsis.
CARRILLO & BALDWIN, Secaucus, N. J.

ORCHIDS
IN BUD FROM
STANLEY & CO., Southgate, England
who always do the thing well.

CATTELEYA MOSSIAE
In sheath to flower this April, May, at \$60.00 per 100. Order immediately.

ORCHIDS
We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices. Write us for information as to kinds and prices.
We have just received the following orchids: Oncidium Tigrinum, O. Sarcedos, O. Forbesii, Sophronitis grandiflora and coccolinea.
LAGER & HURRELL, Summit, N. J.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the world.
Sander, St. Albans, England
and
235 Broadway, Room 1, New York City

PANSIES
Giant flowering, none better, \$2.50 per 1000. **DAISIES, Bellis, in bloom, \$1.25 per 100; \$10.00 per 1000.** Plants that will bloom soon, \$2.50 per 1000.
Stocks, Verbena, Salvia, Dusty Miller, Alyssum, single and double, fine plants, out of 2 1/2 in. pots, \$2.00 per 100; \$16.00 per 1000.
J. C. SCHMIDT, Bristol, Pa.

PANSIES
THE JENNINGS STRAIN
Plants in bud and bloom, \$1.00 per 100; small plants, \$4.00 per 1000 by express.
Cash with order.
E. B. JENNINGS, SOUTHPORT, CONN.
Lock Box 254
Grower of the Finest Pansies

500,000 ASTER PLANTS
Queen of the Market, Victoria, Giant Comet, Ostrich Feather, late branching, large, strong, stocky plants, ready to plant out, at \$2.50 per 1000; in 5000 lots, \$2.00 per 1000. Seed saved from the finest and most double flowers only. (Late branching in separate colors.)
GUSTAV PITZONKA, Bristol, Pa.

CAMPBELL VIOLETS
25,000 Sand Rooted Cuttings, as fine as silk, \$1.00 per 100 by mail, prepaid; \$7.00 per 1000 by express, not prepaid. Satisfaction guaranteed.
Strong, field-grown plants of Campbell and California ready in August.
CHAS. BLACK, HIGHTSTOWN, N. J.

VIOLETS
Governor Herrick
New single violet, fine deep color, heavy foliage, will produce 135 to 160 blooms per plant; hardy stock, 10-inch stems, keeping qualities unsurpassed; good seller. Price, \$25.00 per 1000 in clumps.
Cash with order.
LOUIS D. MCCOY
SPRING VALLEY, ROCKLAND CO., N.Y.

BEFORE YOU BUILD GET FOLEY'S ESTIMATE

The Foley GREENHOUSE MATERIALS The Best

ALL HEART SUN-DRIED CYPRESS. UNEQUALLED. CUT EXACT SIZE AND FIT. PERFECT WORK.

The Foley VENTILATING APPARATUS The Best

ALWAYS SECURING PERFECT VENTILATION. ADAPTABLE TO ANY SIZE HOUSE. GET CIRCULARS.

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STOCK YOU NEED
SALVIAS, 1 have raised these from seed and twice transplanted them, making strong, clean, healthy stock. Boufire, St. Louis and Splendens, 90c. per 100; \$8.00 per 1000.
FUCHSIAS, Little Beauty, large plants, in 2 1/2 in. pots, ready for 3 in., \$3.00 per 100.
FEVERFEW, double white, large plants, out of 2 1/2 in., \$2.00 per 100.
LOBELIAS, Crystal Palace compacta, large clumps, in 2 1/2 in. pots, \$2.00 per 100.
ALYSSUM, double alyssum, strong R. C., 60c. per 100.
MME. SALLEROI, large 2 1/2 in. plants, \$2.50 per 100.
VERBENAS, large transplanted stock in separate colors, pink, blue, white, scarlet, rose and purple, 75c. per 100; \$6 per 1000.
AGERATUMS, transplanted seedlings, large plants from soil, 75c. per 100.
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July Seedlings, strong and healthy, ready for 2 1/2, 3 and 4 in. pots, at \$6.00, \$8.00 and \$12.00 per 100.

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Asparagus
Sprengeri, very strong, 3 in., ready for 6 in., before repotting, \$5.00 per 100.
ASPARAGUS, Plumosus Nanus, 4 in., \$6.00 per 100.
VINCA, Minor, 3 colors, 2 in., \$2.00 per 100.
Per 100
GERANIUMS, Mme. Salleroi, 2 in., \$2.50
SINGLE HOLLYHOCKS, fine strain, strong 2.00
COBÆA Scandens, 2 in., \$2.50 per 100.
CENTAUREA Gymnocarpa (Dusty Miller) 2-in. \$2.00.
Cash with order, please.
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CYCLAMEN
Splendens Giganteum Hybrids
Finest strain in the world in five true colors, extra well grown plants from 2 1/2 in. pots, \$5.00 per 100; \$45.00 per 1000.
Satisfaction Guaranteed
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Bride and Maid, fine stock, own roots 3 in., \$5.00 per 100.
Grafted, fine stock, Bride, Maid, Killarney, Richmond, 3 in., \$10.00 per 100.

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Stock Plants for sale, \$10.00 and \$15.00 per 100.
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Now is the time to place your orders for
BEGONIA GLOIRE DE LORRAINE, CYCLAMEN and POINSETTIAS
I am well equipped to supply the above in any quantity at the following prices:
BEGONIA GLOIRE DE LORRAINE, 2 1/2 in. pots (leaf cuttings), \$15.00 per 100; \$140.00 per 1000.
CYCLAMEN, 2 1/2 in., \$5.00; 3 in., \$7.00; 4 in., \$15.00; 5 in., \$20.00.
POINSETTIAS, 2 1/2 in., \$5.00 per 100; \$45.00 per 1000.
Satisfaction guaranteed.
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HELLO! Here Is Your Chance
GERANIUMS, HELIOTROPE, AGERATUMS, FUCHSIAS, SALVIA SPLENDENS and YELLOW DAISIES in 4 in. pots, \$6.00 per 100.
DOUBLE WHITE PETUNIAS, \$8.00 per 100.
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HARDY IVY, 4 in. pots, \$10.00 per 100.
CANNAS, all varieties, 4 1/2 in. pots, \$8.00 per 100.
Thousands of **HYDRANGEAS** for planting outside, \$12.00 per 100.
HONEYSUCKLE, 6 in. pots, \$15.00 per 100.
DAISIES, Marguerite, white and yellow, 3 in. pots, \$3.00 per 100.
COLEUS, 15 fancy colors, **AGERATUM, ALTERNANFERAS, SILVER LEAF GERANIUMS, CIGAR PLANTS, GROUND IVY, SWEET ALYSSUM, PETUNIAS, PHLOX, VERBENAS, ARTILLERY PLANTS, LOBELIA, FEVERFEW, BACHELOR BUTTONS and FUCHSIAS**, all in 3 in. pots, \$2.50 per 100. **DOUBLE WHITE PETUNIAS**, 3 in. pots, \$4.00 per 100. CASH WITH ORDER PLEASE.

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FINE STOCK
ASPARAGUS
Delficus, \$150 to \$7 per 1000
Sprengeri \$15.00 per 1000
SMILAX \$15.00 per 1000.
Sample plants ten cents each.
GERANIUMS, Nutt, Perkins Poitevine, Castellane, Ricard at \$10 per 1000. Rooted cuttings.

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VIOLETS Marie Louise and Farquhar, Liberty and March (stock strong) sand rooted cuttings, electric and free from disease, \$2.00 per 100; \$15.00 per 1000. Cash with order please.
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The American Carnation Price, \$3.50
A. T. De La Mare Ptg. & Pub. Co., 2 Duane St., New York

REVIEW OF THE MARKET

NEW YORK.—Business continues rather quiet. The recent warm weather has had a very bad effect on flowers in general and roses and carnations in particular. There is an immense number of American Beauty roses coming in just now, and while 15c. each can be obtained for a few of them, it requires going through several hundred flowers to pick out twenty-five of the top grade; consequently, the general average on this rose must be a very low one. Bride and Bridesmaid are in nearly as bad a condition; they are opening very quickly and the majority of sales are made in straight slips at prices such as are quoted for No. 1 or No. 2 grades. There is as yet a heavy supply of carnations, and though it has been the week before Memorial Day—a week when carnations generally advance a little in price owing to the shipping trade—there has been no possible chance of increasing prices this week. Good blooms can be had at anywhere from 50c. to \$1.50 per 100, and, if bought by the thousand, even cheaper than that.

Cattleyas are quite plentiful just now, and prices are anything but firm. The supply of yellow narcissus and tulips has dwindled to nothing almost, but they are not missed, as there are plenty of other things to take their place. Peonies are coming in quite heavily; 50c. per dozen is asked for the red variety, officinalis, and for the best pink and white varieties \$1.00 per 100 has been obtained. A great many of these, however, have deteriorated in quality during shipment and have to be sold at a much less figure, which will reduce the average price considerably. Lilies are still plentiful and are not bringing half as much as they did this time last year. Cut Spiraea japonica and polygonum are in quantity, and for Memorial Day these two flowers are probably the most serviceable of any that are cut from outdoors. The demand for green material, such as asparagus, smilax and ferns, continues quite poor, and prices for these are yet low.

CHICAGO.—The market is suffering from an oversupply brought about by the extremely warm weather of the past few days. Roses and carnations have suffered principally. Most of the rose stock arriving is soft and open and goes for anything it will bring. Choice to select stock comes within the range of quotations on account of its scarcity. Carnations are very plentiful, but poor in quality, and after the best are taken from arrivals the rest go at any price obtainable for the different gradings. Clean cut transactions have been noted as low as a dollar a thousand. Lilies are not over plentiful, growers conserving their cuts for the holiday. Peonies are coming in quite briskly, with some showing of fine stock, prices running from 25c. to \$1 per dozen. The best stock, however, is being carried in the ice boxes, and appearances indicate that there will be a sufficiency for Memorial Day, especially as flowers grown nearby are coming in. Cattleyas are in much better supply; C. Mossie is most prominent, and good in quality. Large quantities of tulips are still arriving but show the effect of the weather, consequently are not taken. Sweet peas are plentiful, although the quality is no longer of the best, and prices naturally have dwindled. Iris, candidum lilies, cornflower, candytuft, daisies, and antirrhinum are plentiful, and move fairly well.

Memorial Day business is setting in lively, and there have been plenty of shipping orders booked. Without doubt there will be ample stock of all kinds for the requirements of the holiday, but with a continuance of the present weather really choice offerings will be on the short side.

Hardy ferns from cold storage have dropped to clearance prices on account of the appearance of new stock.

J. H. P.

CINCINNATI.—Business was the worst ever during the past week and the garbage cart was the best customer. There simply was no life at all, and thousands of carnations found their way to either the hospitals or the dump pile. Roses are not quite so plentiful, but what few we did have were not wanted. The outlook for the coming week is much better, and we hope to make up some of last week's losses. The extreme hot weather is ruining the carnations, and box after box arrives asleep. We must, however, take the bitter with the sweet and hope for better things in the future. E. G. G.

BOSTON.—Trade continues in a rather unsettled condition and while a good week is expected there are several features which will help to keep the local business from superseding former Memorial Day sales. Outdoor flowers of many kinds, especially the lilies, are now in their full glory and will continue so till the end of the week. Roses are still very plentiful and sell at from 50c. up to \$6. Some of the finer grades bring a little more, but some fine flowers bring very cheap. Richmond and Killarney continue to be favorites for the better class of work. Kaiserin Augusta Victoria and Souvenir du President Carnot are both now appearing in fine shape; these are still two of the best Summer roses. American Beauty do not have such a demand at this season; the extra fine grades bring as high as \$25, but there are very good grades sold at \$10 and \$15. Carnations are abundant and of fine quality; the colored and dark varieties have the best demand. The general price is \$1, \$1.50, \$2 and \$3, while some extra fine dark colored sorts sell for \$4.

Sweet peas are plentiful, selling at from 25c. up to 75c. and \$1. Lily of the valley from out of doors is abundant; it brings from \$1 to \$3. Lilies are plentiful but sell slowly; the general run of prices is \$4, \$6 and \$8. Marguerites are quite plentiful, but they sell well at \$1 and \$1.50. There are lots of candytuft which brings 25c. and 50c. a bunch. Antirrhinums are abundant at \$3 and \$6. Spiraea are always plentiful at this season, selling at \$2 and \$3. Gladiolus brings \$3 and \$6. Tulips of the late varieties are plentiful, selling at from 50c. to \$1.50. There is a good call for green goods; hardy cut ferns are in demand notwithstanding the prices are higher than last year. Asparagus Sprengeri sells well and there are lots of A. plumosus in the market. J. W. D.

ST. LOUIS.—Trade conditions in our market have not changed, and since my last report the rainy week has caused the florists to buy cautiously. There was really too much stock thrown on the market the past week and considerable was wasted at all of the wholesale houses, especially in carnations and roses; also a lot of outdoor stock which is coming in each morning. As to prices, we must say that these are very low, and in some cases would not look well in print. With Memorial Day at hand trade should pick up somewhat, and no doubt by Saturday the prices will advance a cent or two on fancy stock.

We are having too much rain to suit the greenhouse men; in fact, hardly a day has passed this month that no rain fell.

ST. PATRICK.

PHILADELPHIA.—The warm weather of the past week is to blame for the large quantity of cut stock seen in the local commission houses. Peonies are now very plentiful; the local condition of peonies is directly opposite to that of a year ago when the cold weather delayed their arrival until after Memorial Day. Prices on them range from 4c. up to 15c. for the very best. Some excellent carnations are to be had at 3c., but the ordinary grades run from 4c. to \$1.50. American Beauty are fine in some of the houses, but the demand is not great. Sweet peas go very slow. Asparagus in long strings seems to be in demand and some extra fine stock is shown. A large number of out of town shipments are reported by the wholesale houses. P. M. R.

INDIANAPOLIS.—The thousands of blossoms crowded upon this market find but little relief under conditions almost as stagnant as those of Midsummer. A temperature of 93 degrees in the shade has no mercy on the florist business at this season. Masses of carnations and other flowers, which, under ordinary conditions, would be available for Memorial Day, are barely able to withstand forty-eight hours of the present weather. The price for carnations varies from \$1 to \$2 per 100, at the buyer's option. Richmond, Kaiserin Augusta Victoria and La France are the best selling roses, at \$5 to \$7 per 100. Many shorts for funeral work are offered at 75c. to \$1 per 100. Harebell lilies and callas are frequently consigned to surrounding cities at \$10 to \$12.50 per 100. Sweet peas at 50c. per 100, and lily of the valley at \$2 to \$3 per 100 are the most satisfactory flowers for corsage purposes. Well-grown centaureas and Spanish iris find a sale quickly at 75c. to \$1 per 100. Fleur-de-lis (French iris) is seen on every hand and is of value for

decorative purposes only. The peony cut is about right for Memorial Day; any number of them are offered at \$2 to \$4 per 100. Home-grown, new crop fern leaves are in general use, as such a large percentage of the cold-storage ferns are not marketable. The bedding season continues at a merry gait, and the reports from this source are most encouraging. I. B.

FIRMS WHO ARE BUILDING.

Items for insertion under this heading are respectfully solicited from our subscribers. They are published free of charge.

BLACKWELL, OKLA.—John Heintz is building a rose house, 25x80 feet.

LITTLETON, COL.—T. S. Culp is preparing to erect a large greenhouse on Harrison street.

BOONE, IA.—Martin J. Lockard is erecting new greenhouses, and hopes to double his space next year.

MISSOULA, MONT.—The Missoula Nursery Company states that its business the past season has been very flattering; in fact, the demand has exceeded the supply, consequently the firm will require more greenhouses.

CHANGES IN BUSINESS.

The Florists' Exchange will be pleased to publish under this heading all changes occurring in the addresses of firms connected with the trade as well as notices of concerns or individuals just starting in business. All such items are inserted free of charge.

ST. JOSEPH, MO.—McGuire & Haefeli have moved into new quarters at 718 Felix street.

LOWELL, MICH.—E. J. Kinyon has erected a greenhouse and started in the florist business here.

OTTAWA, ILL.—Mrs. Fred. King has moved her florist store from 524 La Salle street to Madison street.

READING, PA.—Irvin H. Anderson has taken charge of the old Brookside greenhouses and is remodeling the place.

PROVINCETOWN, MASS.—I. & A. E. Biram are starting in business here as florists; a greenhouse is nearly finished.

MIDDLEBURY, VT.—Charles Bingham has purchased George Sheldon's greenhouse in Salisbury and will soon move it to his father's farm east of the village.

DES MOINES, IA.—The Guthrie-Lorenz Company has been incorporated, with a capital stock of \$3,000, to conduct a florist's business here.

MAYWOOD, ILL.—Harry G. Young, of Nineteenth avenue, has established a flower business near Mt. Carmel cemetery, known as the Mt. Carmel Flower Company.

STRETATOR, ILL.—Omar Fanning and his mother-in-law, Mrs. Ermie Eades, are preparing to build a greenhouse here. They will give especial attention to the growing of cucumbers.

WATERLOO, IA.—An organization to be known as the Waterloo Landscape and Nursery Company is to be established here. The company will have a capital stock of \$10,000 and the stockholders will consist of a number of prominent business men and will include nearly all the landscape gardeners in the city. The company will be authorized to do a general landscape business, handle nursery stock, do transplanting and the handling of trees of all kinds, etc. The following are the officers that will be in charge of the business during the first year: President, Walter Brown; vice-president and treasurer, C. R. Turner; second vice-president, Mark Wyant; secretary, C. H. Dietrich.

NORTHAMPTON, MASS.—In the appropriation bill recently signed by the Lieutenant-governor is an appropriation of \$34,000 for a new range of greenhouses of modern commercial type, with an attached teaching building for use of the floricultural department. It is not the intention of the college to engage in commercial floriculture, but a new range adapted to giving the students up-to-date instruction in methods of growing out flowers for the trade is badly needed.

Plant for Name.—T. H. S.—Eunymus alatus, a native of China and Japan.

Reading, Pa.

Jacob C. Bauder, 913 North Tenth street, reports business this year so far a little better than last season. He has an attractive store with plenty of light from all sides and the roof. The design work shown by Mr. Bauder was very fine, and there are some good orders on hand at this time for Memorial Day business.

Mrs. Clara Blockman, 116 North Ninth street, is having a good run of trade and is getting some nice orders for Memorial Day. She has been in about the same location for the past fifteen years and is ably assisted in her work by her daughter.

E. H. Beears & Son, 38 North Ninth street, report general good business; the orders for Memorial Day are coming in very nicely and trade is expected to be better than last year.

Visitors this week included R. Q. Shoch of W. E. McKissick; Mr. Jones of S. S. Pennock-Meehan Company; Arthur Niessen of Leo Niessen Company, and representatives of H. Bayerdorfer & Company and M. Rice & Company.

John Giles has one of the most attractive stores in town and seems to be getting enough work to keep his entire force going most of the time. The store is finished in white and gold, and is located in a busy part of the town. At this time he is working on some outside decorations at one of the local parks and is also making up a lot of Memorial Day designs. Mr. Giles is a member of the local Board of Trade and is one of the best known men in Reading. One of his greenhouses is connected with the store, which makes it very handy for him to cut stock as needed.

The Penn Flower Shop is located on the principal business street, and the frequent changing window display is one of the local attractions. The proprietor, Mr. Kellar, is noted for his courteous treatment of the traveling salesmen who visit his place.

H. J. Huesman of the Brookside Cut Flower store reports good prospects for Memorial Day. His greenhouses are located at Schuykill avenue and Greenwich street.

The seed store of Aug. W. Masser is now a most busy place, more so than in former years. Mr. Masser believes in getting the best to be had and charges accordingly, but he also gets the trade.

The Reading florists all seem to be busy, although the purchases are not as extensive as in former years, owing to the large number of people out of work. The street peddler is an unknown quantity in this town. The best trade at this season is in bedding stock and the sales have been very good. Most of the cut stock handled is shipped from Philadelphia commission houses, each of which sends a representative up here almost every week.

Showers were very plentiful most of the week and made local planting disagreeable and slow. P. M. R.

BOOKS

GARDENER'S ASSISTANT,	\$15.00
Write for Prospectus	
VIOLET CULTURE,	1.50
THE HEATHER,	1.50
AMERICAN CARNATION,	3.50
PLANT CULTURE,	1.00
HOUSE PLANTS, cloth	1.00
“ “ paper	.50
RESIDENTIAL SITES,	2.50
TELEGRAPH CODE,	2.50
Book of Water-Gardening	2.50

A. T. De La Mare Ptg. and Pub. Co. Ltd., N. Y.

Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS EXCHANGE.

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Wholesale
Commission Dealer in **Cut Flowers**
106 West 28th St., NEW YORK
Open at 6 P. M. every day
Telephone, 167 Madison Square
Consignments Solicited

C. BONNET **G. H. BLAKE**
BONNET & BLAKE
Wholesale Florists
106 Livingston Street, BROOKLYN, N. Y.
Telephone: 4634 Main
Consignments solicited. Out-of-town orders
carefully attended to. Give us a trial.

CUT FLOWER EXCHANGE
Sixth Ave. and 26th St.
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Open every Morning at Six o'clock for the
Sale of Cut Flowers.
Wall Space for advertising purposes to Rent.
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GROWERS, ATTENTION!
Always Ready to Receive Fine Stock
GUNTHER BROTHERS
114 West 28th Street
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Violets, Roses, Carnations, Orchids
Established 1888

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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES, CARNATIONS.
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Consignments of first class stock solicited.
Prompt returns.
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THE WHOLESALE FLORIST OF NEW YORK
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PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

ALFRED H. LANGJAHR
All choice **Cut-Flowers** in season. Send for quotations.
Correspondence with shippers of first-class stock invited.
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AMERICAN BEAUTY, BRIDE, BRIDESMAID, RICHMOND AND KILLARNEY ROSES.
VIOLETS, CARNATIONS, CHRYSANTHEMUMS, AND ALL OTHER VARIETIES OF CUT FLOWERS
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Wholesale Prices of Cut Flowers, New York, May 27, 1908
Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY laocy-special	8.00 to 10.00	Carnations	Int'r grades, all colors	.50 to .75
	" extra	5.00 to 8.00		STANDARD White	.50 to .75
	" No. 1	4.00 to 5.00		VARIETIES Pink	.50 to .75
	" No. 2	2.00 to 3.00		Red	.50 to .75
	" No. 3	.50 to 1.00		Yel. & Var.	.50 to .75
	Bride, Maid fancy-special	4.00 to 5.00		*FANCY- White	.75 to 1.50
	" extra	1.00 to 3.00		(*The highest grades of standard var) Pink	.75 to 1.50
	" No. 1	.50 to 1.00		Red	.75 to 1.50
	" No. 2	.50 to 1.00		Yel. & Var.	2.00 to 3.00
	Golden Gate	1.00 to 1.50		(NOVELTIES)	.50 to 3.00
RICHMOND	1.00 to 6.00	GARDENIAS, per doz.	.25 to .50		
Mrs. Abel Chateauay	1.00 to 6.00	LILAC, per bunch	2.00 to 4.00		
ADRIANUM	.50 to .75	LILY OF THE VALLEY	1.00 to 2.00		
CROWNEANUM	.50 to 1.50	MIGNONETTE	1.00 to 2.00		
ASPARAGUS	25.00 to 50.00	NARCISSUS (Paper White)	..... to	
" Plumosus, bunches	10.00 to 20.00	" Yellow	..... to	
" Sprengerii, bunches	10.00 to 20.00	POETICUS	.10 to .25		
CALLAS	3.00 to 6.00	SMILAX	8.00 to 10.00		
CATTLEYS	25.00 to 50.00	ANTIRRHINUM (per bunch)	.50 to 1.00		
CYPRIPEDIUMS to	SWEET PEAS (per doz. bunches)	.25 to .75		
DAISIES	.75 to 1.00	PEONIES	4.00 to 10.00		
 to to		
 to to		

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Wholesale Florist
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ALL VARIETIES OF CUT FLOWERS IN SEASON.

TOP GRADE FOR SHIPPING
American Beauty, Bridesmaid, Bride, Liberty,
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Shipping orders receive prompt attention.
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Wholesale Florists
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Consignments of Choice Cut Flowers Solicited
Prompt Payments. Give Us a Trial

Washington, D. C.
Trade Notes.
Washington is suffering from a glut in peonies; the hot wave brought them out by the scores. In addition to those grown by the trade many of the country folk, who conceived the idea a few years ago that there was a fortune in peonies, entered into competition with the grower and the result is now being felt. Should such torrid weather conditions last there is a very slight probability of enough home-grown peonies to fill orders for Memorial Day, which, as a rule, relieves the market of an oversupply.

The sales of bedding stock have not been very satisfactory this season, owing, many think, to the general depression in commercial circles which seems to go hand in hand with the presidential election year; this applies locally to almost every branch of trade.
During the past few months some excellent improvements have been made by the respective florists who occupy stands in Center Market; chief among these are the well-arranged display stands of Harry Robey and F. H. Kramer.
David Bisset, Garret Park, Md., the well-known violet expert, has torn down his range of glass, water tower, etc., and is moving same and rebuilding at his new home several hundred yards distant. Mr. Bisset is arranging a model plant and will from present prospects, by Fall, be in a position to cut even more excellent flowers than before.
David Grillbortzer, Alexandria, Va., who was married recently to Miss Dreifus of that city and took an extended Northern tour, is back at business and receiving the good wishes of his many friends.
JAS. L. CARBERY.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

STORE OPEN
7.30 A. M. to 8 P. M.

1608 to 1620 Ludlow Street

June Commencements **June Weddings**
 Fine Sweet Peas (all colors), 50c., 75c. and \$1.00 per 100.
 Valley, 2c., 3c. and 4c. **Cattleyas, 50c.**
 Long Strings of Asparagus, 50c., 75c., \$1.00
 JUST THE THING FOR DECORATING, AND A FULL LINE OF OTHER FLOWERS AND GREENS

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Philadelphia, Pa.

JUNE Commencements Weddings

Select Valley
 Fine Beauties
 Excellent Paeonies
 and Carnations

Wholesale Prices of Cut Flowers—Per 100

Boston May 26, 1908	Buffalo May 25, 1908	Detroit May 24, 1908	Cincinnati May 25, 1908	Baltimore May 18, 1908	NAMES AND VARIETIES	Milwaukee May 25, 1908	Philadelphia May 26, 1908	Pittsburg May 25, 1908	St. Louis May 25, 1908
15.00 to 25.00	20.00 to 25.00	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	A. BEAUTY, fancy-special	12.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
10.00 to 15.00	15.00 to 20.00	18.00 to 20.00	18.00 to 20.00	18.00 to 20.00	" extra	12.00 to 15.00	15.00 to 20.00	10.00 to 15.00	12.50 to 15.00
4.00 to 10.00	8.00 to 12.00	8.00 to 15.00	8.00 to 15.00	8.00 to 15.00	" No. 1	6.00 to 8.00	12.00 to 15.00	5.00 to 8.00	6.00 to 10.00
1.00 to 4.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	" Culls and ordinary	2.00 to 4.00	3.00 to 5.00	2.00 to 3.00	2.00 to 5.00
4.00 to 6.00	6.00 to 8.00	8.00 to 10.00	4.00 to 10.00	8.00 to 10.00	BRIDE, MAID, fancy-special	4.00 to 6.00	6.00 to 10.00	6.00 to 8.00	4.00 to 6.00
2.00 to 4.00	5.00 to 6.00	6.00 to 8.00	3.00 to 5.00	7.00 to 8.00	" extra	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
1.00 to 2.00	4.00 to 5.00	4.00 to 6.00	2.00 to 3.00	6.00 to 7.00	" No. 1	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	" No. 2	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	GOLDEN GATE	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	K. A. VICTORIA	4.00 to 6.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	LIBERTY	4.00 to 6.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	PERLE	2.00 to 4.00	3.00 to 4.00	4.00 to 6.00	4.00 to 6.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	ORCHIDS—Cattleyas	2.00 to 4.00	3.00 to 4.00	4.00 to 6.00	4.00 to 6.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	Interior grades, all colors	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	Standard	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	Verieties	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	Pink	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	Red	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	Yellow and var.	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	White	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	Fancy	2.00 to 3.00	1.00 to 2.00	2.00 to 3.00	1.00 to 1.50
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	Verieties	2.00 to 3.00	1.00 to 2.00	2.00 to 3.00	1.00 to 1.50
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	Novelties	2.00 to 3.00	1.00 to 2.00	2.00 to 3.00	1.00 to 1.50
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	ADIANTHUM	2.00 to 3.00	1.00 to 2.00	2.00 to 3.00	1.00 to 1.50
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	ASPARAGUS, Plum. and Tea	2.00 to 3.00	1.00 to 2.00	2.00 to 3.00	1.00 to 1.50
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	Sprenger, bunches	20.00 to 30.00	35.00 to 50.00	30.00 to 50.00	25.00 to 50.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	CALLAS	8.00 to 10.00	10.00 to 12.50	8.00 to 10.00	6.00 to 8.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	CHRYSANTHEMUMS	8.00 to 10.00	10.00 to 12.50	8.00 to 10.00	6.00 to 8.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	DAISIES	8.00 to 10.00	10.00 to 12.50	8.00 to 10.00	6.00 to 8.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	GLADIOLUS	8.00 to 10.00	10.00 to 12.50	8.00 to 10.00	6.00 to 8.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	LILIES	8.00 to 10.00	10.00 to 12.50	8.00 to 10.00	6.00 to 8.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	LILY OF THE VALLEY	8.00 to 10.00	10.00 to 12.50	8.00 to 10.00	6.00 to 8.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	MIGNONETTE	8.00 to 10.00	10.00 to 12.50	8.00 to 10.00	6.00 to 8.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	SMILAX	8.00 to 10.00	10.00 to 12.50	8.00 to 10.00	6.00 to 8.00
1.00 to 2.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	4.00 to 5.00	PEONIES	8.00 to 10.00	10.00 to 12.50	8.00 to 10.00	6.00 to 8.00

Boston.

News Notes.
 Robert and Frank Edgar will withdraw from the W. W. Edgar Company June 1 and will run the new establishment on the hill under the firm name of Edgar Brothers. They will continue to grow plants and flowers for the general wholesale trade. The old place near the Waverley station will be continued by the W. W. Edgar Company, with H. S. Bartsch as manager.

Samuel Beck, who has been salesman for James Tulis of Sudbury for the past six years, has severed his connection with that grower. Mr. Beck intends to spend some time in New York before relocating.

H. Hanson of Malden and F. J. Dolansky of Lynn are each shipping a fine lot of well grown dracaenas which have a good sale for vase and box work.

Charles Evans has a fine cut of outdoor lily of the valley.

The sad death of his son, a young man twenty-two years old, by being struck by a train in Bridgeport where he was employed, came to Paul Reysik of the wire department of Welch Brothers last week.

Penn has a busy store on Bromfield street at all times. Design work is a specialty with him and he has been exceptionally busy lately.

Hoffman continues to make his store attractive with seasonal flowers. A neat sign in the window gives the European steamer sailings from New York and this city.

W. H. Elliott, Brighton, has an extra fine stock of young grafted roses in all the popular varieties. He is one of the largest growers in the country, and this year his plants are better than ever before.

J. W. DUNCAN.

Rochester, N. Y.

Trade Notes.

The last week was one of ceaseless activity in all branches of the trade; and with a continuance of good weather there is a prospect of good Spring sales.

The attendance at the last meeting of the Commercial Florists' Association, with Fred Vick as president, warrants the actions of some committees who are investigating the advisability of a Fall flower show. This project seemed to meet with general approval.

The cut flower market is naturally at a standstill, although good stock is somewhat scarce. No set price can be quoted on any one article, as the quality varies considerably.

Some effort was made to raise the price on bedding stock, geraniums, etc., but was not a success, some even selling below the usual figures. Whether the price will ever go up is a conundrum, but with increased cost of labor, coal, horse feed, etc., something will surely have to be done and that soon. Admitting, of course, that this is an off year, financially, what better time for a raise in price, when business is a trifle slow, and current expenses are even more than formerly? When some of us wake up one morning and find the sheriff at the door, we shall wonder why, but the reason will be apparent then as it is now to

COCKNEY.

Pittsburg Cut Flower Co.
 LIMITED
WHOLESALE FLORISTS
 222 Oliver Ave., Pittsburg, Pa.

Indianapolis.

New Items.

Tomlinson Hall market enjoys a better trade these days than the flower shops. The masses are accommodated there with thousands of bedding plants at 5c. to 10c. each.

Frank Lichtenberg, manager for Wolfskill, the Los Angeles florist, will leave for his home city in a few days. The Roepke & Rieman Company has taken possession of the Smith & Young Company's establishment, and has enjoyed a brisk business from the start. This is one of the few deals with which both parties are immensely satisfied.

John Rieman furnished a large order of red carnations to the Masons last week.

Canterbury bells, hydrangeas, feverfew, gloxinia and calceolaria plants are offered for Memorial Day.

John Bertermann and family have taken up their summer residence at Cumberland.

B. F. Hensley of Knightstown was a recent visitor. He is planning to erect three new houses, 28 x 200 each, this summer. A bright future is predicted for the West View Floral Company, of which he is the proprietor.

I. B.

CHESWICK, PA.—George Macrae, florist, died recently at his home here.

BOSTON, MASS.
WELCH BROS.
 PROPRIETORS
CITY HALL CUT FLOWER MARKET
 226 Devonshire Street.
 Carnots Orchids Valley Carnations Violets
 Can furnish at short notice. Price according to quality of goods. Long Distance Telephone 6267 and 6268

JUNE WEDDING DECORATIONS
 Large Sprays of DEUTZIA, SYRINGA, SPIREA, Etc.
 Large Cases, \$5.00 Medium Cases, \$3.00 Small Cases, \$2.00
 Cases are packed solidly. We have made a reputation on this material.
GEO. B. HART, Wholesale Florist, 24 Stone St., ROCHESTER, N. Y.

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 WHOLESALE FLORISTS
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 Wholesale Florist
 1402 Pine St., St. Louis, Mo.

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 WHOLESALE FLORISTS
 1517 SANSON STREET
 High Grade Cut Flowers
 Store opens at 7.30 A. M. Closes at 8 P. M.

Headquarters in WESTERN NEW YORK
For Roses, Carnations
 And all kinds of Seasonable Flowers.
WM. F. KASTING CO.
 Wholesale Commission Florists
 Dealers in Florists' Supplies and Wire Designs
 383-87 E. 11th St. BUFFALO, N. Y.
 Give us a trial. We can please you.

EDWARD REID
 Wholesale Florist
 Choice Roses and Valley and all seasonable stock
 Send for Price List. Both Phones.
 1526 Ranstead St., PHILADELPHIA, PA.

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DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS

Inside Chicago Market Quotations

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Long Distance Phone, Central-6004

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and FLORISTS' SUPPLIES

C.C. Pollworth Co.
Milwaukee, Wis.

"The Busiest House in Chicago"
J. B. DEAMUD CO.
Wholesale Florists
51 Wabash Ave.

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Wholesale Growers of
CUT FLOWERS
All telegraph and telephone orders given
prompt attention.
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RICHMOND, INDIANA

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in Cut Flowers
All telegraph and telephone orders
given prompt attention.
Greenhouses: 35-37 Randolph St.,
MORTON GROVE, ILL. CHICAGO

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Send us your Orders for delivery in the
Northwest, which will have our
best attention.
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Florists, St. Paul, Minn.

All Leading Varieties of
Roses and Carnations
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Headquarters for American Beauty Rose

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Wholesale Florists
Valley, Carnations and Roses
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The Old Reliable
FOR
CUT FLOWERS AND SUPPLIES
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PLANT CULTURE
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Manufacturers of WIRE DESIGNS
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J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations
A Specialty
WHOLESALE GROWER of CUT FLOWERS

Wholesale Prices of Cut Flowers, Chicago, May 27th, 1908
Prices quoted are by the hundred unless otherwise noted

ROSES		CARNATIONS	
American Beauty		STANDARD VARIETIES	
36-inch stems.....per doz.	1.50 to 3.00	White.....	.50 to 1.50
30-inch stems....."	1.00 to 2.00	Pink.....	.50 to 1.50
24-inch stems....."	.75 to 1.00	Red.....	.50 to 1.50
20-inch stems....."	.....to .75	Yellow & var.....	.50 to 1.50
18-inch stems....."	.....to .50	*FANCY	White.....
12-inch stems....."	.....to .35	* The highest grades of Sta'd varieties.	Pink.....
8-inch stems and shorts "	.....to .25		Red.....
Bride Maid, fancy special...	4.00 to 6.00		Yellow & var.....
" extra.....	.....to 4.00	NOVELTIES	.....to 4.00
" No. 1.....	2.00 to 3.00	LILAC, per bunch.....	.....to
" No. 2.....	.50 to 1.50	LILIES, Harrisli.....	5.00 to 8.00
Golden Gate.....	2.00 to 6.00	CALLAS.....per doz.....	.75 to 1.00
Uncle John.....	2.00 to 6.00	SMILAX.....	10.00 to 12.00
Liberty.....	2.00 to 6.00	LILY OF THE VALLEY.....	1.00 to 3.00
Richmond.....	2.00 to 8.00	HARDY FERNS per 1000.....	.75 to 2.00
Killarney.....	2.00 to 8.00	GALAX (green).....	.....to 1.00
" extra.....	10.00 to 12.00	" (bronze).....	.....to 1.00
Perle.....	2.00 to 6.00	MIJONNETTE.....	.....to
Chatenay.....	2.00 to 6.00	VIOLETS, double New York.....	.....to
K. A. Victoria.....	2.00 to 6.00	" local double.....	.....to
Mrs. Marshall Field.....	3.00 to 8.00	" " single.....	.....to
ADIANTUM.....	.75 to 1.00	NARCISSUS.....	.....to
ASPARAGUS, Plum. & Ten.....	.35 to .50	ROMANS.....	.....to
" Sprenger, bunches.....	.35 to .50	SWEET PEAS.....	.30 to .50
Orchids—Cattleyas.....	40.00 to 50.00	TULIPS.....	.25 to .50
CYPRIPEDIUM.....	.....to	PAEONIES.....	.25 to 1.00
.....	.....to .....	.....	.....to
.....	.....to .....	.....	.....to

Chicago.
News of the Week.
The bankruptcy proceedings against the J. D. Thompson Carnation Company, Joliet, Ill., have been dismissed by order of court, the concern being declared solvent. At the hearing it was shown that the assets amounted to about \$60,000, with an indebtedness of less than \$11,000.
Miss Tonner, who has charge of the florists' supply department of the A. L. Randall Company, has been confined to her residence for several days through illness.
Extra long-stemmed Richmond roses are a feature of the daily receipts from Morton Grove, at Poehlmann Brothers Company's store.
The Des Plaines Floral Company, Des Plaines, is cutting some splendid Bride gladioli, and shipping it to the J. B. Deamud Company, where it is quickly disposed of.
The conservatory at Washington Park at present furnishes an excellent display of pelargoniums, calceolarias, and fuchsias, the exhibit of each comprising quite a collection of varieties. The large flower beds in front of the conservatory have been planted with bedding stock, and will soon be in their glory. The park borders are ablaze with flowering shrubs, and the excellent system followed in displaying the names of the different subjects makes the planting doubly interesting to visitors who appreciate an education of this kind and do not fail to take advantage of it.
The Albert F. Amling Company, Maywood, is building five 300-foot additional greenhouses, which are to be stocked with American Beauty roses.
Jensen & Dekema have a house of single and double stocks in all colors, from which a large daily cut is taken.

CHAS. W. MCKELLAR
ORCHIDS
FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS
51 Wabash Ave., Chicago

A. L. RANDALL CO.
Western Headquarters for
Up-to-Date Florists' Supplies
Write for Catalogue
Nos. 19-21 RANDOLPH ST., CHICAGO

In their carnation houses quite a lot of benching has been done already. Field work has been hindered by the rainy weather, but all hands took advantage of the few fine days last week and planting is approaching completion.
August Ericson, of Bowmanville, is cutting heavily from a splendid crop of carnations. Boston Market, Enchantress, Mrs. T. W. Lawson, and Mrs. M. A. Patten are the varieties. Mrs. T. W. Lawson is in excellent shape, and the unfavorable comments made generally as to the passing of this variety could not be substantiated here. The flowers show excellent color, and are borne on very long stems. Two benches, side by side, form an object lesson as to the value of indoor and outdoor planted stock. One bench was planted with indoor stock, and the other with field stock. The former came into cut much earlier, and has produced better flowers. Both benches are looking grand, but even now the advantage of the indoor bench stock is plainly seen. The indoor stock furnished a fine cut for Thanksgiving, but the field stock did not make much of a show before Christmas. There are five 140-foot houses and a 116-foot house in the establishment, and an additional house, 34 by 116 feet, is going up this Summer.
At the establishment of J. A. Budlong considerable work was accomplished last week in the benching of early chrysanthemums.
H. A. Banske is cutting a nice crop of American Beauty, Richmond, Bride and Bridesmaid roses from his houses on North Western avenue. The stock in the benches appears to be in the pink of condition, and its uniformity of growth speaks volumes for the careful culture which is here prac-

used. Mr. Banske, not a believer in the policy of discarding tea roses after three or four years' growth, and some of his stock is pointed to as being ten or more years old, but, of course, having the soil in the benches replenished.
J. A. Peterson of Cincinnati was in town last week and, as usual, carried a fat order book away with him.
Much interest is taken in the big model now on view in Blackstone Hall in the Art Institute, showing the proposed improvements in Grant Park, and the Lake front. The improvements are extensive in character, and provide for an unusually liberal arrangement of trees, and open spaces for flower bedding effects.
Chas. W. McKellar reports a good demand for cuttleyas. He has some very fine C. Mossie arriving daily—large full flowers, excellent in color.
Vaughan & Sperry have just installed a commodious ice-box in their quarters at the Flower Growers' Market. The new box is a welcome addition to the firm's facilities for handling their peony business which is heavy just now.
Bassett & Washburn and Poehlmann Brothers Company have occasionally on their counters some blooms from a small stock of "Red Kaiserin" roses which they are trying out. The rose has all the characteristics of the white variety with the exception of the color, which is really a deep pink, something midway between the deepest tone of the Mrs. Potter Palmer rose and that of American Beauty. As a commercial variety it is quite promising.
S. E. Dangle, representing the Ellis-Chalmers Company of New York, is in town talking Plant-Blood to the trade.
Word has been received here that the East End Floral Company, Memphis, Tenn., is in the sheriff's hands.
The Poehlmann Brothers Company has benched several thousand carnation plants from 4-inch pots, the finest ever planted in their establishment.
Dominick E. Freres, salesman with J. J. Kruecher, was married on Tuesday, to Miss Mary Muno, daughter of John Muno, of High Ridge, Ill.
J. H. Pepper.

The horticultural books, some 350, together with catalogues, pamphlets, etc., on subjects pertaining to the trade, belonging to the late Edgar Sanders, have been donated by his daughter, Mrs. Victor, to the John Crerar Library of Chicago, where there is already a fine collection of books on horticulture. About 50 or 60 miscellaneous volumes have been given to the Newberry Library; while all his political and historical works on Chicago or Lake View have gone to the Chicago Historical Society. It was the hope of Mrs. Victor and the other members of Mr. Sanders's family that some arrangements could be made whereby the volumes relating to horticulture could finally come into the possession of the Chicago Horticultural Society, when that organization should have a library of its own; but as it was necessary to dispose of the books as early as possible, and no city library would accept them in trust, the plan carried out, and here referred to, was ultimately adopted.

GUTHRIE, OKLA. The house has ordered to engrossment the Hawkins bill relating to insects and diseases which are injurious to growing crops, nursery stock, fruit and shade trees, bushes, shrubbery, and vines, grains, fruits and vegetables, providing for the establishment and maintenance of quarantine regulations for the purpose of preventing the introduction and dissemination of the same and injurious plants and providing for the inspection and regulation of nursery agents.

NEWPORT, R. I. George W. Klotz, a former naval apprentice, has been arrested, and has confessed to breaking into the store of Henry J. Haas, florist.

Henry M. Robinson & Co.

Wholesale Commission Florists

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Bronze Galax, best quality \$8.50 case of 10,000.
Green Galax, best quality \$7.50 case of 10,000.
New crop Dagger and Fancy Ferns, \$2.00 per 1,000.

Laurel Festooning, Box-wood, Sphagnum and Green Moss, Southern Wild Smilax, Leucothoe Sprays, etc.



5 Province St. and 9 Chapman Place, Boston, Mass.

A. HERRMANN

Manufacturer of **Floral Metal Designs**

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

OFFICE AND WAREHOUSES: 404, 406, 408, 410, 412 East 34th St.

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SPECIAL OFFER FOR TEN DAYS

Nice, fancy Ferns, 85c. per 1000. Good Dagger Ferns, \$1.00 per 1000. New crop Dagger Ferns, \$1.50 per 1000. Galax, Green or Bronze, \$1.00 per 1000; case lots, 10,000, \$7.50. 50 lb. cases Wild Smilax, \$6.00. Leucothoe Sprays, Bronze or Green, 40c. per 100. Ground Pine, 5c. per lb. or 5c. per yd. Picee and Laurel wreaths for Decoration Day use; Picee, \$1.50 per doz.; Laurel, \$2.50 and \$3.00 per doz.

Send your orders early for your decoration use. Laurel Festooning, 4c., 5c. and 6c. per yd.; made daily fresh from the woods. Box-wood, No. 1 quality, \$8.00 per case, 50 lbs.



Telegraph office: New Salem, Mass.
L. D. Phone Connections.

GROWL FERN CO.,

MILLINGTON, MASS.

HARDY CUT FERNS

FANCY and DAGGER. Extra fine, \$1.75 per 1000. BRONZE and GREEN GALAX, \$1.25 per 1000, \$7.50 per 10,000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. BOX-WOOD, per bunch, 35c.; 50 lbs., \$7.50. FANCY and DAGGER FERN our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
WHOLESALE COMMISSION FLORISTS

38-40 Broadway, DETROIT, MICH.

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EDWARDS FOLDING BOX CO.

MANUFACTURERS

PHILADELPHIA, PA.

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Prices Advertised in these Columns are for

BOWLING.

NEW YORK.—The undernoted scores were made last Friday evening at Thum's Alleys. The second and third games are on account of the Traendly and Marshall prizes:

Berry	151	106	166	104	138
Donaldson	128	112	124	127	159
Shaw	142	106	138	134	146
Marshall	148	149	149	160	138
Manda	159	150	150	121	123
Lentz		156	177	132	190
Matthews		133	106	122	91
Traendly		148	120		
Birnie				125	80

SEATTLE, WASH.—David Shanks, a horticulturist and planter of the well-known Shanks orchard at West Seattle, died Sunday, May 17, 1908, at the family residence, 531 Thirtieth avenue, south. He had been suffering for about three months from cancer of the stomach.

Mr. Shanks was born of Scotch parents in Quebec, Canada, in 1846. He moved to California in 1883 and ten years later went to Seattle. On the uplands at West Seattle Mr. Shanks planted his orchard and brought his trees to perfection under the dry-culture system. The orchard is acknowledged as probably the finest west of the Cascades. He moved across the bay two years ago. He is survived by his widow and one son, George.

Pittsburg.

Trade and News Notes.

There was very little improvement in trade the past week, but the prospects for the coming week look fairly bright, as some nice orders for Memorial Day are booked. There will be considerable outdoor stock which will have a tendency to keep down prices on flowers grown under glass. The demand for flowers for the decoration of graves is increasing from year to year and will likely be good this week regardless of the dull times. Iris and peonies are in best demand among outdoor stock; some nice blooming branches of Southern magnolias and coral plants are very attractive, but rather frail. Carnations and roses are in good shape, the weather being very favorable with no great heat as yet, excepting to-day, the 25th, when the thermometer was trying hard to get near the nineties. The plantmen will have a busy week; the markets are full of stock, but trade is hardly as active as it should be and prices are lower than last season.

Faulk Brothers, florists in the North Side market, received an order for a most unique floral design to be placed on the grave of George E. Smith, who was well known as "Pittsburg Phil." among the followers of the race tracks of the country and whose home was in this city. It will be a floral horse, life-size, and will be made mainly of white carnations, requiring many thousand flowers to fill the frame. The wire frame was made by the Florists' Exchange and it was the first order for anything of that sort they ever filled. Faulk Brothers had the order last year for a floral horse-shoe about 8 feet long.

G. & J. W. Ludwig had a nice order for the decoration of the Music Hall in the Exposition building the past week, for the Frohsinn Singing Society, also for the exhibition of the children of the public schools.

The news of William Scott's death at Buffalo was quite a shock to our florists, for he was well known and well liked by all. E. C. Ludwig and Fred Burki sent floral designs to Buffalo for the funeral.

Frank J. Farney, traveling for the A. L. Randall Company, wholesale florists of Chicago, was a visitor the past week—his first visit to our city, which much impressed him. H. A. Bunyard also spent a few days in town.

F. Schreiber, who has been employed by G. & J. W. Ludwig in the North Side market for some time, left for his old home in Austria last week.

As a recognition of William Hamilton's 30 years of service in charge of the North Side parks some of his florist friends who have known him well tendered him a banquet last week—a very pleasant affair, much appreciated by Mr. Hamilton. Among those present were Messrs. Falconer, Negley, Semple, Loew, Burki, Langhans and Clark of the Pittsburg Cut Flower Company; Mr. Demas of the Florists' Exchange, Price and Fraser, private gardeners; Mr. Moore and Mr. Jones, foremen of the park conservatories; Bader, Randolph and Wyland, prominent growers; Mr. Frischkorn of W. C. Beckert, seedsman; G. J. W., E. C., and De Forest Ludwig and your correspondent. It was a very sociable gathering. Mr. Falconer acted as toastmaster and called upon everyone present to make a speech.
E. C. REINEMAN.

WOONSOCKET, R. I. — Simon Colitz, proprietor of the Rustic Flower Store, will on June 11 marry Miss Ida Caplan, daughter of Mrs. Esther Caplan, Roxbury, Mass. The wedding will take place at Mindt's Hall, Boston.

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

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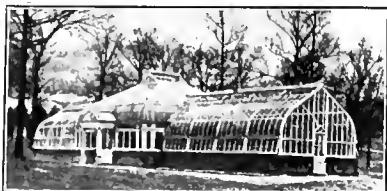
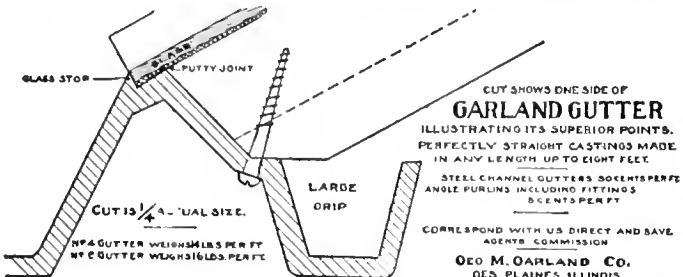
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W. M. Riggs, Director.

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In concluding this transaction, I desire to express to you my hearty appreciation of the excellence of your work, and the honesty and courtesy of your methods. We believe that we have one of the best greenhouses in the South, and any time that you need a good word, I hope you will not fail to call on us. Yours truly,
W. M. RIGGS, Director.
GEORGE PEARCE, - Orange, N. J.

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Furnished in lengths up
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The HOSE for the FLORIST
1 1/2-inch, per ft., 15 c
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Couplings furnished.
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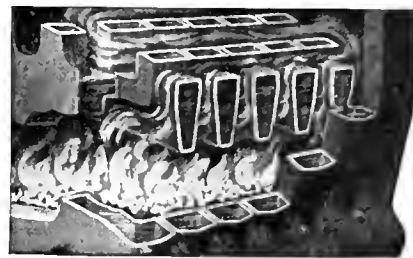
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that has more to do with its
Economy than the rest

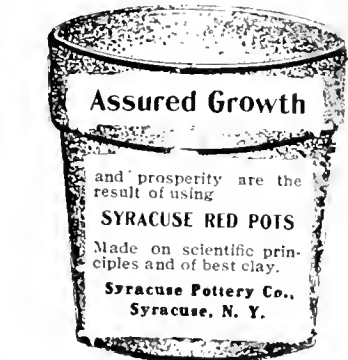
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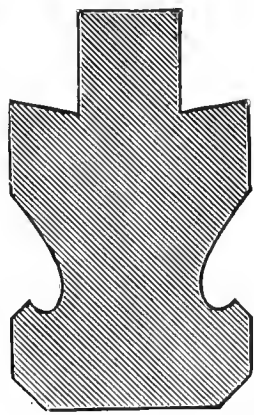
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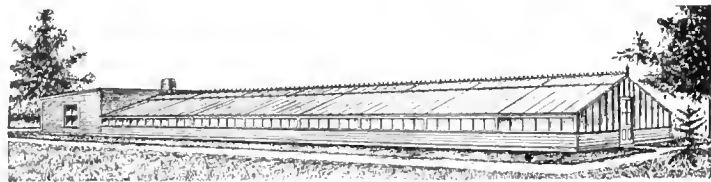
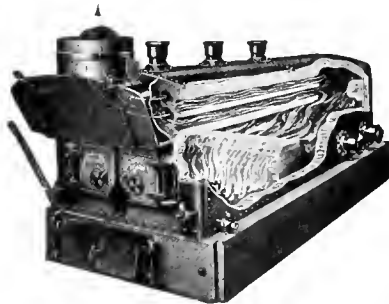
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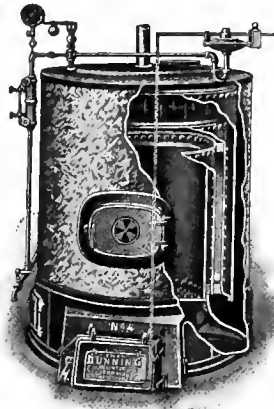
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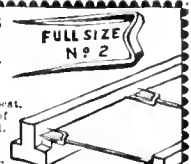
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No. 1

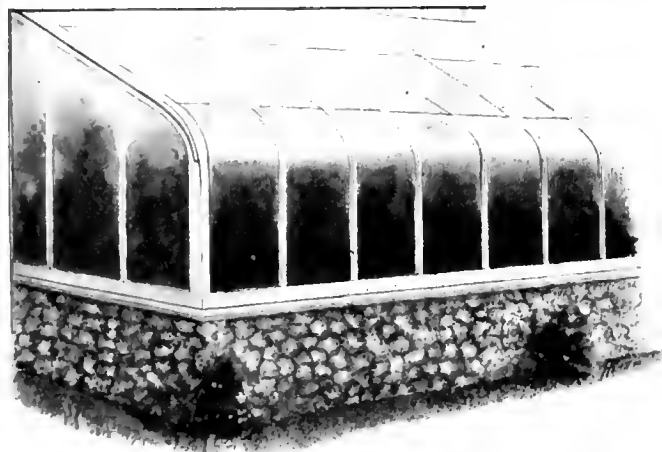
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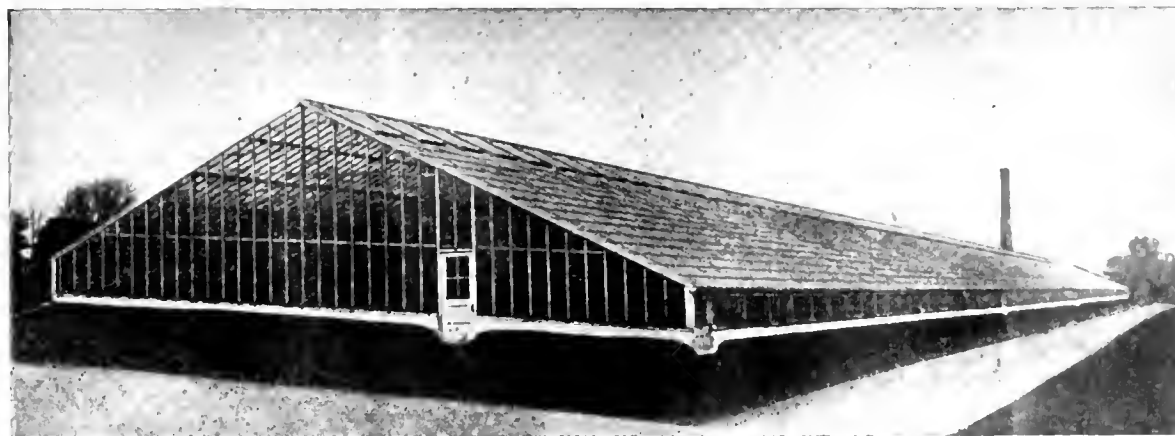


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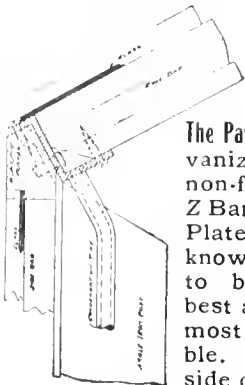
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S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

TAKEN FROM OUR CALENDAR

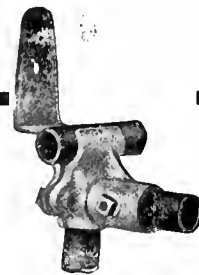
JUNE'S the dream month, a fellow can't help it when the sky is so blue and the birds are so care-free—who wouldn't be happy if singing all day and flitting about was all there was to it? But don't you fool yourself; they're busy all right, mighty busy getting their nests ready. Why don't you take a pointer from them, and get your benches ready and wiring frames up? We have the most complete, practical thing going, in the way of bench fittings, the kind of thing you've been looking for.

Then our wiring frames are all that a good, handy-to-put-up, last-forever frame should be—use these things and you, too, will sing like the birds.

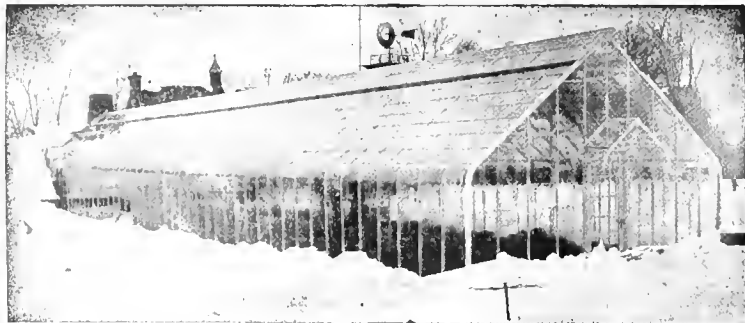
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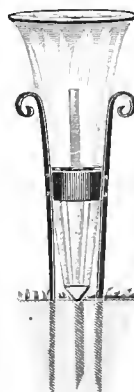
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The Florists' Supply House of America

THE LATEST IMPROVED GLASS CEMETERY VASE

Non-Corrodible and Indestructible. Holds flowers firmly in place and displays them to best advantage.

BASKETS and WEDDING OUTFITS for June weddings.
ITALIAN POTTERY for decorative purposes.
METAL DESIGNS, all kinds. **IMMORTELLS**, all colors. **MAGNOLIA LEAVES** and made-up **MAGNOLIA WREATHS** are good investments.

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Our Catalogue is Free.

H. BAYERSDORFER & COMPANY

1129 Arch St., PHILADELPHIA

FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXV. NO. 23

NEW YORK AND CHICAGO, JUNE 6, 1908

One Dollar Per Year

CANNAS

Started plants in 3½ and 4-in. pots, ready for immediate planting.

Mme. Nardy, Mlle. Berat, Robert Christie, Golden King, Pennsylvania, L. Patry, Florence Vaughan, Pandora, Austria, Souv. d'Antoine Crozy, Rohallion, Pierson's Premier, Queen Charlotte, Frederick Benary, etc. Extra strong plants, \$6.00 per 100.

Vincas and English Ivies Extra fine plants in 3½ and 4-in. pots, for vases, tubs, etc. \$8.00 per 100; extra size, \$10.00 per 100.

PANSIES, ENGLISH DAISIES and FORGET-ME-NOTS. \$3.00 per 100.

CROTONS for bedding. Extra strong plants, 3½-in. pots, \$25.00 per 100; 5-in. pots, \$50.00 per 100.

HYDRANGEA OTAKSA Large Plants in Tubs and Half-Barrels for Tubs and August-flowering. We make a specialty of these, and have a magnificent lot of large plants, which we can supply in any quantity—from single plants up to carload lots. Large plants in tubs, \$2.00 and \$3.00 each. Extra large plants in half-barrels, \$5.00 and \$7.50 each.

ACALYPHA MUSAICA. Extra choice, for bedding. 2½-in. pots, \$6.00 per 100.

PANDANUS VEITCHII. 5-in. pots, \$9.00 per dozen; 6-in. pots, \$12.00 per dozen; large plants, \$2.00 to \$3.50 each, according to size.

FICUS ELASTICA. 5-in. pots, \$4.00 per dozen; 6-in. pots, \$6.00 per dozen.

DRACENA FRAGRANS. Extra large plants, in 6-in. pots, 3 ft. high, \$12.00 per dozen.

FERNS, Assorted. Extra heavy plants, 2¼-in. pots, \$3.00 per 100; 3½-in. pots, extra heavy, \$10.00 per 100.

NEPHROLEPIS PIERSONI ELEGANTISSIMA. 2¼-in. pots, \$6.00 per 100; 3½-in. pots, \$15.00 per 100; 6-in. pots, \$6.00 per dozen; 8-in. pots, \$12.00 per dozen.

BOXWOOD, Pyramids. Extra fine plants, \$2.00 and \$3.00 each.

CARNATIONS Winsor and White Euehantress. We can supply these in quantity, ready for immediate planting. Strong established plants from 2¼-in. pots, \$7.50 per 100, \$60.00 per 1000.

NASTURTIUMS. 3-in. pots, bushy, \$6.00 per 100.

SALVIA Bonfire. 2½-in. pots, \$4.00 per 100.

AGERATUM. 2½-in. pots, \$3.00 per 100.

COLEUS. Assorted, 2½-in. pots, \$3.00 per 100.

ALYSSUM. 2½-in. pots, \$3.00 per 100.

MOON FLOWERS. 2½-in. pots, \$6.00 per 100.

F. R. PIERSON CO. Tarrytown-on-Hudson, New York



GRAFTED ROSES

In excellent condition, ready to ship

KILLARNEY, RICHMOND, LIBERTY, BRIDE, BRIDESMAID, KAISERIN and CARNOT

Specially low grafted, union complete.....\$120.00 per 1000

OWN ROOT STOCK of above varieties.....\$35.00 per 1000

Exceptionally fine large plants of

KAISERIN AUGUSTA VICTORIA

The best paying Summer Rose on the Market

W. H. ELLIOTT, Brighton, Mass.



Lilium Harrisii

VAUGHAN'S Forcing Bulbs

True **LILIUM HARRISII**, 5 to 7 size for Xmas forcing. None better.

Place your orders now for the following Import Bulbs: **Japan Lilies, Callas, Freesias, French Romans, Paper White, Narcissus,** and all Dutch Bulbs.

Ask for our Special Fall Import List. Now ready.

Vaughan's Seed Store

14 Barclay St., NEW YORK

84 Randolph St., CHICAGO

Greenhouses: Western Springs, Ill.

GERANIUMS

GOOD STANDARD VARIETIES at \$2.00 per 100 and up to **NOVELTIES** at \$1.00 each, from 2-inch pots. Our collection contains nearly 300 varieties. We will send 1000, 50 each of 20 varieties, our selection for \$18.50. This is a splendid collection to stock up on.

We have a good assortment in 3-inch pots, at \$3.50 per 100.

A **CORDIAL INVITATION** is extended to all interested in Geraniums to visit us in June, to inspect our new stock houses containing over 60,000 plants, and especially to see our new show house; in it there are over 300 varieties in full bloom, a splendid opportunity to compare the newer introductions with the old standards, and to select stock for next season. We will make very liberal special prices on all orders booked during May and June for December delivery. We are at Cowenton, on the B. & O. R. R., and at Chase on the Pennsylvania. We meet all trains.

PELARGONIUMS

In good variety, 3-inch pots, \$1.50 per doz.; \$6.00 per 100.

DAHLIA PLANTS

From 2-inch pots, at \$2.00 per 100 to \$10.00 per 100. We will send 1000 in 20 varieties, our selection of good sorts in Cactus, Decorative or Show, for \$18.50.

For List of Miscellaneous Stock see Issue of May 30th.

Hardy Chrysanthemums

A splendid collection of over 75 kinds, small flowered or button type, \$2.00 per 100, large flowered or Aster type, \$5.00 per 100.

CANNAS

CANNAS. Strong plants from 3-inch pots. **JEAN TISSOT.** Brilliant vermilion, with bright orange shading, \$1.00 per doz.; \$6.00 per 100.

PRESIDENT MEYERS. Rich cherry carmine, bronze foliage, \$1.00 per doz.; \$7.00 per 100.

LOUISIANA. Vivid scarlet, flowers often measure 7 inches, \$1.00 per doz.; \$7.00 per 100.

PENNSYLVANIA. Bright vermilion scarlet, free bloomer, large, \$1.00 per doz.; \$6.00 per 100.

BUTTERCUP. Deep buttercup yellow, almost pure, \$1.00 per doz.; \$6.00 per 100.

J. D. EISELE, EGANDALE, ALPH. BOUVIER, MME. CROZY, and FLORENCE VAUGHAN, 600 per doz.; \$1.00 per 100.

Visitors always welcome.

Cash with order.

R. VINCENT, Jr. & SONS CO. WHITE MARSH MARYLAND



STERILIZED SHEEP MANURE

We are possessed of a car load and offering 100 lb. \$1.50, ton \$22.50.

RUSTIC HANGING BASKETS

10 in. bowl.....	Each \$1.10	Dozen \$11.00
12 " ".....	" 1.25	" 13.00
14 " ".....	" 1.50	" 16.00

CANE STAKES

4 to 5 feet.....	Per 1000 \$5.00
6 to 9 feet.....	7.00
10 to 13 feet.....	11.00

WM. ELLIOTT & SONS
42 VESEY STREET, NEW YORK

RAWSON'S Arlington Prize Pansy

This is the cream of all pansies and we are not afraid to claim superiority over any other strain. The colors of this strain are superb, the flowers large and the plants robust. There is hardly a pansy alike and for this reason it should prove valuable for either show or commercial purposes.

1/8 ounce, \$1.25; 1 ounce, \$8.00

RAWSON'S SEEDS ALWAYS GERMINATE

W. W. RAWSON & COMPANY

5 UNION STREET

BOSTON, MASS.



Per S. S. ADELAIDE

500,000 KENTIA SEEDS

To Arrive this Week from Australia

OTHER PALM SEEDS

Arriving and in Stock for Immediate Delivery

Kentia Forsteriana.....	100 1000	Phoenix rupicola.....	100 1000
Kentia Belmoreana.....	\$0 50 \$4 50	Phoenix reclinata.....	1 00 7 50
Cocos Weddelliana. Immediate	0 50 4 00	Phoenix Canariensis.....	0 50 3 00
Livistona rotundifolia.....	1 00 7 50	Pandanus utilis.....	0 30 3 00
ASPARAGUS PLUMOSUS NANUS, true greenhouse grower seed. 100 sds. 60c.; 250 sds. \$1.20; 1000 sds. \$4.00; 5000 sds. \$18.00; 10,000 sds. \$35.00.			
ASPARAGUS SPRENGERI, 250 sds. 25c.; 1000 sds. 75c.; 5000 sds. \$3.00.			
DRACAENA INDIVISA (seeds), oz. 30c.; 1 lb. \$1.00.			

Catalogues free

SEEDSMAN

ARTHUR T. BODDINGTON, 342 West 14th St., New York City

ONION SETS

Chicago produces the best ONION SETS in the country and our crop this year is not only full but of the very highest quality. Write us for prices.

KNUD GUNDESTRUP

4273 MILWAUKEE AVENUE CHICAGO

Flower & Vegetable SEEDS

The Best Kinds for Market, Gardeners and Florists

Aster Seed, all the leading varieties.

Tuberose, Dwarf Pearl, 75c. per 100, \$7.00 per 1000.

Dahlias, all the leading sorts.

Roses, Lilies, Cannas, Geraniums, Artichokes.

JAMES VICK'S SONS SEEDSMEN ROCHESTER, N. Y.

ASPARAGUS PLUMOSUS NANUS

per 1000 seeds, \$2.00

ASPARAGUS Sprengeri

per 1000 seeds, 75c.

W. C. BECKERT, NORTH SIDE PITTSBURG, PA.

GLADIOLUS Extra Fine Mixed

Large Bulbs \$1.00 \$8.00

STUMPP & WALTER CO., 50 BARCLAY STREET, New York

RICH SHADED RIBBONS

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CARNATIONS
PEONIES

Wide—Medium—Narrow widths in Taffeta—Satin Taffeta—Gauze and Chiffons.

The wanted ribbons for wedding decorations.

Samples Free

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ESTABLISHED 1802

SEEDS OF ASPARAGUS

PLUMOSUS NANUS, \$2.00 per 1000

SEEDS OF ASPARAGUS

PLUMOSUS ROBUSTUS, \$2.00 per 1000

COLD STORAGE LILY OF THE VALLEY PIPS, JAPAN LILIES, JAPAN IRIS

For prices state quantities required

J. M. THORBURN & CO.

33 Barclay St., through to 38 Park Place, New York.

Everything of the highest grade.

PRICE LIST of my

WINTER FLOWERING SWEET PEAS

will be out in June. If you have never grown my sweet peas, send for it. My old customers will get it without asking. New crop seed will be ready in August next.

ANTON C. ZVOLANEK, Boundbrook, N. J.

BURPEE'S SEEDS

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

The book of WATER GARDENING

By Peter Bleaset. Price, postpaid, \$2.50

A. T. DE LAMARE PTG. & PUB. CO., LTD 2 to 8 Duane Street, New York.

XXX SEEDS

CHINESE PRIMROSE

Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c. Have the varieties separate, also.

Primula Obconica grand, fin., finest improved, large flowering, fringed, mixed, 1000 seeds, 50c.

CINERARIA Finest large flowering, 1000 seeds, 50c.

GIANT PANSY The best large flowering varieties, critically selected 5000 seeds, \$1.00; half pkt., 50c. 500 seeds of Giant Mme. Perret pansy seed added to every \$1.00 pkt. of Giant Pansy. Cash. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa. THE HOME OF PRIMROSES

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Tomato, "The Don," best for forcing. Cauliflower, First and Best, Onion, Allis Craig. Lettuce, "Ideal," unequalled for indoor purposes. Mushroom Spaw, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready. Free on application.

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Make a specialty of

ASTER SEED

All the leading varieties Also FLORISTS' SEEDS for immediate planting

H. E. FISKE SEED CO.

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ROEMER'S SUPERB PANSIES

The finest strain of Pansies in the World. Introducer and Grower of all the leading Novelties. Highest Award, International Exhibition Dusseldorf, 1905. Catalogue free on application. FRED. ROEMER, Seed Grower, Quedlinburg, Germany.

—Established 1824—

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RICKARD'S BROS., Props.

Importers and Growers of High Grade

Seeds, Bulbs, Plants, Etc.

37 EAST 19th ST., Near Broadway, Tel. 4235 Gramercy NEW YORK CITY

PANSY SEED

Johnson's Famous Prize Winner Strain

Place your order now for new crop seed 1000 seeds, 30c.; 2000 seeds, 50c.; 5000 seeds, \$1.00; per ounce, \$5.00.

Send for complete Pansy List.

JOHNSON SEED CO.,

217 Market St., PHILADELPHIA, PA.



JAPAN BAMBOO STAKES. for Chrysanthemums, Lilies, Gladiolus, etc. Durable, strong, 6 feet long, about 3/8 in. diameter, 65c. per 100; \$5.00 per 1000; \$9.00 per 2000.

ASPARAGUS Plumosus Nanus seed, true, 50c. per 100, \$3.00 per 1000; \$5.00 per 2000.

ASPARAGUS Sprengeri Seed, true, 15c. per 100; 75c. per 1000; \$1.25 per 2000.

NEW PURE WHITE FREESIA "SNOW-DRIFT." Absolutely pure white flowers; stems strong, bearing a profusion of large, milk-white blossoms; early forcer.

Select flowering bulbs \$1.25 \$10.00
First size bulbs 1.70 15.00
Mammoth bulbs, doz., 50c. 2.00

H. H. BERGER & COMPANY
70 Warren St., NEW YORK CITY

FISCHER'S GRAND PURITY FREESIA

This is the finest Freesia ever offered to the trade and the only one worth growing. The flower heads are of very large size, of astonishing whiteness, and of thick heavy substance, making its keeping quality superior to all others. The stems, always stiff, can be grown two feet and over, making this magnificent Freesia one of the finest decorative flowers. It can be used entirely alone in this respect or with other long-stemmed flowers.

The greatest care is taken by us to keep this beautiful Freesia pure and free from all danger of mixing, by carefully picking off all seed pods; not allowing one to ripen and drop its seed in the ground, where it would surely grow the next season and work disaster, as it does not come true from seed.

So, beware of buying stock that has been increased from seed. You will always find Purity here in all its purity.

Send in your orders early, for last year the orders far exceeded the supply. This year we hope to fill all orders and offer first and second-grade bulbs for sale.

Send for Price List. Delivery in early July.
RUDOLPH FISCHER, Santa Anita, Cal.

SWEET PEAS

For Thanksgiving and Christmas

Boddington's Christmas White, oz. 10c.; 1/2 lb. 50c.; 1 lb. \$1.00.
Boddington's Christmas Pink, oz. 10c.; 1/2 lb. 50c.; 1 lb. \$1.00.
Boddington's Snowbird, the earliest forcing white, oz. 15c.; 1/2 lb. 75c.; 1 lb. \$1.25; 1 lb. \$2.00.

All the above mailed free.

ARTHUR T. BODDINGTON
SEEDSMAN
342 West 14th St., NEW YORK CITY

MUSHROOM SPAWN

made "Direct from Spores" of Selected Mushrooms

Nature's only way of producing Spawn. If your Seedman cannot supply you write direct to us for pamphlet.

ANGLO-AMERICAN SPAWN CO.
Kennett Sq., Pa.



FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers.

Laurel's Pure Culture MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. in postage stamps. Address **American Spawn Company, St. Paul, Minn.**

THE AMERICAN CARNATION

Price \$3.50
A. T. DE LA MARE PTG & PUB CO. LTD
2-8 Duane Street New York.



HALF MILLION CALLA BULBS

CALLA BULBS pay to bloom 40 better than Harrison. Why don't you have to throw Calla Bulbs away after blooming. (Save!)

Calla I thiapica Bulbs	Grounds raised	Per 1000
	8 to 10 inch	\$90.00
	7 to 8 inch	65.00
	5 to 7 inch	40.00
	3 to 5 inch	25.00

250 at 1000 rates. Packed in slatted crates. Liberal count. **Sale Arrival Guaranteed.** 1 prepay freight at above prices, to your city, when check is sent with order. Send in your order to-day and cash to reach me June 20th. Reference: First National and People's Bank, Santa Cruz, Cal., and Dun's.

A. MITTING 17 to 23 KENNAN ST. SANTA CRUZ, CAL.

COLD STORAGE LILIES

COLD STORAGE LILIES, mean that you can have Lilies all the year round. What are more useful, or give more character to the funeral piece than the Lily?

We have, and can deliver at any time cold storage Lilies, and can refer you to hundreds that are growing them. Why not you?

LILIUM LONGIFLORUM GIGANTEUM is the only longiflorum that gives satisfaction from cold storage. We offer them as follows:

LILIUM LONGIFLORUM GIGANTEUM (packed)	Price
6 to 8 inch bulbs, 400 in a case, \$8.50 per 100; \$75.00 per 1000; case of 400 for \$30.00.	
7 to 9 inch bulbs, 300 in a case, \$9.00 per 100; \$85.00 per 1000; \$25.50 per case of 300.	
9 to 10 inch bulbs, 200 in a case, \$14.00 per 100; \$130.00 per 1000; \$26.00 per case of 200.	

ARTHUR T. BODDINGTON, Seedsman
342 WEST 14th STREET NEW YORK CITY

Established 1900
POAT BROS.
(Formerly of Etricks, Va.)
BULB GROWERS
HIGHLAND PARK RICHMOND, VA.
NARCISSUS, TULIPS, IRIS
PAEONIES, CROCUS
SEND FOR CATALOGUE

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

HICKORY, N. C.—The Hickory Seed Company has been chartered with \$20,000 capital for general seed and grain growing and the sale of seeds of any and all kinds. The incorporators are R. O. Abernathy, W. J. Shuford, L. R. Sticker and A. L. Shuford.

ROCKY FORD, COL.—Burnet Landreth of the D. Landreth Seed Company of Bristol, Pa., and F. W. Bruggenhof of J. M. Thorburn & Company of New York, were guests of D. V. Burrell, seedman, May 22. Mr. Burrell took them over some of the country in his auto to show them some of Colorado's best irrigated farms.

For the past two weeks there has been but very little water in any of the ditches here except the Rocky Ford ditch. Farmers under other ditches began to be discouraged, but we have had rains in the mountains, so these ditches can draw water now and everything looks promising for a good crop.

BOSTON, MASS.—Maurice Fuld, of W. W. Rawson & Company, dealers in seeds and bulbs and secretary of the New England Dahlia Society, was the speaker at the May meeting of the Houghton Horticultural Society at the lecture hall of the Lynn public library. At the outset Mr. Fuld spoke of the development of the seed business in Boston, and in various ways showed how the large firms handle their business. A contrast was

made in the business of 20 years ago and that of to-day, the speaker believing that a great amount of the increase was due the good work performed by horticultural societies, such as the one in Lynn. Mr. Fuld illustrated his remarks with cut flowers from the company's grounds at Marblehead, and gave some valuable cultural advice.

CLOVER AND GRASS SEEDS.—The Bureau of Manufactures is in receipt of a communication from a German business man, in which he states that he would like to get in touch with American firms engaged in the exportation of clover and grass seeds. In applying for address refer to No. 2303.

IMPORTS OF SEEDS, ETC.—May 27.—H. Frank Barrow, 38 cases plants, 10 tubs laurel trees; C. A. Haynes & Company, one case plants; Hussa & Company, nine cases plants; O. G. Hempstead & Son, 10 cases plants; Kraemer & Foster, six cases plants; Maltus & Ware, 14 cases plants; P. H. Petry Company, two cases plants, 24 tubs laurel trees; C. B. Richard & Company, 26 cases plants; Julius Rochrs Company, 33 cases plants; Vaughan's Seed Store, two cases plants; O. G. Hempstead & Son, one case flower seeds, May 28. H. M. Baker, 350 bags clover seed, May 29, 30 and 31.—J. W. Hampton, Jr. & Company, 15 packages grass seed; H. F. Barrow, 20 packages seed; Maltus & Ware, two cases plants. June 1.—Maltus & Ware, eight cases live plants.

Seed Trade Notes.

The more pleasant weather of the past few days would seem to have given the over-the-counter trade a new lease of life; in fact, reports from all sections most pleasingly verify that retail sales, while of course now becoming individually smaller, continue in such good volume as to make most satisfactory totals. Not in many seasons have those seedsmen who handle vegetable and bedding plants approached the total sales of the last few weeks, and this branch of the trade bids fair to continue for some little time yet. Of course we must remember that in the Eastern States especially, the intermittent rainy weather has furnished ideal conditions for setting out all kinds of plants. Filling-in orders from the general trade to the larger distributing seedsmen continue in goodly numbers, so it can truly be said that we go into June with every branch of the business in especially good shape for the season.

The continued wet weather has, of course, held back the sales of insecticides, and the various remedies for plant diseases, but the last few days have well started the trade in this direction also.

ROSES

In Variety, 2, 4, 5 and 7 in pots in extra fine condition. Write for particulars.

The Elizabeth Nursery Co.
ELIZABETH, N. J.

Our Specialty

In the Fall will be **HOME GROWN LILiums, GERMAN and JAPAN IRIS.**

When in the market let us quote you prices.
JOHN LEWIS CHILDS, Floral Park, N. Y.

The June special quotations of the larger seedsmen are also being sent out, giving attractive rates for turnips, spinach, fodder corn, millets, and other reasonable seeds, which owing to the scarcity in so many other lines will be sure to be planted much more largely than is usual.

None of us wishes to borrow trouble, but we must not lose sight of the fact that the present condition of the seed crops is not over satisfactory; in fact, it really begins to look in many directions as if another seed selling year of continued high prices was before us for 1908. All know that the continued rainy weather of practically the past five or six weeks has not only very materially delayed much planting, but has also more or less injured early sowings of almost everything; this condition applies especially to the Eastern States. In California, on the other hand, a continued drought is daily cutting down the expected seed returns. It is, of course, very early to even hazard an estimate, but if on the average two-thirds of a seed crop is finally harvested in this Pacific section, no surprise will be felt, unless some much needed rains are very shortly forthcoming. Again, most reports so far received from Europe are not particularly encouraging as regards the coming season's crop of seeds; such reports, combined with our own present outlook, would seem to indicate at last firm prices for standard seeds for at least another year.

It seemed early in the season as if we were destined to have an off-year with Spring bulbs, but it is very pleasing to be able to note that on the contrary extremely large sales have been made. The total sales of dahlias have been the largest in years; especially has the better class of named varieties been in demand. As regards gladioli bulbs, little need be said, the total disposed of being fully up to the average of the largest sales of previous seasons. Tuberoses have sold fairly well, but have certainly gone slowly with many dealers. It is satisfactory to note that the splendid improved varieties of Iris Kaempferi, which our Japanese friends have been for several seasons sending us, are meeting with steadily increasing sales each Spring and Fall. I will take space here to just note, that no bulbous plant with which you can supply your best trade will give more real satisfaction than these brilliant blooming Japanese irises, Peonies, lilies, tuberous-rooted begonias, montbretias, tigridias, and the rest of the Spring bulb list, have sold very well, comparatively few surpluses being reported. There would seem to have been almost a run on Hyacinthus candicans; everybody has wanted it. On the whole the Spring bulbs have this year been a much more than usual profitable investment. V.

European Notes.

While we in the north are soaked to the skin as we pursue our crop inspections, the south reports a drought which seriously hinders the work of transplanting and is causing the carrots to wilt considerably.

Some excessively hot days have brought things on with a big jump, and if these conditions continue, we shall not be very much behind last year. The clover plant is in splendid condition at present; how much of it will be seeded cannot be stated definitely at present, but unless we learn of a prospect of a big crop on your side the high prices of the past two seasons will tempt growers to bet it stand.

EUROPEAN SEEDS.

Stokes Standard Seeds.
For Florists and Market Gardeners. Send for Catalogues and Special Prices on your wants in FLOWER or VEGETABLE SEEDS and BULBS.
Stokes Seed Store.
219 Market Street, PHILADELPHIA

Dutch Bulb Growers' Society.

At the meetings of May 4 and 11 the following awards were made by the Narcissus Committee:

FIRST-CLASS CERTIFICATE.

Narcissus Alaska, broadly opened trumpet, deep yellow and deep yellow perianth.

Narcissus van Wavoren's Giant, an enormous flower with deep yellow trumpet and pale sulphur perianth.

Narcissus John Pope, with deep yellow trumpet and clear yellow perianth.

Narcissus President Wentholt, broadly opened trumpet, deep yellow and yellow perianth.

Narcissus Robert Sydenham, a strong grower with deep yellow trumpet and pale yellow perianth.

Narcissus Incomparabilis Winifred with broad elegant cup and white perianth.

AWARDS OF MERIT.

Narcissus Harry Veitch, a clear yellow trumpet daffodil in the way of Emperor but larger.

Narcissus Cornelia, a self-colored yellow trumpet daffodil.

Narcissus Sheba, a deep yellow trumpet daffodil of fine form and great substance.

Narcissus White Pioneer, pure white trumpet, narrow tube-shaped and starry perianth.

Narcissus Incomparabilis Louise, pure white perianth and lemon yellow cup, a drooping flower of medium size.

Narcissus Incomparabilis cristata, with peculiar crested crown of yellow color, perianth cream-white.

Narcissus poeticus Blanca, pure white; very fine round flower.

Narcissus poeticus Glory of Lisse, a fine round flower with rather large cup.

Narcissus poeticus Verdi, with large crown broadly bordered deep orange.

In addition to the awards mentioned above a gold and a silver-gilt medal were given to collections of new narcissi.

CATALOGUES RECEIVED.

J. M. THORNTON & COMPANY, New York.—Wholesale Trade Price List of Turnip Seed, etc.

C. C. POLLWORTH COMPANY, Milwaukee, Wis.—Price List of Fumigating and Dusting Powder.

W. ATLEE BURPEE & COMPANY, Philadelphia.—Wholesale Price List of Turnip, Winter Radish and Spinach Seed.

HUGH DICKSON, Royal Nurseries, Belfast, Ireland Trade List of New Roses, with a colored plate of Seedling H. T. Rose—H. Armitage Moore.

H. H. VAN DER BOM & COMPANY, Oudenbosch, Holland (J. Meerkamp Van Embden, Mount Vernon, N. Y., American Agent).—Catalogue of Ornamental Trees, Flowering Trees and Shrubs, Forcing Plants, Conifers, Evergreens, Roses, Boxwood, Peonies, etc.

VEGETABLE PLANTS

CABBAGE. Wakefield, Early Flat Dutch, Early All Head, Early Drumhead and other early varieties; Surehead, Late Flat Dutch, Danish Round and Ball Head and other late varieties. 25c. per 100, \$1.00 per 1000, \$8.50 per 10,000.

TOMATO. Stone, Favorite, Paragon, etc., 20c. per 100, \$1.00 per 1000; 85c. per 10,000. Dwarf Stone, Champion, June Pink and Early Jewell, 40c. per 100, \$2.00 per 1000.

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Azalea Amœna For a Border Line

There are so many uses for deciduous and evergreen shrubs for forming border lines that it is no surprise that *Azalea amœna* is now not uncommonly seen used for such a purpose. The foliage of this hardy evergreen makes but little display, and is, therefore, of but little advantage to it in the way of enhancing its beauty; its color, too, is of an iron green, so but little is claimed for it for its evergreen character. Its charm is altogether in its lovely rose-colored blossoms in the month of May. These flowers never fail it in Spring; it is always sure of a good crop, and the blooms are usually so abundantly displayed as to hide all else of the bush. It is a very slow growing azalea, making no more than three to four inches a year unless on young, vigorous stock; and, besides, much of this growth is of a spreading nature, so that the natural growth presents a rather flat, bushy outline.

It is an excellent plant for a situation calling for a low, bushy border shrub, to give a display of color in the early days of Spring.

For propagating purposes indoor plants are best, as the wood is softer than that which outside plants afford; but as this azalea is now called for by the thousand in some cases, propagating shoots are looked for from outside plants. These may be had in late Autumn or early Winter and, rooted in a greenhouse, they are nice plants by Spring.

June Budded Peach Trees

The value of June budded peach trees lies in the producing of salable trees in far less time than under the old system. There is no other benefit, unless it may be in the smaller size of the June budded tree, a small tree being preferred by many purchasers. The June budded tree gives a subject of about three feet in height the same season it is budded, while under the ordinary system of raising peach trees the tree is not salable under two seasons. Peach stones are sown in the Fall, the seedlings appear in Spring, and set out in good soil they make a growth strong enough to bud in June. The usual way leaves the seedlings to grow the whole season, the budding to be done in September, and being late in the season the bud lies dormant until the Spring following. The bud inserted in June, if it "takes," will push forth at once if properly treated. This consists in shortening the top growth, so as to force the sap into the bud. It is not well to shorten the top radically, as this weakens plants so, but some check must be given or the bud will not start out. The bud needs watching, and as it pushes forth and advances in growth the top above it may be shortened more and more until the whole of it is reduced to but an inch above the bud. This inch is to tie the budded shoot to as it advances in growth. By selling time nice three-foot trees are ready, a year in advance of those under the old plan; and it is well understood that a customer is as well or better served when supplied with a small peach tree than a large one.

Hardiness of the Cherry Laurel, *Cerasus Caroliniana*

The Baltimore correspondent of *The Florists' Exchange* mentioned recently that the officials of one of the parks of that city were getting supplied with a great quantity of the cherry laurel, *Cerasus (Prunus) caroliniana*, from the South. As it was not known to us that this *cerasus* was hardy enough to live out at Baltimore information was sought from Mr. Riggs of Waterloo, Kansas, who we knew had experimented with this and other evergreens not overhardy. We have a letter in reply in which, after lauding the beauty of this evergreen laurel, he says it is quite hardy there, but the soil it is in is light, warm and sandy, where growth is short and sturdy and wood ripens up early in Autumn. Were the soil cold and stiff he does not think the plant would endure their Winter, for, he says, the mercury gets below zero at times.

This statement, however, proves this laurel much hardier than believed, and, without doubt, if set out in a well sheltered spot it would get through our Winter, as many another plant does.

Cerasus caroliniana in its native home makes a tree 30 to 40 feet in height, but in cultivation it is made to grow in all sorts of ways, being trimmed into the semblance of walls, pyramids, arbors and all manner of fantastic forms.

It would be advisable for those who consider trying it to obtain plants or seeds from the most northern State possible, North Carolina or Virginia, that the Winter here may not prove too severe for it, and the chances of its thriving in Philadelphia would be very good.

Beauty of Spiraea Van Houttei

As one beautiful shrub after another makes its Spring display the plant lover is indeed puzzled to know which would be the one he would choose were he limited to but one. Just now, to add to the general magnificent display of the season, the *Spiraea Van Houttei* is in wonderful beauty. All shrubs seem to surpass themselves this Spring. This *spiraea* has slender branches always, and when it is in flower the blossoms, though not heavy, weigh down the branches profitably, so that the whole bush is a veritable weeper for the time being, and so clustered are the flowers that the whole bush is under a close canopy of white blossoms. Many persons think if the shrub of their choice were they confined to one. It is hardy everywhere, practically.

In addition to its use on a lawn it is often seen set as a hedge or border line, and one can imagine the effect of a long line of it in flower. It lends all the white-flowered *spiræas* without a doubt, being better even than the old favorite *S. Reevesii*. As a not shrub it sells well when in bloom.

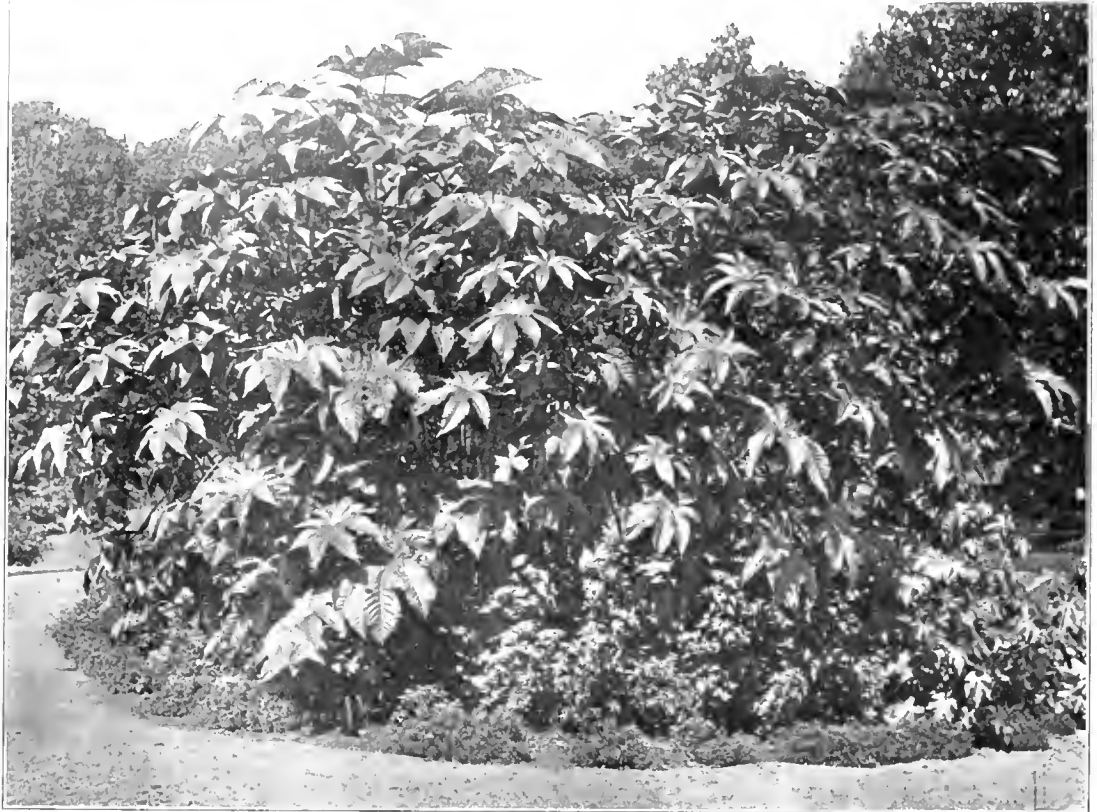
As is the case with many other plants raised here with us, they are only annual growers of the cold or warm countries. They are woody growth. But with us there is no need to think of wintering the plants in a hothouse. They are readily raised from seed, sown in early Spring, the plants grown in pots until June days, come with their heat and moisture when they may be planted out. Give them deep, moist, rich soil, to ensure the grandest plants.

There are several varieties of the common form, one called *Gibsonii* has bronzy purplish leaves.

Beech for Shelter Trees

Where reasons exist for desiring a shelter belt and evergreens are not wanted, the English beech can be well recommended for the purpose. Although a tree naturally it bears pruning very well, so that if its usual height is not desired it can be kept down almost to the usual hedge size.

What makes this beech so useful for sheltering is its retention of its old foliage through the Winter. Its leaves die in Autumn, just as those of all deciduous trees do, but though dead they do not fall from the



Ricinus communis, Castor Oil Plant.

Clematis Montana

It is a pleasure indeed to find from Mr. Freeman's communication that *Clematis montana* does well at Washington, D. C. The cause of those dying, that were tried here some years ago, could not have been the cold weather, and a further trial must be made. Those who have seen this vine completely covering the face of dwellings in the south of England will remember its great beauty, and it was the viewing of such a sight that led to the importing of a few plants some years ago, with no success, as already reported.

Sometimes in connection with the *clematis* could be seen the *Passiflora coriuba*, covering a large space, but it does not flower until later in the season. But what a show it makes when it does bloom! This *clematis* will not endure our Winters, and only in such favored spots as the south of England is it seen in perfection.

Ricinus Communis, Castor Oil Plant

The castor oil plant has been known in cultivation for hundreds of years, and its general use in gardens to-day is proof of its worth. In fact, there are not many plants that could fill the position it does as an ornamental subject for Summer use. It is often seen set out as a single specimen, but it is only when many are together that its value is most apparent. Our illustration represents a number of plants grouped at the end of a border of miscellaneous subjects, roses, herbaceous plants and like kinds; and, as the position is on an eminence, the effect is very good.

The castor oil plant is also known as *Palma Christi* to some gardeners. Its origin is supposed to have been in tropical Africa, but it has long been known in all tropical countries as well as in others, everywhere valued as an ornamental plant for Summer use.

tree, but are retained until the sap rises in Spring, when they fall, making way for the new ones which are about to form. Although dead the leaves have not the appearance they would have were tree and all dead. There is something in the appearance of the tree and its leaves that tells you the tree is alive, so that there is nothing whatever of disfigurement in the appearance of the dried foliage.

This beech is not as often met with as a hedge as it is in Europe, but there are some examples of its use in this way. Where there are trees or anything else which it is desired to shield from high winds, the English beech is good for the purpose. It becomes a thickly branched object when pruned annually, so that for lessening the power of windstorms it is quite the equal of evergreens.

Beeches need care in transplanting and heavy pruning, which, when given them, usually ensure their safety.

JOSEPH MEEHAN.

SEATTLE, WASH., is being pointed out as a desirable meeting place for the American Association of Nurserymen in 1909. Among other attractions it is said that, "during 1909 the Alaska-Yukon-Pacific Exposition will be held at Seattle for which occasion very favorable rates will no doubt be made by the railroads. By assisting the members of your association in locating the next meeting on the Pacific Coast, you will have an opportunity of visiting the exposition, which bids fair to be one of the best and most interesting ever held in the United States, as well as an opportunity of visiting some of the greatest fruit producing sections in the entire Northwest."

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HORTICULTURAL SOCIETY OF NEW YORK AND THE AMERICAN ROSE SOCIETY ROSE EXHIBITION

WEDNESDAY, JUNE 10th and THURSDAY, JUNE 11th, 1908

PRIZES offered by the Managers of the New York Botanical Garden, to be awarded by the Council of the Horticultural Society. CUT BLOOMS OF ROSES. Prize: Second 1. H. P. 24 var. 6 bl. each \$25.00 \$14.00

PRIZES offered by the Council of the Horticultural Society of New York. CUT SPRAYS OR SHOOTS Showing character of growth. 10. Wichramatum, polyantha and multiflora var. or their hybrids. Collection of cut sprays sufficiently ample to illustrate the habit of growth and flowering of feet. Not less than 12 var. 10.00 8.00

HORTICULTURAL SOCIETY Museum Building, New York Botanical Garden, Bronx Park, New York City

ROSE PLANTS 30,000 Well rooted stock, 3 in., ready for shift. Uncle John, Chateau, Golden Gate, Bridesmaids and Brides, \$1.00 per 100; \$35.00 per 1000. 12,000 DRACAENA INDIVISA, strong 3 in., fine for pot and vase work or for growing on, \$5.00 per 100. 20,000 HYDRANGEA OTAKSA, 2 1/2 in., \$2.50 per 100; \$21.00 per 1000. 8,000 VINCA VARIEGATA, heavy, splendidly colored, 4 in., \$10.00 per 100. Hatcher AMSTERDAM, N. Y. Stores: Amsterdam and Schenectady Greenhouses: Town of Florida, Hoffmans, N. Y.

LAST CALL TO CLEAN UP

I offer the following plants, all strong and heavy. 1000 SNAPDRAGON, Giant, four colors, 2 1/2 in. pots, \$1.50 \$12.00 500 SALVIA Bonfire, (Sage), 3 in. pots, \$2.00 200 Single PETUNIAS, 3 in. pots 2.00 300 DUSTY MILLER, 2 1/2 in. pots 2.00 100 CANNAS, Henderson, Charlotte, Austria, 3 in. pots, 3.00

J. S. BLOOM, Riegelsville, Pa.

SMILAX Stocky, 2 Inch.

We have a quantity of heavy Smilax out of 2-inch pots that we will close out at \$15.00 per 1000. Cash with order.

THE SALT FORD FLOWER SHOP POUGHKEEPSIE, N. Y.

COLEUS Golden Bedder and Verschaffeltii, \$1.75 per 100. SALVIA, 2 and 4 inch pots, \$1.75 and \$3.00 per 100.

B. F. BARR & CO., Lancaster, Pa.

PLANT CULTURE PRICE \$1.00

A. T. DE LA MARE PTG. & PUB. CO., 2 Duane Street, New York

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ROCHESTER, N. Y. - Nurseryman here are deeply interested in Representative Clark's bill, introduced in the House of Representatives May 12, providing for letters patent to the originator of a horticultural novelty. While the lack of protection for the originator of horticultural novelties often has resulted in a seeming injustice, it has heretofore been considered impracticable to provide for the patenting of a product of the soil. The Clark bill provides that under certain conditions, the originator of any new variety of plant, tree or vine may obtain a patent.
DAYTON, O. At the last meeting of the Florists' Club was considered a proposition to enter the proposed federation of improvement associations and welfare leagues of the City. The subject was introduced by Mrs. J. E. Young.
RICE LAKE, WIS. K. J. North, manager of the Columbia Nursery Company, Fall River, Wis., was found dead here, Tuesday, May 26. The coroner's jury declared death to be due to natural causes.
Carnation growers who have a surplus of young plants should advertise them in THE FLORISTS EXCHANGE.

JOTTINGS FOR FLORISTS

BY EDWIN LONSDALE

Dates To show how necessary it is to keep "tally" about things in general about floriculture and horticulture I herewith append time of flowering outdoors, under natural conditions, for this and the past two years in Girard College grounds of that very satisfactory columbine *Aquilegia chrysantha*; to wit: "In flower 1906, May 8, 1907, June 1; 1908, May 20. All this I found on the label indicating the name, etc.

Spider-Web Houseleek This interesting succulent which, scientifically carries the long name of *Sempervivum arachnoideum*, has met with ready sale during the past season in Philadelphia. William K. Ritter is responsible for its being obtained in sufficient numbers to make it worth while to the retailers. He had the little plants in his greenhouse at 825 North Twenty-eighth street, and he saw the little pots in the exhibit of the Whilldin Pottery Company at the convention of the S. A. F., held in this city August last; his natural intelligence did the rest. Mr. Ritter also has a dwarf form of *Sempervivum californicum*; or has he succeeded in causing it to assume a dwarf habit by his preconceived system of cultivation? In his collection of succulents, among many others was also a dwarf form of *sempervivum* similar to *S. californicum* but quite distinct therefrom; the leaves are more inclined to droop in the "unknown" than they are in the *S. californicum* and the points of the leaves are of a more decided character in the latter than they are in the former. What is it? Mr. Ritter's collection of succulents is indeed very interesting. H. H. Battles, at his Century Flower shop, and Robert Kift handled many of the "spider-web houseleek" and could have sold more than yore to be had. Here is a case where, in these dull times, the demand exceeded the supply. In other words, more could have been sold at retail than were to be obtained and the wholesale price was, in one-inch pots, \$5 per hundred. Mr. Ritter states that in order to have the plants retain that desirable cobwebby appearance they must be grown in the full sunlight.

The American Beauty Situation When among the growers of the American Beauty rose at Wyndmoor a few days ago, the future of this grand old rose was to some extent discussed. Everybody interested that I came in contact with, however, was in no way apparently disturbed. John Burton, the pioneer American Beauty grower in this favored locality, says that he will grow practically the same number the coming season as he has been doing for some years past. He has taken down two old greenhouses and is rebuilding in one house, with material furnished by the King Construction Company. The new house when completed will be 150 feet long and 42 feet wide. This will be planted with American Beauty. Mr. Burton has never confined himself to the cultivation of American Beauty alone. He has in addition Bride, Bridesmaid, Killarney, Mme. Abel Chateau, Richmond, Liberty and some few others, as his patrons require him to grow the varieties that are to be found generally in the trade.

Alfred Burton, whose property adjoins that of his father, will grow the same number of American Beauty he has been growing for the present season at least. The only change Alfred will make will be to throw out Richmond and plant Liberty in its stead, thus adding to the number of the latter variety he now has growing. Alfred has had very satisfactory results with Liberty. The process of pruning he puts Liberty through is to tie the old and long branches down instead of reducing the growth by cutting same away. The method induces the plant to throw on suckers or base

growths which they do from three to five and sometimes more and this action he so times in the doing that he has a crop of fine long stemmed flowers just in time for Christmas, and of course, at intervals all through the season. He has tried and discarded Kate Moulton, Alice Roosevelt, Mrs. Potter Palmer, Red Chateau he still holds on to. The S. S. Pennock-Meehan Company sells all that Alfred grows.

George Burton is located on Queen street, a good stone's throw from his father's place, and with the exception of one house of Golden Gate he has no other variety than American Beauty, and no change for the present is contemplated. George has one range of American Beauty planted already for early work. These have been planted for two months or more and are getting along nicely. Owing to the season of the year when the replanting had to be done, that is to say, when it was a difficult matter to have new soil in the right condition for use without having it under cover—he planted in the same soil the old plants had been taken from. By the method pursued, however, to make the soil in what was considered the proper condition, half an inch of wood ashes was scattered on the soil while the old plants were still growing therein. The effect on the old plants was that the new growth produced under the conditions assumed those rich red tints so dear to the heart of the grower. Later bone meal was used freely, and whatever the treatment, it seems to agree thoroughly with the plants. George disposes of his product through the commission house of Leo Niessen Company. He is quite enthusiastic about the new vitrified bench and he now has on the way to Wyndmoor a carload of that material. It is coming from the Camp Conduit Company, Akron, O. He expects to file-bench one of his houses complete and, according to his judgment it is the best thing in sight for a permanent durable bench. When looking at the illustrations the "legs" or supports seem somewhat larger and unhandy, but that may prove to be when seen erected more apparent than real. No doubt the results in this house will be watched with great interest by all who are conducting rose growing on permanent tables.

In Messrs. Myers & Samtman's operations in American Beauty they will have possibly the smaller number of 1,500 plants of this rose this year than last. This state of affairs has been brought about through the firm's desire to still further test the capabilities of their new h. t. rose Wyndmoor, with which they expect to plant two houses; and they will also try John Cook's My Maryland, and E. G. Hill Company's Rhea Reid. These will be very interesting experiments, to try the two last named novelties from widely different parts of the country, in the same soil and under the same intelligent treatment that has wrought such great success with American Beauty and Wyndmoor, not that they have lost faith in American Beauty because the senior partner, F. P. Myers, said, "If I was a younger man I would plan to have an establishment large enough to accommodate one hundred and fifty thousand American Beauty plants." Judging from their successful experience he is quite justified in his enthusiasm. The total cut of American Beauty for last week was 11,529; out of that number were 1,995 specials, \$10 of which were sold on May 31. They do not find any diminishing demand for their American Beauty, so says Mr. Myers.

I was naturally interested in this firm's new h. t. Wyndmoor. Their cut of this rose, during the last Christmas holidays, was 6,600, many of which were used at one of the functions held in honor of Miss Mary Drexel Paul, daughter of Mr. James W. Paul, President of the Pennsylvania Horticultural Society. In looking through their records I found that in March last 1,831 buds were cut. In April 5,175 and in the rapidly passing

THE ELM CITY NURSERY COMPANY, NEW HAVEN, CONN.

THE NEW FORCING HYDRANGEA GRANDIFLORA ALBA



Hydrangea Arborescens Grandiflora Alba

THE ELM CITY NURSERY CO.
NEW HAVEN, CONNECTICUT

SELLS at sight. This new plant is to be very popular for forcing, especially for Easter. It forces with the greatest ease. Immense heads of purest white. The plants we offer can either be grown on in pots or set out in the field through the summer. Delivery June 15th from 3 inch pots well established

\$8.00 per 100.

\$75.00 per 1,000.

GRAFTED ROSES

NOVELTIES

MRS. JARDINE, RHEA REID, QUEEN BEATRICE.

The above, \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.

MY MARYLAND, 50c. each, \$5.00 per doz., \$35.00 per 100.

On own roots, 2 1/2 in. pots, \$25.00 per 100, \$2.00 per 10; 3 in. pots, \$5.00 per doz.

STANDARD VARIETIES

Aurora, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Hermosa, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cachet, Marechal Niel, Mme. Abel Chateau, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gantier, Rosalind Orr English, Souv. de Wootton, Wellesley, White Cochet.

GRAFTED, 2 1/2 inch pots, 20c. each, \$20.00 per doz., \$15.00 per 100, \$120.00 per 1000

OWN ROOT ROSES

From 2 1/2 inch pots, repotted from 2-inch Killarney, Bride, Bridesmaid, Ivory, Richmond, Mme. Abel Chateau, \$1.00 per doz., \$5.00 per 100, \$50.00 per 1000.

From 2 inch pots ready for shipment, \$3.50 per 100, \$30.00 per 1000

MISCELLANEOUS PLANTS

AGERATUM, Stella Gurney, Princeps Pauline. HELIOTROPE.

Routed cuttings 75c. per 100, \$0.00 per 1000.

ASPARGUS PLUMOSUS NANUS SEEDLINGS from flats, \$10.00 per 1000.

COLEUS

Verschaaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Routed Cuttings by express, 60c. per 100; \$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

A. N. PIERSON, - CROMWELL, CONN.

month 9,589 were cut. Martin Samtman, the junior partner, says he is confident that in the month of June the number to be cut will be increased. In looking through the house where the Wyndmoor is growing the prospects are excellent for continuing the prolific cut. They are a thrifty looking lot of plants, and they show the results of their breeding; the American Beauty characteristics, one of its parents, are distinctly seen. So far as I know there is no other rose whose pedigree is known that can claim any American Beauty blood in its veins.

Golden Bedder, Hero, Meesey, Pearl of Orange, 75c. per 100, \$6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate. Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c. per 100, \$5.00 per 1000. 250 in assortment, our selection, at the 1000 rate.

CHRYSANTHEMUMS

READY FOR SHIPMENT

Virginia Boehmann, Angele Laurent, Golden Dome, Milla, Jeanne Boeette, Money Maker, From 2 1/2 in. pots \$2.00 per doz.; \$10.00 per 100.

Mrs. Clay Frick, Zimmers Yellow, Mary Mann, From 2 1/2 in. pots \$1.00 per doz.; \$6.00 per 100.

Routed Cuttings, \$5.00 per 100.

CHOICE POMPONS, Klondyke, Quinola, CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita.

From 2 1/2 in. pots, \$1.00 per doz.

STANDARD VARIETIES

WHITE—Early: George S. Kelb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touselet, White Shaw, Mrs. H. Robinson, Beatrice May, Morza, Niveus, Alice Eyrton, Eureka, Miss Minnie Wainmaker, Adelia, Late: Mrs. McArthur, Timothy Caton, W. H. Chadwick, Merry Christmas.

PINK—Early: Glory of the Pacific, Roslere, Mid-Season: J. K. Shaw, Adela, William H. Duckham, Jr., Enguehard, Morton F. Plant, Late: Maud Dean, The Harriott, Mayor Weaver, Mrs. James Marshall.

YELLOW—Early: Monrovia, Mid-Season: G. Pletcher, Col. D. Appleton, Late: Major Bonaffon, H. W. Rehn, Yellow Eaton.

RED—Cuttingford, Merstham Red, Matchless, BRONZE YELLOW—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Lula (White), Brolas (Pink).

From 2 1/2 inch pots; 5c. each, 50c. per dozen, \$3.00 per 100, \$25.00 per 1000.

Routed Cuttings: \$2.00 per 100, \$15.00 per 1000.

SMITH'S NOVELTIES FOR 1908

Golden Glow, Pacific Supreme, White Cloud, 2 1/2 inch pots, \$5.00 per dozen. Ready for shipment.

CAMPBELL VIOLETS

25,000 Sand Routed Cuttings, as fine as silk, \$1.00 per 100 by mail, prepaid; \$7.00 per 1000 by express, not prepaid. Satisfaction guaranteed.

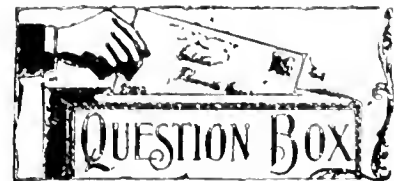
Strong, field-grown plants of Campbell and California ready in August.

CHAS. BLACK, HIGHTSTOWN, N. J.

VIOLETS Marie Louise and Farquhar,

February and March struck, strong, sand-rooted cuttings, clean and free from disease, \$2.00 per 100; \$15.00 per 1000. Cash with order, please.

C. LAWITZEN, BOX 261, RHINEBECK, N. Y.



(99) **Transplanting Outdoor Lily of the Valley.** I have a customer who wants to transplant lily of the valley. Will you kindly tell me the best time to do this, whether after the plants have bloomed or early in the season, and what is the best soil for them. This is for outdoor planting. J. Y. Penn.

—We have always found in transplanting lily of the valley that the best results came from doing the work when it was seen that the foliage had become fully ripened and was beginning to decay, and would advise to do the transplanting at that time. A good, rich soil that is well drained is most suitable, and if it is thought that the soil is not sufficiently enriched, it would be a good idea to dig in a good dressing of well decayed manure any time before the transplanting is done.

(100) **To Eradicate Thrips.** I have used tobakine liquid, also nicotine liquid, to eradicate thrips in my greenhouses, with some good results; but could you tell me if there is some better way to destroy this pest, or if there are more efficient drugs on the market? I used these liquids with an air pump. Va. D. B.

—Any of the tobacco insecticides are good for destroying thrips. While fumigation with hydrocyanic acid gas is resorted to sometimes when the pest becomes numerous, there is no need of going to this extreme remedy if tobacco insecticides are used with judgment. We think that spraying insecticides with an air pump is as good a method as can be employed, and we cannot suggest anything that will be an improvement.

(101) **A Troublesome Fly.** I have a lot of trouble with a certain kind of fly, very much like black fly, but with two long horns and a little larger than the fly. It jumps when approached, and its ravages are soon noticed by multitudes of white spots on leaves of every sort. There is another fly, jumping like the former, but rather green and with black legs and horns. I presume it is the female mate of the former. In Europe we call them puceons; what kind (lanigère or other) I don't know. Do you know of some way to destroy them? Va. D. B.

—Just what kind of fly is referred to we cannot tell. Perhaps it would be a good idea to send specimens of the flies to the Department of Agriculture, Bureau of Entomology, Washington, D. C., who will inform you of the name of the insects and the best means of destroying them.

(102) **The Ceanothus.** Is the ceanothus a hardy shrub or a greenhouse plant, and how can I treat it? A. L. New York.

Some of the varieties of ceanothus are hardy deciduous shrubs, some are greenhouse evergreens and others are stove evergreens. Tell us what variety you have and we will, if possible, give directions for its culture.

NEPHROLEPIS

WHITMANI, 2 1/2 in. \$5.00 per 100; 3 1/2 in. \$25.00 per 100.

FERNS, Boston, 2 1/2 to \$3.00 per 100.

ORCHIDS

We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1908, at greatly reduced prices. Write us for information as to kinds and prices.

We have just received the following orchids: *Oncidium Tigrinum*, *O. Barcodes*, *O. Forbesii*, *Sophranille grandiflora* and *coccinea*.

LAGER & HURRELL, Summit, N. J.

FERNS

MY SPECIALTY

MILLION AND A HALF of FERN SEEDLINGS in 20 or more of the best commercial varieties, ready for delivery during June and July.

State you want early and get special quotations. Stock the best. You will be pleased or money refunded.

Assured Ferns for jardinières, healthy and bushy, none better, in 12 best varieties from 2 1/2 in. pots, \$2.50 per 100, \$23.00 per 1000; 3 in. \$6.00, 4 in. \$12.00 per 100.

Adiantum Farleyense, fine stock, from 2 in. pots, \$10.00 per 100, \$95.00 per 1000.

Adiantum Cuneatum, 2 in., \$3.50 per 100, \$30.00 per 1000, 3 in. \$6.00, 4 in. \$12.00 per 100.

Fern Spores, gathered from my own stock guaranteed fresh, and true to name, in 24 best commercial varieties 30c per trade pkt., \$3.00 per dozen.

J. F. ANDERSON
SHORT HILLS, N. J.

FERNS

Boston Ferns, 2 1/2 in. \$4.00 per 100
Boston and Scottin, 1 in., 15c; 1 1/2 in., 10c and 50c each

ASPARAGUS Plumosus, 2 1/2 in., \$3.50 per 100.

ASPARAGUS Sprengeri, 2 1/2 in., \$3.00 per 100.

FERNS, in nice assortment, \$1.00 per 100, \$25.00 per 1000.

AGERATUM, blue, Mine Salleron.

GERANIUMS, 2 1/2 in., \$2.50 per 100.

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Hempstead, New York

FINE FERNS FOR JARDINIÈRES

Very bushy and in best varieties. Liberal count on all orders. 2 1/2 in. pots, \$3.00 per 100, \$25.00 per 1000.

Asparagus Plumosus Nanus, 2 1/2 in. pots \$3.50 per 100, \$30.00 per 1000.

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Nephrolepis Amerpohli

Philadelphia Lace Fern

\$12.00 per 100; \$100.00 per 1000

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FERNS

SCOTTI, 2 1/2 in. \$25.00 per 1000, 1 in. \$10.00 per 100, 2 in. \$20.00 per 100, 4 in. pots, \$4.00 per dozen, 7 in. pots, \$6.00 per dozen
WHITMANI, 6 in., \$1.00 per dozen, 8 in. \$2.00 per dozen.

LARCHMONT NURSERIES, Larchmont, N. Y.

FERNS IN FLATS

All the leading varieties, 100 clumps in flat can be divided. Ready July 1. Prices and terms on application.

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For Jardinières, strong healthy plants, 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate, 3 in. \$6.00 per 100; 4 in. \$12.00 per 100.

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COLEUS, from 2 1/2 in. pots. Golden Queen and Crimson Verschaffeltii, about 20,000 of each. We have also 25,000 plants of eight other good varieties. Price: \$2.50 per 100; \$22.50 per 1,000.

SALVIA, BONFIRE and SPLENDENS, from 2 1/2 in. pots, \$30.00 per 1,000.

EGG PLANTS, 1,000 very fine pot-grown stock, \$30.00 per 1,000.

DRACAENA GRACILIS, in 3 in. pots, \$10.00 per 100.

HELIOTROPE, from 2 1/2 in. pots, \$3.00 per 100.

ENGLISH IVY, fine plants in 6 in. pots, 35c. and 50c. each.

ARALIA ELEGANTISSIMA, fine plants, about 2 feet high, \$1.00 each.

BABY RAMBLER ROSES, fine bushy plants, in bud and bloom, 6 in. pots, 50c. each.

Large specimen plants of NEPHROLEPIS SCOTTI, in pots and tubs, at \$1.00, \$5.00 and \$6.00 each. They are a bargain.

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JULY 10

JULY 1

Chinese, single fringed	\$2.00	Plumosa	\$2.00
Obconica alba rosea	2.00	Sprengeri	2.00
Gigantea and Kermesina	3.00	GERANIUMS	3.00
Forbesii, "Baby"	2.00	SEEDLING PETUNIAS	2.50
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Giant Flowering Pansy Seed ready, oz. \$4.00.

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Full transplanted plants ready to bud and bloom. Price \$10.00 per 1000. Larger Sizes \$15.00 and \$20 per 1000.

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CATTLEYA MOSSIAE

in sheath to flower this April, May at \$60.00 per 100. Order immediately.

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Arrived in fine condition
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Will arrive shortly. Cattleya Gask-Ithana, C. Mendeli, Phalaenopsis Schilleriana, P. Amabilis, Dendrobium Phalaenopsis.

CARRILLO & BALDWIN, Secaucus, N. J.

ROOTED CUTTINGS PREPAID PER 100.

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GURNEY and Pauline	1000	1.00
COLEUS	1000	1.00
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AGLRATUM, Gurney	1000	1.00
COLEUS	1000	1.00
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Shippensburg Floral Co., Shippensburg, Pa.

BEGONIA

Agatha, (Vello) (improvement on Glorie de Lorraine), an easier grower, earlier flowering, of a more pleasing shade of soft satiny pink, strong young plants from leaf cuttings now ready, \$18.00 per 100.

BEGONIA Glorie de Lorraine, strong young plants from leaf cuttings, ready for delivery early in June, \$15.00 per 100, \$140.00 per 1000.

J. A. PETERSON, McHenry Ave., Cincinnati, O.

The book of WATER GARDENING

By Peter Bissel. Price, postpaid, \$2.50
A. I. DEAMARI PIG. & PUB. CO., 110

FOUNDED IN 1888



Weekly Medium of Interchange for Florists, Nurserymen
Seedsmen and the Trade in General

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for Classified Advertisements.

THE NATIONAL FLOWER SHOW, under the auspices
of the S. A. F. O. H., will be held at Chicago, Novem-
ber 6 to 15, 1908. William F. Kasting, Buffalo, N. Y.,
is chairman of the show committee.

AMERICAN PEONY SOCIETY.—It has been found neces-
sary to change the dates of the meeting of the American
Peony Society to one day later, making them June 19
and 20. A. H. FEWKES, Secretary.

SEED OF ERYTHEA EDULIS.—I send you several seeds
of *Erythraea edulis*, the pulp of which is highly nutritious.
They require several months time for germination. It
is the most desirable of the fan-leaved section of Palma-
ceae grown here, stands drouth, frost, and brilliant sun-
light without discoloring of the foliage, which is much
larger than that of the *Washingtonia*, and remains
green for years. P. D. BARNHART,
Cal.

—The seeds are almost round in shape, and about 1¼
inch in diameter. Surrounding the kernel is a very dark
colored flesh, somewhat resembling the prime of com-
merce, the skin being a shiny black also, similar to that
fruit. The flesh has a somewhat sweetish taste and, as
the name implies, is edible.

Two-Cent Postage with Great Britain.

Postmaster General Meyer has announced that an
agreement has been reached with the British Govern-
ment providing for a letter postage of 2 cents an ounce
between the United States and Great Britain and Ire-
land, to become operative October 1, 1908.

The William Scott Monument Fund.

There seems to be considerable enthusiasm manifested
throughout the country in the suggestion of our corre-
spondent "S." in last week's issue, that the numerous
florist friends of the late William Scott should contrib-
ute their mites toward the erection of a monument to
his memory.

The Florists' Exchange will be willing to receive sub-
scriptions for this very laudable movement, and to pub-
lish in its columns the names of the subscribers, to-
gether with the amount of their donations.

The Cut Flower Commission Business and Its Contingencies.

Elsewhere in this week's issue we present a carefully
prepared and thoughtful paper by Arthur A. Niessen of
the Leo Niessen Company, wholesale florists, Philadel-
phia, Pa., on the subject of "Co-operation Between the
Wholesaler and Retailer in Times of Over-production,"
read by the author before the Philadelphia Florists'
Club on Tuesday evening last.

The theme is a most important one, and Mr. Niessen's
remarks should be read carefully, and often, by those
most directly interested. Mr. Niessen believes, and we
coincide with him, that not only in times of gluts should
co-operation between the retailer and the wholesale
dealer exist, but at all times and on all occasions. This
is essential for best results, and, as far as we see, no
good reason is apparent why the most cordial relations
and the heartiest co-operation between the two classes
of merchants named should not be always in evidence.

The wholesale cut flower commission business has
assumed astonishing proportions in this country—a fact
which at once testifies to the imperative need of it, its
usefulness and value, and the excellent service it renders.
Exactness in the extreme in its requirements, it has
drawn to it a class of men whose business capabilities
are unsurpassed by those of the men engaged in any
other branch of horticultural endeavor. The conditions
confronting it, even in the smoothest of times, are of the
most trying nature, and in periods of excessive supply
almost beyond human solution. That being so, to regard
the wholesale commission florist as being merely a "ne-
cessary evil," or to fasten upon him any other oppro-
brious cognomen is to display an unardonable ignorance
of his own true worth, and of the invaluable work he is
doing and is called upon to perform.

One point in Mr. Niessen's paper which is worthy of
the best consideration is his estimate of the value or
otherwise of the "street fakir," as that industrious in-
dividual is erroneously termed. We have no patience
with the narrow-mindedness that stigmatizes the street
merchant as a nuisance, a menace to legitimate busi-
ness and such like, while at the same time failing to
mention a substitute that will take his place as effective-
ly and efficiently. It must long ago have been clear to
every thinking retailer that his own branch of the busi-
ness cannot begin to consume the quantity of cut flow-
ers produced for any of the large markets of the country
—minus those shipped to points distant from these
markets; and it is most unreasonable, not to say selfish,
to suppose, far less iterate, that for the especial ben-
efit of the retail trade all surpluses after daily retail
purchases, should be destroyed, while there is open a chan-
nel, equally legitimate, whereby these surpluses can be
considerably curtailed or entirely removed.

That the operations of the street flower merchant
mitigate to any appreciable extent against the regular
retail trade, we do not believe; that they relieve con-
gested cut flower conditions when these exist, and fur-
nish an outlet for large quantities of stock in normal
times, we are confident of; and the natural conclusion
is, that toward the development of the cut flower in-
dustry they exercise an influence that is most beneficial,
and, without which, there would be a decided loss; for
no good argument has been adduced, that their complete
extermination would mean larger purchases or increased
sales by those who occupy stores, and who regard them-
selves only as pursuing legitimate means in disposing of
stock to the final customer. On the other hand, Mr.
Niessen points out that sales of the character of those
engaged in by the street merchant are ordinarily looked
upon as a "nuisance" by the regular retailer, and touches
upon other practices that are not calculated to increase
the retail demand for cut flowers by the public, but to
curtail it, rather.

The status of the street merchant and that of the
store man in any line of business, cannot, and should
not, be regarded as similar. If the prices asked and ob-
tained by the former are smaller, so also are his profits;
and, so far as our knowledge goes, there is no discrimina-
tion in favor of the street peddler in the matter of
purchases at wholesale. When it comes to loss on his stock,
the peddler is decidedly at a disadvantage, possessing
none of the facilities for preserving same enjoyed by
those to whom he is reputed to be a business rival.

As we view the matter, the retail florist is in a far
more enviable position to-day than he was prior to the
advent of either the wholesale commission dealer or the
"street fakir." On the one hand, his sources of supply
are ever at command, and that most handily, reducing
his waste to a minimum; while, on the other, the com-
petition he imagines he undergoes in the form of the
"fakir," and which he regards as unjust and unfair, even
illegal, were it removed, would prove of no material
benefit to him, because his own business methods pre-
vent such a satisfying outcome.

In the meantime, and until matters can be adjusted
to suit him, we would again refer the retailer to the

advice given by Mr. Niessen who points out methods
not now in general operation, whereby the store man
could benefit himself and help greatly to improve condi-
tions for which he himself is far from being not wholly
responsible. It would be well for him, too, to consider
the whole situation from every side, and not merely
from that viewpoint which looks to self-aggrandisement
and begets a narrowness of conception anything but
praise-worthy.

The Rose Show at New York.

As previously announced, the rose show to be held in
the New York Botanical Garden, Bronx Park, under
the joint auspices of the American Rose Society and
the Horticultural Society of New York, will take place
next week—Wednesday and Thursday, June 10 and 11.
A copy of the schedule of premiums appears in an ad-
vertisement elsewhere in this issue. Some \$250 are of-
fered as cash prizes, and F. R. Pierson, Tarrytown,
N. Y., offers a \$25 silver cup to be awarded to the ex-
hibitor whose combined exhibits in any and all classes
are regarded by the judges as being the most instructive
and comprehensive. The American Rose Society offers
its gold, silver, and bronze medals and certificates for
new roses. The object of the promoters is to have on
display representations of all the groups of roses, and ex-
hibitors are earnestly requested to assist toward that end.

A June show of roses has long been regarded as one
of the essential features of the work of the American
Rose Society, looking to the information and instruc-
tion of the public relative to roses adapted to outdoor
purposes. The Horticultural Society of New York has
made such an exhibition possible this year, and the trade
and the private gardeners should show their apprecia-
tion of this commendable endeavor by making such a
display as will be completely representative of the out-
door rose cult in America.

In connection with the exhibition appropriate addresses
will be delivered by William C. Barry, Rochester, N. Y.,
and Secretary Leonard Barron of the Horticultural
Society.

Shade Tree Commissions.

Throughout New Jersey these very serviceable bodies
are in operation, and have accomplished a great deal of
good. The citizens of Trenton are the latest to ask for
the appointment of such a commission. The law giving
authority for the establishment of Shade Tree Com-
missions in that State was enacted in 1893. The act was
drawn up by Fred'k W. Kelsey, the well-known nursery-
man, and is very simple in its provisions. Any govern-
ing board of a city, town or borough in New Jersey
may, by resolution or ordinance, declare the law opera-
tive, and the mayor or president (in townships or bor-
oughs) is then authorized to appoint a commission of
three, which commission has substantially similar con-
trol of street tree planting, pruning, and care of trees,
and the right to assess the cost of the trees, tree guards,
etc., on the abutting property, to that which the munic-
ipality has over street openings, etc.

The value of such a commission operating in every
city, town, or borough, provided the commission is com-
posed of men who understand all about trees and their
care, is very apparent; and the example set by the State
of New Jersey in this respect is worthy of emulation
throughout the whole country.

BOOKS RECEIVED.

THE ROMANCE OF THE REAPER. By Herbert N. Casson.
Publishers, Doubleday, Page & Company, New York.
Price, \$1.

This is a most interesting volume, giving as it does the
history of the growth of one of the greatest American
businesses, which has spread all over the world—that of
the manufacture of the reaping machine. Mr. Casson
has collected a wonderful amount of information rela-
tive to this, the greatest labor-saving device ever invented,
so far as agricultural development is concerned, and he
has presented it in such readable form that the volume
at once becomes one of absorbing interest. The contents
include chapters on The Story of McCormick, The Story
of Deering, The International Harvester Company, The
American Harvester Abroad, The Harvester and The
American Farmer. The book contains numerous por-
traits of the men associated with the origin and develop-
ment of the reaper industry and other illustrations—
26 in all—taken from photographs.

There is not a man or woman in any way associated
with the agricultural interests who will not be delighted
and instructed by a perusal of this fascinating volume.

Over in England they are agitating a color chart
for sweet peas. The greatest drawback in the pro-
duction of such a chart seems to be the cost.

American Carnation Society.

Varieties Registered.

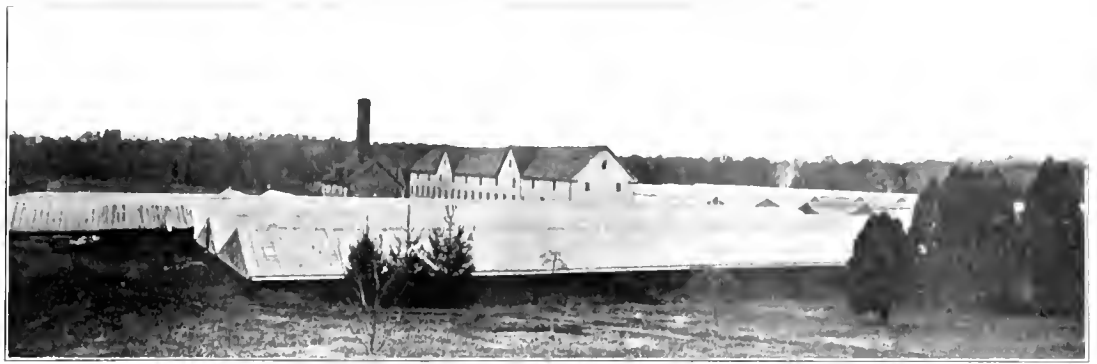
BY WA-NO-KA GREENHOUSES, BARNEVELD, N. Y.

APPLE BLOSSOM—Parentage, Enchantress on white seedling; color, white delicately blended pink; size of flower, average 3¼ inches through season; habit, rapid upright grower, all growth coming from the base, good producer and good keeper on long stiff stems.

BY A. E. BOYCE, WELLSVILLE, N. Y.

CLARIBEL WORTH, parentage, Estelle and General Maceo; color scarlet crimson, very rich; size of flower average 3¼ inches. At its best about Christmas. Good stems, none bursting calyx, foliage rich blue resistant to disease and insects.

ALBERT M. HERR,
Secretary.



Partial View of Greenhouse Plant of R. Vincent, Jr. & Sons Company, White Marsh, Md.

OUR READERS' VIEWS

To Prevent a Rash Act.

Editor Florists' Exchange:

It grieves me to learn from one of your Chicago correspondents that two of the New York commission men on Twenty-eighth street have come to the melancholy conclusion that their sphere of usefulness on this subliminary is over, and have therefore decided to shuffle off this mortal coil, and "join the great majority"; and this, too, in the merry month of June! This is sad news to me, seeing I take great interest, both in the commission men and the commission district. A more genial set of men would be hard to find, and the loss of two of them at one and the same time will be hard to bear. Their names are not given; if they had been, I should consider it my duty to personally remonstrate with them. As it is, all I can do is to give them some advice through the medium of The Florists' Exchange.

The reason given for committing the rash act is that they are "old bachelors." If they have not done the "act" before this letter is published, I would advise them to wait at least until the Florists' Club outing on July 1. Many nice young ladies attend that always pleasant affair every year, and the mere fact that those "old bachelors" are commission men might not stand in the way of their being accepted by some of them. I guess there are worse people than the commission men, if we only knew where to find them. Perhaps Jenima could be prevailed upon to come to the rescue of one of those downhearted commission men; of course, she could not be expected to take them both. She must now be just in the prime of life (46 ten years ago), and could be relied upon to take at least a motherly interest in the commission man of her choice; anyway, it would be better than joining the "great majority," even although it is the expressed opinion of that scribe that "it is high time" they did so. However, if they have irrevocably decided to "join the great majority" I hope they will choose a pleasant route, and would suggest that they take that correspondent for the Chicago paper with them, just to make sure of a warm reception.

JOHN BURNIE.

The Late William Scott.

Editor Florists' Exchange:

"Surely William Scott deserves some recognition and gratitude," says S. Indeed, surely. His gracious help to all, his advice and good will, which was universal, not bounded by class or position, nor even by oceans or continents, merits a fitting remembrance of a life largely devoted to horticulture and horticulturists. Which of the leaders will lead?
J. H.
Mass.

R. Vincent, Jr., & Sons Company, White Marsh, Md.

Situated some twelve miles north of Baltimore in a rolling, well-wooded, picturesque district, nestles the establishment of this progressive firm of plant growers. All is activity there, a veritable beehive of busy workers. A visit to this plant will be found replete with pleasure and profit. Courtesy and kindness, in a marked degree, seem firmly rooted in the representatives of this firm; so the writer found on a recent visit. A cordial welcome, I feel sure, will be extended all visitors.

Over two hundred acres of land are under direct cultivation. A rich, retentive soil it is, and admirably adapted to the various purposes to which it is applied. Here are grown for the wholesale markets such vegetable plants as cabbage, celery, tomatoes and lettuce in all the leading varieties; by the millions they are grown.

A large tract of ground is devoted to dahlias. The culture of dahlias is one of the firm's specialties, and it is recognized as one of the leading houses for dahlias in this country.

Located approximately in the center of the property is the extensive greenhouse plant. Some twenty-five or thirty houses radiate from a large packing house. All houses, sheds and cellars are furnished with electric light generated on the place. Furman boilers of great magnitude supply most of the necessary artificial heat.

Geraniums form the firm's chief specialty, and it is to their cultivation that greenhouses covering nearly two and a half acres are devoted. The Vincents are among, if not the foremost house for these plants in America. It would seem that the energies of this progressive concern have been directed toward gathering together all the best standard varieties and novelties from the leading geranium houses in Europe, America, and other quarters of the globe; therefore, the firm stands in a position ready to suit the most fastidious in taste. Annually a special geranium catalogue is issued by the firm, which is beautifully gotten up and which certainly pays a high tribute to the concern's progressiveness.

Mr. Vincent informs me that they have at least 120,000 square feet in geranium culture under glass and that they now propagate annually over two million plants from their different varieties. Therefore they are ready to meet all orders. At this season their houses of stock plants, being in full bloom, present a most gorgeous picture of coloring. Richard A. Vincent, eldest son of the present head of the firm, is an experienced man in matters pertaining to geraniums. Talking with him recently about geraniums, Mr. Vincent expressed the opinion that the Bruant type, to him, appeared the most ideal; from

this French firm have emanated such grand well-known standard varieties as *Beaute Poitevine*, *Jean Viaud* and *Alphonse Ricard*. Camell's English varieties are remarkable and conspicuous for their vivid, dazzling colors. Grand subjects are these geraniums for greenhouse and conservatory work. *Boucharlat's* and *Lemoine's* varieties still maintain their reputation for high quality. The Vincent firm has purchased over a hundred different novelties of 1908 from the above mentioned sources and R. Vincent, Jr., who has just returned from a trip to Europe, is still adding other new varieties to the already extensive collection.

Mr. Vincent says that their five leading bedding sorts for 1909 will be *Colonel Thomas*, a violet crimson, with large trusses; *Mrs. Lawrence*, a beautiful satiny salmon; *Jean Oberle*, a white with rosy eye; *M. Anatole Rosclair*, rose pink with white eye; and *Paul Crumpel*, a scarlet, which promises to be the leader in its color. It is possessed of a strong, vigorous constitution and is a profuse bloomer with flower and truss of very large size. *Mme. Recanier* is considered here the leader among whites; it is a semi-double with very large trusses, also a good grower, of vigorous constitution.

This firm is working up a large stock of variegated leaved sorts; already they have over sixteen varieties of such, and of sweet-scented leaved kinds at least twenty varieties.

Of pelargoniums a very large stock is also carried. A wide range of colors is now obtainable in this class. They make most attractive pot plants and are splendidly adapted for Easter trade. Purity still holds good as a white in this class.

At this time the exhibit of geraniums at White Marsh presents a picture of dazzling beauty. Gorgeous colors are there and many new varieties that all interested ought to become acquainted with.
J. F. J.



George F. Chandler.

Early in the morning of Memorial Day passed away perhaps the oldest florist and nurseryman in Massachusetts in point of years and experience in his calling. For 65 years Mr. Chandler conducted, first a nursery, and later added to it that of a florist business, the commencement being in 1843. For the past two years his health had failed, but up to a-most the last he was interested in all that was being done, his intellect remaining bright; and it was pleasant to hear him when in a reminiscent mood tell of the many and varied experiences of his 86 years.

The one surviving son, F. Lincoln Chandler, will continue the business as heretofore, he having been associated with his father since 1887, and of recent years having charge.

Thus passes to his rest and reward one who has done good work in his long life, who planted trees in the beginning because he loved to see things grow and lived to see the streets of the town beautiful and famous through his handiwork. Few of us attain to this, and none deserved more than George F. Chandler the title that he was truly "one of nature's noblemen."

So, Lancaster, Mass. E. O. ORPHEE.



Greenhouses of R. Vincent, Jr. & Sons Company, White Marsh, Md.

THE FLORISTS' EXCHANGE

Co-Operation Between Wholesaler and Retailer.

Paper Read by Arthur A. Niessen of the Leo Niessen Company, before Philadelphia Florists' Club, Tuesday Evening, June 2, 1908.

The title of this paper is "Co-operation between Wholesaler and Retailer in Times of Over-production." Why there have been added to the title the words "in Times of Over-production," is more than I can understand. If we cannot work hand in hand when the market is about evenly balanced between supply and demand, we certainly cannot expect to do so when the commission man is at the mercy of the retailer. We always have had, and will have at certain times of the season, a glut of some sort. This does not apply to our trade only, but to every other line as well. In our line it is due to unavoidable over-production; in other lines it is probably due to an over-estimated demand. I would like to ask the retailers present, "Are you doing anything, or are you making any effort whatever to relieve the market of its over-production?" Beyond finding fault with the manner in which the commission man is trying to meet this serious problem, the majority are doing nothing.

Relieving the Surplus.

How to find a market for this over-production is a problem worthy of a genius. It has been our experience that, although we offer flowers to the retailer at what would seem ridiculously low prices, he will not buy any more than he positively needs. The thought how they could handle this stock, and in some way increase sales, never enters the minds of the majority of them. I am quite sure, if the retailer were situated the same as the commission man during a glut, that if he had to take the stock regardless of having an immediate outlet for it, he would find ways and means to make it profitable for him to handle it. Necessity is the mother of invention, and it is wonderful what we can do when we must.

Co-Operation a Help.

It is very evident that to a certain degree the conditions of the market during a glut could be improved upon by co-operation, but in that direction progress seems extremely slow. The feeling entertained toward the commission man by many of the retailers is decidedly antagonistic. It is indeed surprising that, by many retailers the commission man is considered a necessary evil, whose sole reason for existence is to oppress the retailer by extorting exorbitant prices, and imposing all



Wittbold Watering Device—Spraying a Center Bench from a Side Pipe Line.

sorts of hardships. These retailers will without hesitation make the statement that they will favor the grower who peddled his stock every time. The commission man is called upon only during a scarcity to furnish that which the grower could not possibly supply. Coming to the commission man under such conditions, and being asked a fair price for the goods wanted, the retailer as such the commission man for the seemingly unjust treatment, and classifies him with the pirates and daylight robbers. Just as soon as we can overcome the feeling of the retailer, as described above, toward the commission man, we are one point closer to co-operation.

The Position of the Street Peddler.

We cannot dispose of our surplus to the five and ten cent stores, there is only one outlet left to us, and that is to put the flowers on the street. The street peddler by most retailers is looked upon as a demoralizer of the flower business. The commission man is solely blamed for his existence, but, let me tell you, that in the case of many of the growers who peddle their own stock their last stopping place is the curb, and they will take anything to relieve the load on their arm and will sell their wares at a price so low that the buyer is pledged to secrecy, they are ashamed to have the price known. Can you imagine what conditions would be if the growers were depending entirely on their own efforts to dispose of their products? Some of the peddlers undoubtedly have what may be termed "nerve." They will buy five thousand carnations that are almost asleep, carry them to the sunny side of Market street, in a temperature of about 90, and take what they call a chance. How many retailers, at the same price, would take the same chances? I do not wish to be misunderstood that I am here to speak for the street sellers. There is not a commission man who would not gladly dispense with them if there were any possible way of doing so. With few exceptions, they are not a desirable lot.

When the retail dealers see the street fairly flooded with flowers they should always bear in mind the fact that the commission man has offered the stock to them first, that he has exhausted all the known science of salesmanship to induce them to buy it. Many retailers will advance the argument that if there were no flowers on the street they could sell double the stock they are now selling. That is the very thing they should do, buy it and keep it off the street. "Give us the same chances you give the street fakir," is another time worn saying. Let any of the retailers try it, and the results will startle them. Let them start out some morning and ask the commission man, "What will you take for the shell?" and if you mean business the shell is yours. The tendency today is just in the opposite direction. Many of the retail stores may justly be called sample stores. They do not carry any stock, the commission man is carrying it for them. The demands are sometimes startling. Ten minutes after the goods are ordered they are supposed to be delivered. The excellent service brought about by free competition is sadly misused. In that direction co-operation would do much to overcome existing unpleasant conditions.

Relationship of Grower and Commission Man.

The commission man has, after years of persistent effort, gained the confidence of the growers. They are working hand in hand, the grower will consult the commission man about his crops for a coming season, he seeks his advice, and the trade has benefited greatly by this "mutual interest" feeling existing between the grower and commission man. That feeling does not prevail between the retailer and the commission man to the extent that it should.

The Question of Prices.

There is one feature which, in my estimation, curtails the sale of flowers, and that is, many of the retailers do not keep their prices consistent with the prevailing wholesale values. American Beauty bought at \$1.50 per dozen are sold at three and four times the purchase price. For illustration I will cite an instance of a grower who entered a retail store and priced his own mignonette on sale there; he was informed \$3 per dozen was the price. He then wondered why he was getting only \$6 per hundred for it.

To overcome a glut the retailers should aim to make large sales and small profits, instead of small sales and large profits. The ultimate results would be the same as far as profit is concerned, although a larger quantity of flowers would reach the consumer. There is a too vast difference in the price of flowers from the grower to the public. We should aim to reduce the cost of handling the stock from the time it leaves the greenhouses until it reaches the public. It seems some of the retail stores located on the main thoroughfares could dispose of large quantities of flowers by offering them at a reduced price. This they could do by eliminating all such expenses as deliveries of sales less than a certain amount, and by doing a cash business. This need not apply to all their trade, only to special sales, which may be called "bargain" for a certain day or time. The advertisement of bargains by the department stores is almost infallible bait to the public.

A department store in a small town was selling carnations at twenty-five cents per dozen on Friday and Saturday. A retailer in the same town thought of meeting this price, and bought several thousand carnations to be put on sale the same days the department store was offering its. The retailer did this not expecting to make a profit on the sales, but principally to meet the price of the department store. Making inquiry, he was offered carnations at \$10 per thousand and he felt that he was being favored, but, to put it more correctly, he was doing the commission man a great favor in buying the carnations. Selling them at twenty-five cents per dozen, he disposed of as many as five thousand on a Saturday. It is needless to say that beyond his expectation it turned out to be a very profitable business for him. There are ways and means of selling large quantities of flowers, and surely our retailers are energetic and enterprising enough to find them without having some one in another line of business show them how.

Ninety per cent. of the public are lovers of flowers, and sixty per cent. do not buy them because their means will not allow it. Why not, during a glut when flowers are cheap and plentiful, cater to the great masses, and give them all an opportunity to enjoy the beauties of nature? That would cultivate a public taste for flowers. Many prospective buyers hesitate to enter a retail store, because they have only a small sum to spend. It is indeed a fact, that by some retailers the twenty-five cent customer is considered a nuisance. That is a very sad mistake.

Many retailers hesitate to reduce the prices of flowers for fear they could not get a better price when the glut is over. They claim that their customers cannot understand why the prices of flowers should vary. I am sure we all know why the price of strawberries varies, and we know it is simply because the public has been educated along those lines. Not many of us can afford strawberries in January, but there is a time of the year when we can buy them, no matter how humble our circumstances may be. The same can be said of flowers; during a glut sell them at a price so that they may find their way into every home. But don't let the street fakir do it for you.



Wittbold Watering Device in Operation Upon a Side Bench.

Advertising and Special Sales.

Another feature which is good for the business is to run special sales. There is hardly a time in the year when some stock is not more plentiful than others, and can be bought cheap. Advertise. How many florists do it? Some of the small local papers would be a good advertising medium in certain sections. A "special sale" will bring the crowd; the people will get into the habit of frequenting your store; you are advertising your business. In my estimation, the flower business today has reached such large proportions that the advancement of the trade can only be accomplished by catering to the great masses, and not so much to the few.

What Co-Operation Means.

Co-operation properly applied is indeed a fine thing; in fact, it is only practical when both or all parties concerned derive a benefit from their combined efforts. The definition of the word "co-operation," according to Webster, is "to operate jointly to the same end." The end in this case is mutual benefit, and without that there is no co-operation. Through co-operation is brought about a combined effort, which is much greater than the individual effort. Everyone concerned derives from such a combination not a share of its strength and benefits, but all its force and good. If in striving to advance our own position we aim to advance that of the trade as well, we have true co-operation.

A man who toils solely for his own personal gain, who must make every transaction pay, regardless of the means to arrive at that end, is a menace to the trade in general. If each one of us would do a little something to better existing conditions, and do it with the feeling that the advancement of our profession is depending on our own individual effort, prompted by an unselfish interest, we would soon arrive at a better understanding, which would reap its own reward.

exhibition, are ready and will be sent to all who apply to Secretary E. W. Neuland, Tarrytown, N. Y.

Subjects and exhibits for next meeting will be "Shrubs and Hardy Perennials." L. A. MARTIN

AMONG THE GROWERS

The George Wittbold Company.

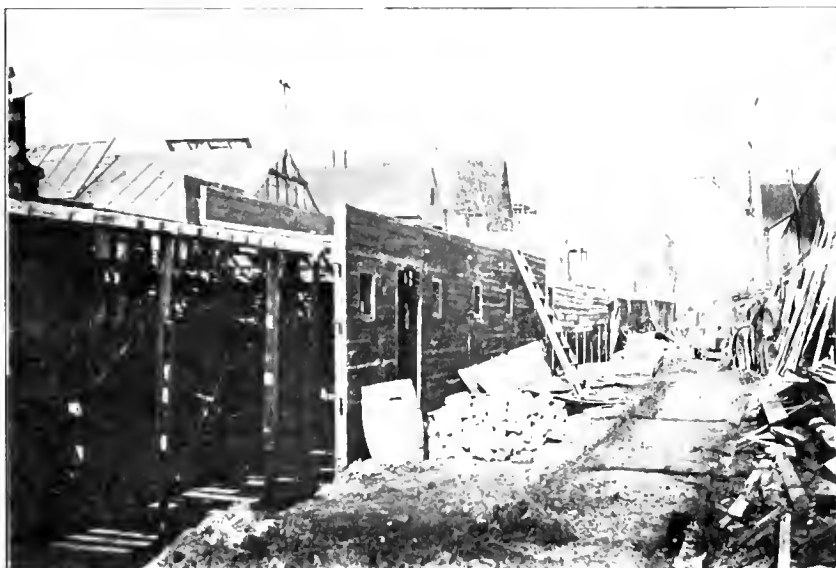
A visit to the Buckingham place establishment of the George Wittbold Company, Chicago, is at all times both interesting and profitable. Louis Wittbold, who is well-known in florist circles, has an inventive genius for greenhouse accessories, and has originated several valuable time and money-saving appliances which have come widely into use. In cement bench construction he has been a pioneer, and the Wittbold system described recently in these columns, has, due to its simplicity, many followers. Another very important invention is the Wittbold watering system. This may be seen at the Wittbold establishment in operation under all ordinary conditions. It is adapted to any situation, in greenhouses or outdoors, the only requirement being an adequate water supply. The system is a combination of ordinary iron piping, Wittbold patent nozzles, with regulating and turning devices. Like the Wittbold cement bench system, the watering system may be installed for a very small outlay. Ordinary galvanized iron pipe is used, running the length of the greenhouses, and the cost of this is offset by the fact that the use of hose may be abandoned. Wittbold patent nozzles are inserted in the piping at intervals apart sufficient for the requirements of the installation, and to meet the

of watering being a complicated event, and, as desired, without turning on full force. Any florist can install a system, proceeding by pipe locally, and purchasing the Wittbold nozzle, and swivels which are all supplied with standard threads and fittings. Any blacksmith can tap the pipe on his drill press, which is really all the mechanical work required. Many florists have drill presses in their own establishments. One swivel wheel, 20 nozzles, and 100 feet of pipe will enable any one to make an inexpensive trial of the system before further equipping. The pipe can be obtained locally, and wheels and nozzles from E. H. Hunt, 56 Wabash avenue, Chicago, who is the general selling agent for all the Wittbold specialties.

When viewing the operation of the system in the Wittbold establishment it is easily seen that it is adaptable to the requirements of any house or stock, and it has an advantage over hand watering, in that being so easily worked, watering is never neglected, as is often the case where hand watering is depended upon. One man can water a whole range in an incredibly short space of time.

The system is just as applicable to outdoor use. Pipes outdoors may be 30 feet apart with a good pressure, each nozzle throwing a spray 15 feet on each side of a pipe. The cost of an outdoor system, per acre, is trifling in comparison with the saving in labor, and increased value of crops.

Another thing which attracts a visitor to the Wittbold establishment is the manner in which every foot of glass is made to yield its greatest possible maximum of service. The location of the plant is an expensive one, and with the growth of the city there is no opportunity for expansion. In several of the houses plants are brought along in



Showing Cement Wall in Course of Construction, and Arrangement for Sash. Tying Arrangement, Showing Galvanized Iron Trays. At George Wittbold Company's, Chicago.

There is only one way that a man can help his trade, and that is by having faith in it, and confidence in those engaged in the same line of business. It is a terrible thing when we get so that we had fault with everything and everybody. We all know of some men who do this. "There is not an honest man anywhere," they say. That is all wrong. Ours is a good profession to the man who is trying to better it. If we all put our shoulders to the wheel, lifting with all our might, there would be no time to see who else is lifting. It is all depending on individual effort to produce one great force. I would advocate co-operation not only during the time of an over production, but for every day in the year.

TARRYTOWN (N. Y.) HORTICULTURAL SOCIETY.

The regular monthly meeting of the society was held on Friday evening, May 29, 1908, President Angus in the chair. The following gentlemen were elected active members: Messrs. George Begg, John McGregor and Alexander Mark, and one application received.

For this meeting J. W. Lindsay had offered prizes for the best exhibits of cut flowers from shrubs and hardy herbaceous plants. Two fine lots were exhibited by John Woodcock, gardener to General McAlpin, Ossining, N. Y., and Alexander Maitland, gardener to Mr. Carroll Dunham, Irvington, N. Y., which won in the order named.

The annual June exhibition will be held in the Music Hall, Tarrytown, N. Y., afternoon and evening of June 12, 1908, and we hope that every member will try to make an exhibit of flowers or plants. Admission is free to all interested. Schedules for this, also the November

water pressure available, each nozzle covering a number of plants, or an ascertained area of bench, or the nozzles may be placed sufficiently near each other to allow of a nozzle to each plant, for individual watering or syringing. The pipes may be hung high or low for watering or syringing, near the roof, to spray from above like a soft rain, on the bench or near the ground to syringe the under side of foliage; or from the side of a bench to wet the soil only. In fact any and every condition of watering common to hand labor can be accomplished with this mechanical system. The nozzles throw a flat, fan-shaped sheet of water, which sheets, either of themselves, or when impinging upon each other, insure a soft, even distribution of water. The watering is in the absolute control of the operator. Each line of pipe is fitted with a swivel wheel which turns easily, and throws the water in any direction within its radius, which is a complete circle.

For use in rose houses there is a special nozzle provided for syringing, which throws a more concentrated stream of water in an upward direction, with body sufficient to dislodge red spider, or other insects, and easily regulated to suit operative conditions.

The amount of water the system will throw is limited only by the pressure available. With a fair to good pressure a nozzle of regular size will deliver an even thin sheet of water covering approximately 150 to 250 square feet. For average use the nozzles are placed about 5 feet apart, which allows

ties. These ties are made of a rack of piping with galvanized iron trays. This arrangement permits of light and air reaching the under ties or benches, and further presents the opportunity of quickly removing a tier when necessary, or as quickly putting it up again. An illustration of this method is here shown.

At the present time the rear wall of one of the greenhouse ranges is being replaced with a wall of cement, and here again Mr. Wittbold's inventive faculty asserts itself. A view herewith shows the construction. At first sight it would appear to be an ordinary board and mold wall construction, but close attention will show a boxed construction on the roof, which will be used in early Spring for carrying bedding and other stock, the roof proper receiving heat from the greenhouses, and the sub-structure carrying sash. It will also be noticed that the roof of the corridor between the wall and the glass proper is laid over the glass roof of the old construction, and forms part of the mold for the 2-inch concrete roof. Paper is laid over the glass sashes and the concrete poured to the mold thickness, the sash construction and the paper being easily removed after the cement has set. The pipe studs seen projecting from the wall are not part of a plan for reinforcement, but they are the ends of short pieces of pipe placed in the end of the section to make a good binder for the next section, the whole work being done piecemeal, section by section, as opportunity offers. J. H. PERKINS

FOR THE RETAILER

Bay Trees in a Wedding Decoration.

Bay trees were used exclusively for a prominent wedding this week, and proved a pleasing change from the conventional palm and fern decorations, which are difficult to get away from, the choice of material for backgrounds being somewhat limited. The chancel of the church for this occasion was completely cleared of all seats and other obstructions, so as to leave plenty of room for decoration, and a clear view from the body of the church. Two large pyramidal bay trees, 14 feet high, were placed to the left and right of the altar. Standard and pyramidal bay trees were arranged on either side of the chancel, in irregular formation, in much the same manner as they would be placed on the side of a bank for an Italian garden effect. Immediately in the foreground were standard and pyramidal boxus, carrying out the formal effect. In front of these was a border of pink hybrid rhododendrons, and peonies. Here and there among the bay trees were large bushes of *Viburnum opulus* (the common snowball). Along the front of the chancel was an arrangement of *Spiraea Van Houttei*, the effect being that of the growing plants, many of the graceful sprays falling in festoons almost to the floor of the church. A veritable cascade of the same flowers veiled the front of the pulpit, the lectern being treated in a similar manner. The altar rails were tastefully covered with the beautiful pink weigelia, which



Leaf Scorch of *Adiantum Farleyense*.

[Reproduced from 1907 Report of Conn. Agr. Station.]

is particularly useful for decorative effects. Two tall vases filled with the superb peony *Festiva maxima* (which is at its best just now), completed the decoration of the chancel.

Two rows of bay trees were placed on either side of the church, forming an avenue. The bay trees were on pedestals five feet in height, placed in the side aisles and immediately beneath the apex of the arches. The tubs and stands were covered with oak branches, while a mass of white peonies were arranged on the tubs, and allowed to fall in graceful clusters and sprays. On every alternate pew up the center aisle an arrangement of white peonies was fastened, with long sprays of *spiraea* falling in a shower, beneath a large bow of white ribbon.

The reception was held at the house, the bride and groom receiving in front of a large mirror. This was banked on either side with *Adiantum Farleyense*, with large sprays of *Cattleya gigas* introduced here and there. *Cattleya gigas* were also arranged to form an arch over the mirror. Another large mirror at the end of the room was done with lily of the valley, several long garlands of which, made very lightly, were suspended from the top of the mirror, hanging almost to the floor. This was caught up, at about the middle with a large bow of white satin ribbon and a cluster of *Cattleya gigas*, the effect being that of a beautiful lace curtain.

The dining room walls were almost entirely covered with fresh green oak branches, with clusters of white peonies appearing here and there among the foliage.

The decoration for the buffet table was a tall old-fashioned handle basket, filled with pale pink sweet peas, one of the flowers being allowed to fall out carelessly on to the table cloth.

Commencement Exercises.

These occasions are nearly over for the season. One of the most fashionable schools in New York City holds its exercises at Sherry's. It was my privilege to be present while the floral tributes were arriving, and I may truly say I have seldom seen such a wonderful display. Every florist in town was represented, from the humble basement man to the leaders. Bouquets were stacked three feet deep, waiting to be sorted, some graduates getting as many as a dozen. Baskets were also numerous; one filled with *Cattleya gigas* and lily of the valley was especially fine. The basket was of peculiar pattern, being high at the back and very low in front. The *Cattleyas* were arranged on one side, surrounded with *A. Farleyense*. To the left of the orchids lily of the valley formed a large spray, which was continued up and over the handle, with a large French bow of green radium silk ribbon. The small Spanish iris was seen in a number of the creations, and has proved one of the popular flowers of the season. D. RAYBUN.

Plant Diseases in Connecticut in 1907.

In the report of the Connecticut Agricultural Experiment Station for 1907, Dr. G. P. Clinton, Station Botanist, describes, among other things, diseases of some ornamental plants which have appeared in that State. We make the following extracts from the report:

LEAF SCORCH OF ADIANTUM FARLEYENSE.—The accompanying illustration gives a good idea of the appearance of this trouble of the *Farleyense* fern. It was first seen by the writer in the Fall of 1902, in a Connecticut greenhouse, where it was quite troublesome. Complaint was made of it again in January, 1907, by A. N. Pierson, a large grower of ferns at Cromwell, who sent specimens for examination. The trouble shows on the leaves as prominent, often wedge-shaped, reddish-brown areas that extend inward from the clefts of the pinnae. These spots give a variegated appearance to the plants, which produce a less luxuriant growth, but otherwise appear in a healthy condition. A careful microscopic examination of the roots, stems and leaves showed no indication of any bacterial or fungous parasite. There seemed to be no unfavorable conditions of the soil to produce the injury. It appeared on the whole to be a physiological trouble. So far as the writer could determine, it seemed to be a leaf scorch, not necessarily entirely due to hot rays of the sun, but to loss of moisture from the leaves under unfavorable conditions, such as too dry an atmosphere, sudden changes of air moisture, etc. A somewhat similar trouble has been seen occasionally in nature where ferns suffered from lack of moisture. The *Farleyense* fern is very delicate, and, because of its very thin leaf tissues, is much more sensitive than other cultivated ferns to unfavorable conditions. The fact that the trouble seems to start near the veins, and that under the microscope the stomates often show discoloration before the surrounding cells, indicate that it is a trouble connected with the inability to properly control transpiration of moisture. While no doubt it is a common trouble, and probably noted before in floral writings, the writer has seen no mention of it in the literature of plant diseases. Halsted (Ann. Rep. N. J. Exp. Sta. 14: 420. 1894) describes and figures a somewhat similar trouble caused by a definite fungus (*Phyllosticta Pteridis* Halst.), and briefl states that unfavorable environment also often causes ferns to die and turn brown at their tips. Concerning the *Farleyense* trouble, Mr. Pierson wrote: "I do not think it is due to sunburn or scald, because the disease, which we have always called rust, is hardly noticeable in the Summer time, but rather when the cold, damp weather comes on in the Winter; particularly is it so this year. These very same plants that look so badly, with hardly a perfect leaf on them, will, by cutting the old leaves away, throw up perfect leaves in the Spring, without a spot on them, and can be sold for decorative purposes." This last statement seems also to indicate that this trouble is a physiological rather than a parasitic one.

SWEET PEAS, DAMPENING OFF (*Pythium* sp., *Rhizoctonia* sp.) During last July, when sweet peas were about one-third to one-half grown, occasional vines showed evidence of trouble by turning yellowish, wilting, and finally drying up entirely. An examination of such plants showed that they were more or less separated from their roots near the surface of the ground by a reddish-brown rot. Microscopic examination of the injured tissues revealed the presence of one or the other of the above fungi, as the cause of injury. Although the trouble was quite common, usually enough plants escaped to make a fair stand. As manure encourages the growth of such fungi, it should be used

with care, especially at the surface of the ground. The cold, backward Spring was apparently largely responsible for the unusual amount of dampening off this year.

Other diseases described in the report are rust on *Campanula rapunculoides*; stem rot of *delphinium* sp.; *Funkia* sp.; *Pentstemon barbatus*; *Valeriana officinalis*; leaf spot of *Kalmia latifolia*; anthracnose on the meadowsweet; rust on roses; and leaf blight of *Tecoma radicans*.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLOEAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of reasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of reasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

Retailers desiring a share of out-of-town trade should be represented by a card in this column.

Philadelphia.

A Rose and Peony Exhibition.

The peony and rose show, outdoor grown, of the Pennsylvania Horticultural Society was held June 2, and unfortunately for the best showing of peonies that could have been made the date arranged was just one week too late. The heat of some of the days last week and the downpour of rain on Saturday last damaged the peonies very seriously, so much so that only the very double and naturally late varieties were at all presentable. Among them the very best was that good old standby Festiva maxima, these were grown by and shown in the name of Edward Swayne, Shawson, near West Chester, Pa. The only variety that came anywhere near to this one was the Comroue d'Or, exhibited by John McCleary, gardener for Mrs. Penfield, Germantown. There is evidently a close relationship between these two varieties, so much alike are they in their general characteristics. Both are noble peonies, and are worthy of extended cultivation. Polyphemus in Joseph Hmley's collection impressed me very favorably. It is very full in the anemone form, with very large guard petals, and it is delicate pink in color. Marquis de Lancy in the same collection was excellent, the form good and quite large and very full of petals, being rose pink in color. It looks like a good commercial variety. Mrs. Chamberlain, dark rose pink, seems to be a good keeper. I must say that the flowerers as a rule lacked staying qualities, though toward evening they did seem to brighten up quite considerably.

The rose show, I believe, was the very best ever held by this society at this season of the year. Wm. Robertson, gardener to Mr. John W. Pepper, Jenkintown, was first as usual. William has won first prize in this class for some years past. He has the faculty of producing longer stems on the outdoor roses than any other exhibitor. How do you do it, William? The only blot in this exhibit was on one variety, the name "Madame Gabriel Luizet" written where it did not belong. There were quite a number of roses exhibited, many without any names at all. Of what use is anything exhibited—no matter what, if it is not named, and named correctly? Killarney appeared in many exhibits and always correctly named, when labeled at all, which goes to show that Killarney is a good rose to grow outdoors; and it is of such recent introduction that everyone seems to know it, and it is an easy name to remember. Fran Karl Druschki was seen in more than one exhibit, and for the same reasons as given in connection with Killarney. It was labeled correctly, General Jacqueminot, Baroness Rothschild, Margaret Dickson and Mrs. John Laing were all in good form, and I am glad to be able to say, labeled correctly.

The gem of the whole exhibition was a white form of Cattleya Mossiae, exhibited by the Julius Roehrs Company, Rutherford, N. J., on which were 12 fully expanded blooms.

Among the herbaceous flowers Thalictrum album showed up well with its flossy creamy white flowers. Foxglove bloomed up in fine form in several collections, many of the visitors speaking of it as digitalis. I was very sorry to see the oriental poppy (Papaver orientalis) labeled just simply "English poppy." Too bad some gardeners are not more particular in the labeling of the flowers composing their exhibits. Pyrethrum James Kelway showed up well as a very bright daisy-like flower. In the daylight I suppose it was magenta.

The Florists' Club of Philadelphia held its June meeting on the same evening as the peony and rose show by the older society, and a most interesting gathering it proved to me. Arthur A. Niessen's excellent paper was well received and provoked quite a profitable discussion, in which Messrs. W. K. Harris, John Westcott, Leo Niessen, Adolph Farenwald and others took part.

After the business meeting a "smoker," and all the necessary accessories were freely provided, and the entertainment committee deserve great credit for the number of excellent songs and other forms, partaking of the vaudeville, that were kept on tap until a late hour. Altogether it was a very profitable and pleasant meeting, and it is to be hoped that others equally as good will come off in the near future. EDWIN LONSDALE.

Around Town.

Mr. Moorhead, of the Rutledge Nurseries, Morton, Pa., was in town this week calling on the trade.

John McIntyre, 1501 Rainstead street, did a very good business in peonies last week and is showing some fine Spanish and Siberian iris.

Eugene Bernheimer, 41 South Sixteenth street, has some fine sweet peas, with long stems, which are better than any he has had this season. He also has some extra fine stock of adiantum and Asparagus Sprengeri.

The death of R. G. Palmer occurred May 20. Mr. Palmer was well known as a grower of Doylestown, Pa., in former years, of late he had been employed as salesman for Bernheimer and others. Mr. Palmer was thirty-eight years old and leaves a widow and children.

One of the most popular wholesale salesmen, A. Stevens, has resigned his position with Edward Reid, and is now connected with the Eugene Bernheimer Company.

The Flores Gardens are building additions to two of their carnation houses, which are now 130 feet long. They are now planting carnations in the greenhouses.

Jacob Becker, 5210 Market street, reports a very good business in ferns, ranging from \$1.50 to \$2 per pot. There was also a demand for potted geraniums of which the red colors went fastest.

W. J. Baker, 1132 South Penn Square, handled a large number of peonies, sweet peas and carnations for Memorial Day. He reports a large number of out-of-town shipments during the week.

Mr. Schroeder, West Philadelphia Flower Shop, reports a fairly successful business for Memorial Day.

Berger Bros. are showing some excellent fancy lily of the valley and fine large carnations; they report a fairly good business Memorial Day week.

The failure of Edward Steel, Dittman and Vankirk streets, Wissinoming, Philadelphia, has been announced.

The Frankford Flower Shop, 4420 Frankford avenue, reports an unusual number of designs for Memorial Day. Mr. Batzell is an amateur photographer and has a nice collection of photographs of the designs for which his place is noted.

Mr. and Mrs. Paul Berkowitz and their two daughters will visit Louisville, Ky., June 11, to attend the marriage of their son and brother, W. E. Berkowitz, a promising young attorney of Philadelphia, located in the Commonwealth Building, who will be married to Miss Edna M. Levy, a prominent and accomplished young society lady of Louisville.

The Philadelphia Cut Flower Company, 1517 Chestnut street, reports a fair business during Memorial week. This company is showing some extra fine sweet peas and Kaiserin Augusta Victoria roses.

Club Meeting.

The combination business meeting and smoker was opened Tuesday evening, at 8.15, with about 125 members and friends present. Arthur A. Niessen read a very able paper, which was freely discussed. At the close of the business meeting the evening was given over to the entertainment committee. Piano solos, songs, comic and sentimental, followed by a number of stories by some of the members. Mr. Hols of the Mask and Wig Club gave one of his famous songs, entitled "Club Life"; a clog dance was given by the Quinn Boys, and P. J. Lynch gave a humorous talk and sang the "Palms." Refreshments and cigars were freely distributed, and all had a very enjoyable time.

The bowlers are busily engaged trying to select the convention team; a hard race is in progress. P. M. R.

DAVENPORT, IA.—The Tri-City Florists held a meeting Thursday evening of last week at the Rock Island Turner hall. A committee of three members, Theodore Ewoldt, A. Anderson and Henry Gaetjke, was appointed to have charge of the annual picnic, which will be held early in July. Theodore Ewoldt extended an invitation to the members to come to a strawberry social to be held the latter part of June at his home in Davenport. The topic for discussion was "Flowers for Memorial Day" led by Adolph App.

Pittsburg.

Trade News.

Memorial Day trade was not up to expectations, particularly in the plant market. Cut blooms sold fairly well at very reasonable prices, but there was too much outdoor grown stock on hand. Peonies are not so good this year, and a few very hot days helped to spoil them more. Sparas and Crimson Rambler rose plants sold poorly. Good blooming plants of all kinds did not sell nearly as well as last Memorial Day, when everything in flower was cleaned up and prices were lower than for quite a few years. Almost all Finch stock, such as geraniums, cannas, etc., went at \$1 per dozen and even lower, and there is yet plenty of stock unsold. The department stores handled a good many plants, which were sold pretty low, one firm offered Finch geraniums at 7c. per plant, perhaps for less than cost, and they sold very fast.

At wholesale by the thousands \$3.00 was about the lowest price the grower got, the average being a little higher. Cannas in Finch pots also sold very low. There were more bedding plants in the market this season, for several of the cut flower growers who previously handled very few, or none at all, had a good stock for sale and offered them at tempting prices to the wholesale trade. The quality this year was not of the best; it was rather quantity than quality from the appearance of the stock. Geraniums and cannas were the leaders; alternanthera also went well.

John Bader's trade in plants was very heavy and he was kept busy for some weeks; being the largest grower in our city and having a good shipping trade gives him some advantage over others. Mr. Bader is now enjoying a few week's fishing in the northern part of the State to get a needed rest.

The regular monthly meeting of the Florists' Club has been postponed to Tuesday, June 9 at 8 p. m. It will be held in the store room of the Pittsburg Cut Flower Company, 222 Oliver avenue. Peonies, outdoor roses and other blooms will be shown and discussed. Cash prizes to the amount of \$20 will be awarded to private gardeners only. For the best blooms of outdoor roses, first prize, \$10; second, \$5; for the best peonies, first prize, \$10; second, \$5. This is the first competitive display of the private gardeners for cash prizes and the competition will continue for a year. E. C. REINEMAN.

Washington, D. C.

Trade Notes.

The humid days preceding Memorial Day had a somewhat deteriorating effect upon flowers as well as a sweltering public, but there was no lack of enthusiasm and sales were about normal. As usual there was an immense quantity of low grade cheap stock sold and, additionally, much was gathered from yards. Then there were contributions by the various stores and subsequent distributions at the various cemeteries, chiefly Arlington, where numberless blossoms are annually strewn upon the graves of Union soldiers. There were quite a few set pieces, such as wreaths, pillows, crosses, etc., made by the various stores. The public generally turned out en masse. About 4.30 p. m. a terrific rainstorm sent them scurrying to places of shelter, but gave great relief from the excessive heat.

The decoration for the few Confederate dead in Arlington will take place on June 7; this also calls for quite a number of flowers and the ceremonies set for this occasion bid fair to be of a most impressive character, including the unveiling of the Southern cross.

One of the unique features of Memorial Day just past was the liberating of a boat laden with flowers upon the waters of the Potomac at Washington. After appropriate ceremonies this little craft, with its load, was set adrift to land where Providence might cast it, in honor of those who had lost their lives by water. The idea originated but a year or so ago, but seems rapidly to be spreading to other sections of our great country.

For some time it has been the ambition of many of our fellow florists to have the Crimson Rambler rose flower in time to use the cut sprays for decorating on May 30, but so far as is known, the blooms reached greater maturity this season than ever before, the most likely to the premature hot weather. The peony crop locally was much hurt by the

hot drouse and by a heavy frock on May 27 (over-abundant).

Cut peonies generally show the end of the season for Washington flowering plants and if hot weather continues, and the season prove to be so hot such occasions as June weddings and school commencements; the latter usually continue and assist trade greatly until about the 20th of the month.

With the closing of the Congressional session on May 30, many of the society people are leaving the city.

JAS. L. CANARY.

Detroit.

Memorial Day Trade and its Lesson.

The long looked for chance for a general activity struck us a few days before Memorial Day. The wholesale houses were well loaded down with shipping orders going as far as St. Paul, Minn.; they soon realized that a hurry call for more goods was needed to get enough for shipping as well as local trade. Summing matters up, everything was cleared out at good prices except peonies which for some reason or other found no favor.

The retailers have done equally well, and everything sold well at good prices; in many instances an increase of 15 per cent. in trade volume has been acknowledged. A more liberal display of peonies by the retailers might have improved and brought about additional sales of these flowers.

This condition we view with more gratification because it demonstrates the general advance our product has made in the eyes of the purchasing public. We may feel skeptical in view of the many reports of a falling off in business during the times of stringent money, still the real volume of trade the florist does per year cannot be judged in that way exactly. We know full well that a large funeral or wedding may increase the receipts of one month by a couple of thousand dollars, and it may be a year or two before this recurs. I remember one customer leaving an Easter order for 150 boxes of flowers, each containing one dozen lilies, but last Easter this party was in Europe. Such incidents cut into our receipts and furnish grounds for everlasting debate on the question as to whether trade has improved or not.

This recent experience in the Memorial Day business, though, proves to us all one most important point, namely, that the general public look at our product as a necessity; they may curtail the expenses in this or that line, but when a public holiday arrives the florist receives his full share of patronage. It is entirely in our hands to cultivate further this favorable omen, and the most successful way to do this is to supply the best goods and not increase the price too much. FRANK DANZER.

Providence, R. I.

News Notes.

The new greenhouse, 300x41 feet, being built by William Hay at Oaklawn, R. I., and almost completed was considerably blown out of plumb by the high winds of Saturday night; both ends of the greenhouse were open and the wind getting under the structure caused considerable damage.

James B. Canning reports business much better than usual the past month and is thoroughly cleaned out of his immense stock of bedding plants, which was one of the best seen about here. His Memorial Day trade far surpassed that of any previous year.

Thomas F. Kellar is moving to his new store on Mathewson street, north of Westminster street, a most excellent location.

Engene McCarron says it was the busiest Spring he had in his twenty years in the business, both in landscape work and funeral designs.

Joseph L. Reuvelod has returned to his post with the T. J. Johnston concern after another attack of a gripple.

William Parry has resigned his position at J. F. Woods.

G. J.

SCHENECTADY, N. Y. Memorial Day trade this year seems to have been equal to last year's. The general call was more for cut flowers than plants, although small bedding plants were in demand.

Frederic A. Howe opened his branch store on Jay street in time to catch some of the Memorial Day trade; he has fitted out the new store in an up-to-date manner, making it an attractive place. B.

GRAFTED ROSES

FINE STOCK. READY NOW
Killarney, Carnot, Kaiserin Augusta Victoria, Uncle John, from 2 1/2 in. pots, \$2.00 per dozen; \$15.00 per 100; from 3 in. pots, \$2.50 per dozen; \$18.00 per 100.

OWN ROOTS
Killarney, 2 1/2 in. pots, \$1.00 per dozen; \$8.00 per 100; from 3 in. pots, \$1.50 per dozen; \$12.00 per 100.

CARNATIONS
From Pots: Fine Healthy Stock.
READY NOW: 100 1000
Winsor \$7.00 \$60.00
Helen M. Gould 7.00
Melody 6.00
Dahlem and Estelle 4.00

CHRYSANTHEMUMS
A. J. Balfour, Autumn Glory, Ada Spaulding, Col. D. Appleton, Crema, Cullingsfordi, Dr. Enguehard, Dorothy Devena, Geo. Kalb, Glory Pacific, Harry May, H. W. Klemm, Ivory, Jennie Nonin, J. E. Lager, J. H. Troy, Mrs. H. Robinson, Maud Dean, Meta, Mrs. Jerome Jones, Miss Minnie Wannamaker, Miss Alice Byron, Mrs. Bner, Miss M. M. Johnson, Major Bonnaffon, Mad. Ferd. Bergmann, Nagoya, Polly Rose, Robt. Halliday, Solly 10 October, Timothy Eaton, Vivand, Wood, W. H. Lincoln, Mrs. Robt. McArthur, Wm. Duckham, F. A. Cobbold. Price from 2 1/2 inch pots, \$3.00 per 100, \$25.00 per 1000. Rooted Cuttings, \$1.50 per 100.

CANNAS
Strong plants from 3 1/2 in. pots (30 fine named varieties), \$6.00 and \$8.00 per 100.

VERBENAS
Best Mammoths, from pots, \$3.00
ASPARAGUS
PLUMOSUS NANUS, 2 1/2 in. pots 4.00
3 in. pots 5.00
SPRENGERI, 3 in. pots, 6.00
4 in. pots, 8.00

MISCELLANEOUS PLANTS

Ready for Immediate Sales
Alyssum, 2 1/2 \$3.00
Achyranthes, Emersoni, etc., 2 1/2 3.00
Abutilon Savitzi, 3 4.00
Ageratum, 3 4.00
Copes Pet, 2 1/2 3.00
White Cap, 3 5.00
L. Bonnet, 3 5.00
P. Pauline, 3 5.00
Stella Gurney, 3 5.00
Alteraanthera, red and yellow, 2 3.00
Ampelopsis Veitchii, pot grown, 3 8.00
Browallia speciosa major, 2 1/2 4.00
Cuphea Platycentra, 2 1/2 3.00
Celosia, all the leading varieties, 3 4.00
Dracopis Indivisa, fine stock, 1 20.00
English Ivy, 3 1/2 8.00
Feverfew, double white, 2 1/2 3.00
Fuchsia, double and single, 2 1/2 3.00
Geraniums, double and single, 3 1/2 7.00
Strong, 3 1/2 8.00
Special Color or variety, 2 1/2 3.00
Double and single, 2 1/2 3.00
Ivy Leaved, 3 1/2 8.00
Gazania Splendens, 2 1/2 4.00
3 6.00
Heliotrope, light and dark varieties, 3 1/2 6.00
Ivy, German, 2 1/2 3.00
Lantana, 12 best varieties, 3 6.00
Lobelia, New Double Blue, 2 1/2 4.00
Moonflower, 2 1/2 6.00
Petunias, double, 2 1/2 3.00
Petunias, single, 2 1/2 3.00
Salvia, splendens and Bedman, 3 1/2 5.00
2 1/2 3.00
Stevia compacta, 2 1/2 3.00
variegata, 2 1/2 3.00
Tropaeolum, double red and yellow, 2 1/2 4.00
Vines, variegata and elegantissima, 3 5.00
Violets, Marie Louise, \$25.00 per 1,000

20,000 CHRYSANTHEMUMS Rooted Cuttings Now Ready.
WHITE—Timothy Eaton, Mrs. Geo. S. Kalb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touse, Jeanole Nonin. PINK—Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Koster. YELLOW—Major Bonnaffon, Crema, Robt. Halliday, "Baby," small yellow, \$2.00 per 100; \$15.00 per 1000. Cash with order.
WM. SWAYNE, P. O. Box 226, Kennett Sq., Pa

CHRYSANTHEMUMS
Best commercial varieties, \$2.50 per 100, \$20.00 per 1000.
STAR PETUNIA, short frame-grown, tall bloom, \$4.00 per 100.
VERBENA, 3 1/2 in., branched, frame-grown, \$4.00 per 100.
BEGONIA Vernon, 3 1/2 in., in bloom, \$5.00 per 100.
ASTERS, white, Queen of the Market, 50c. per 100. Cash, please.
HENRY EICHHOLZ, Waynesboro, Pa.

CHRYSANTHEMUM CUTTINGS FOR SALE
ENGUEHARD, BONNAFFON, WANAMAKER, POLLY ROSE, APPLETON, TOUSET, MONROVIA, \$1.50 per 100.
QUIDNICK GREENHOUSES, Quidnick, R. I.
Anthony P. O. J. H. CUSHING, Prop.

CHRYSANTHEMUMS
from 2 1/2 in., \$2.50 per 100; \$22.00 per 1000
Polly Rose, Glory of the Pacific, Ivory, Appleton, Enguehard, Bonnaffon.
SMILAX, from 2 1/2 in., \$2.00 per 100, \$18.00 per 1000.
ASPARAGUS Sprengeri, 4 in., \$6.00 per 100
C. A. Peterson, 196 MAIN STREET, MADISON, N. J.

CARNATIONS
Pleasant healthy plants. From 2 1/2-inch pots, \$2.50 per 100; \$20.00 per 1000; 500 at 1000 rate.
3750 GENEVIEVE LORD 1000 PROSPERITY
500 HARLOWARDEN 1700 QUEEN
CHRYSANTHEMUMS
Fine young stock from 2 1/2-inch pots. Ready now, \$2.50 per 100; \$20.00 per 1000; 500 at 1000 rate.

THE H. WEBER & SONS CO. OAKLAND, MD.
CARNATIONS
F. DORNER & SONS CO. LAFAYETTE, IND.
CARNATION CUTTINGS AND PLANTS
ONLY THE BEST VARIETIES
SEND FOR OUR LIST
Chicago Carnation Co. JOLIET, ILL.
A. I. PYFER, Mgr.

AFTERGLOW
Strong Rooted Cuttings now ready
\$12.00 per 100; \$100 per 1000.
R. WITTERSTAETTER (Originator)
Station F. CINCINNATI, O.

JOHN E. HAINES BETHLEHEM, PA.
Is the place to order rooted cuttings of the following varieties for 1908:
John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000
Place orders early for December delivery.

THE WEEK'S WORK
Timme's Timely Teachings.

The Cape Jessamine.
This is the time of year when the Cape Jessamine as a potted plant is most easily had in bloom. The finest specimens of Gardenia florida in pots that ever private gardener pointed at with justifiable pride were brought into bloom in the congenially humid atmosphere and under the lightly screened glass roof of a camellia house. It is under conditions such as these liberally provided for where plant life in its perfection must be a part of a richly endowed estate—that the fastidious Cape Jessamine thrives and is most easily managed. Grown in pots as market plants, gardenias will never be in line with what commercial florists consider profitable stock. Their behavior as such under a treatment oftentimes sweepingly alike for all the rest would place them among the least desirable. At best, if their foliage retains its glossy green and buds remain to open, their flowering season is short, and since they are most unsatisfactory plants for the living room or parlor adornment their culture as such to any appreciable extent by the retail plant grower cannot be encouraged. A limited number of early and late flowering, nicely shaped plants, if so desired, may be obtained by preserving some from the young stock, intended for mass culture in benches and by potting up a few of the best to be found among the old plants in clearing a bench. All this is work that had better be attended to now, so that the young stock to be benched may have the benefit of the warm weather now approaching to become firmly established, with plenty of time before it to gain the required strength for the production of delicious, highly valued flowers at a time when gardenias are most apt to prove their merit commercially.

The Planting of Gardenias.
Good drainage in pots or benches is of prime importance. Especially should gardenias be safeguarded by this simple means against the greatest of evils in their culture an overplus of moisture at their roots, causing befouling of soil, decay of root terminals and in its train the yellowing of leaves and rapid deterioration of the plants. All this is not questioned by any one who ever grew gardenias, but it is my opinion that in the matter of drainage, especially as regards gardenias as a cut flower crop under bench culture, precaution is frequently carried too far. Hill planting ordinarily has its good points, but in connection with properly working drainage underneath it only adds to the cares in the treatment of the stock. To provide each plant with its own little hill and this on a foundation of an excessively high layer of water shedding material at the bottom of the bench, renders the keeping of a uniform and needful degree of moisture in what soil there is for the roots to work into an almost impossible task. An inch or at the most two inches of rough, coarsely broken up turf soil is all-sufficient for the covering of the openings in the bottom of the bench. Between three and four inches of the soil proper, placed on this, fills the bench. The mixture should be of a rather sandy, gritty nature, be made up of very old, earthlike manure, easily broken up, fibry turf and leaf mold, gathered in the woods, not made at home. The right stock for planting are, thrifty, deep green, young plants, well rooted, but not rootbound in 3-inch pots. Any plants coming out of larger pots, or old ones to be reset anew in planting, will throw their best crop of bloom too early to prove profitable. Frequent sprinkling rather than heavy watering is to be relied upon in securing a good start for the plants.
Fuchsias.
Among flowering plants of the true greenhouse and dwelling room class, ever admirable when well grown and in bud and bloom, fuchsias continue to hold their position of prominence. For greenhouse display and sales in potted plants during the Summer months none surpasses the fuchsia in point of easiness in culture and enticing appearance to buyers. The growth of fuchsias, at this season in particular, is wonderfully rapid, and as

WOOD BROTHERS, Fishkill, N. Y. GRAFTED ROSES

2500 KILLARNEY, 4-in. pots, \$20.00 per 100; \$150.00 per 1000.

Chrysanthemum Stock, 2 1/2 in. pots

Table with 4 columns: PINK, YELLOW, WHITE, and Per 100. Lists various varieties and prices.

EDWARD J. TAYLOR, Green Farms, Conn.

CHRYSANTHEMUMS
3000 Appleton, 500 each Timothy Eaton, Yellow Eaton, Monrovia, W. Duckham, Chelton, Pacific, Nellie Pockett, 1000 Mrs. W. Duckham, 500 F. A. Cobbold, 500 Garza, ready for planting, from 2 1/2 in. pots, \$1.00 per 100, \$20.00 per 1000. Many other kinds in smaller quantity.
CHAS. H. TOTTY, Madison, N. J.

SURPLUS STOCK CHRYSANTHEMUMS
ROOTED CUTTINGS Per 1000
Polly Rose, white \$12.00
Glory of the Pacific, pink 12.00
Robert Halliday, yellow 12.00
Bergmann 12.00
Col. Appleton, yellow 12.00
Alice Byron, white 12.00
Bonnaffon, yellow 12.00
Bonnaffon, white 12.00
Jones, white 12.00
Jones, yellow 12.00
T. Eaton, white 12.00
Dr. Enguehard, pink 12.00
Helen Frick, pink 20.00
McArthur, white 12.00
GEORGE ATKINSON, Orange, N. J.

CHRYSANTHEMUMS
Good Rooted Cuttings and plants from soil now ready.
WHITE—Estelle, Polly Rose, A. Byron, Ivory, T. Eaton, Geo. S. Kalb, Mrs. Robinson, Opah.
YELLOW—Robert Halliday, Col. D. Appleton, Crema, Mrs. John Whilliday, Major Bonnaffon.
PINK—Glory of the Pacific, P. Ivory, Dr. Enguehard, Minnie Bailey.
\$1.25 per 100, \$10.00 per 1000.
Cash or P. O. D.
D. H. GREEN, West Grove, Pa.

CHRYSANTHEMUMS
For Every Purpose. A card will bring our Illustrated 1908 Catalogue.
ELMER D. SMITH & CO., Adrian, Mich.
Successors to Nathan Smith & Son.

The American Carnation Price, \$3.50
A.T. De La Mare Ptg. & Pub. Co., 2 Duane St., New York

long as this is encouraged by timely re-potting and proper care, grand and stately plants may be had in due time for a highly exacting trade later on. But most satisfactory to the greater class of patrons greenhouse men are called upon to supply during the warm season, are bushy plants of medium size, compact, bushy growth or conical shape, every branch showing buds and bloom. Most varieties, after having been transplanted for the last time into the richest of compost, at first make a remarkable, most luxuriant growth, branch out freely without the grower's aid and seem to find no time for the formation of buds. But, finally, when the roots, balled in their toraging ramble by the inner walls of the pots, form themselves into a loosely interwoven network around the soil, the plants get ready for business, developing buds and flowers on every ever so small terminal, as well as the stronger leading shoots. This they will keep up for a considerable time if rightly attended to, which merely stands for what nearly all kinds of growing and flowering plants at this season require - water in frequent and thorough going applications, fresh, freely circulating air, as much as the greenhouse will hold, and some shade on sunshiny scorching days.

Pansies.

In outdoor gardening the planting of pansies seems never to come to a stop from the earliest beginning until nearly the end of the season. Our books testify to sales in pansies as late as the middle of August, while orders for the making and stocking of pansy beds throughout June and July are nothing unusual. That stock for these late plantings must be raised expressly is self evident. We make our latest sowings in March, but seeds sown even as late as the middle of April will amount to something fine in flowering pansies during the three or four closing months of the season, long after the earliest lots have lost their erstwhile vigor, grown into stringy, poorly flowering runners, a sorry sight, indeed, in every garden. When planting pansies in beds or ribbon lines, especially these late pansies, rich soil must be the first thing to make sure of. Stable manure, not necessarily far advanced in decomposition, may be used to the extent of forming fully one third in the soil, and more if well decayed. An intermixture of a reasonable quantity of sifted coal ashes is good for pansies and helps to keep the moisture, which, in spite of frequent rains and supposed overabundant dance therefrom, is hardly ever sufficient for the needs of flowering pansies any longer than a day or at the most two. Pansies growing in rich soil form an astounding bunch of roots, and when examined but a few hours after a heavy rain shower will be found to be dry enough for another good drenching. Water, plenty of it, with no radical drying out between drenches, is what pansies like, is what they need, if expected to remain in fine condition for any length of time. FRED. W. TIMME.

CARNATIONS

Rooted Cuttings, No. 1 stock.
White Lawson, Lady Bountiful, \$2.50 per 100, \$20.00 per 1000
Queen, Pink Lawson, \$1.50 per 100, \$15.00 per 1000
Harlowarden, \$1.50 per 100, \$15.00 per 1000
Enchantress, \$2.00 per 100, \$18.00 per 1000
White Perfection, \$2.50 per 100, \$22.50 per 1000.
Cash with order or satisfactory references.
SMITH & GANNETT, GENIVA, N. Y.

A. F. LONGREN

Rooted Cuttings and Plants of Carnations and Chrysanthemums
My Specialty
DES PLAINES, ILL.

CARNATIONS FROM POTS

Queen \$2.00 per 100
Harlowarden... .. 2.00
Lady Bountiful... .. 3.50
Rose Pink Enchantress... 4.50
White Enchantress... .. 6.00
Pink Imperial... .. 6.00
John E. Haines... .. 5.00
Cash with order.

S. G. BENJAMIN, Fishkill, N. Y.

SURPLUS STOCK

GERANIUMS, 1 in. Nutt, Ricard, La Favorite, Viaud and other from rocky plants 50
MOON VINE, 1 in., 8c.
COLEUS, 3c
NASTURTIUMS, 3c
VINCA Variegata 1 in., 10
IVY, English, 1 in., 10

ENGLISH IVY

Fine plants out of 4-in. pots, 3 and 4 feet long, bushy, 2 and 3 plants in a pot at \$10.00 per 100.

CANNAS, leading varieties, out of 4-inch pots, \$1.00 per 100.
Cash with order.

CHAS. ZIMMER WEST COLLINGSWOOD, N. J.

GERANIUMS, in bud and bloom, S. A. Nutt, Beauté, Poitevine, A. Ricard, John Doyle, Mme. Jamin, 2 1/2 in. pots, \$5.00 per 100.
HELIOTROPE, Chieftain and Queen of Violets, 2 1/2 in. pots, \$5.00 per 100.
REGONIA, Rex and Metallica, 3 in. pots, \$1.00 per 100.
PELARGONIUM Victor, 2 1/2 in. pots, \$1.00 per 100.
ROSE GERANIUMS, 3 in. pots, \$5.00 per 100.
NASTURTIUMS, 3 in. pots, \$2.50 per 100.
SALVIA Splendens, CUPHEA (Cigar Plant), AGERATUM, dwarf blue, VINCA Variegata, HELIOTROPE, Chieftain and Queen of Violets, 2 1/2 in. pots, \$2.00 per 100.
PHLOX Drummondii, 3 in. pots, \$2.50 per 100.
Cash with order.

WM. J. CHINNICK, - Trenton, N. J.

CHEAP

1000 GERANIUMS, 1 in. pot, \$6.00
2000 GERANIUMS, 2 1/2 in. pots, 5.00
1500 MIXED COLEUS, 2 in. pots, 4.50
1000 CENTAUREA Gymnocarpa, 2 in. pots, 4.50
1000 VINCA Variegata, 2 in. pots, 2.00
1000 VERBENAS, Mitchell's, 2 in. pots, 4.75
1000 DOUBLE PETUNIAS, 2 in. pots, 5.00
500 DOUBLE PETUNIAS, 2 in. pots, 2.00
500 SALVIA Splendens, 2 in. pots, 1.75
500 IMPATIENS Holsten, 2 in. pots, 3.00
Cash with order.

F. I. RAWLINGS, Monongahela City, Pa.

GERANIUMS

RICARD, DOYLE, VIAUD, NUTT, 2 inch, \$2.00 per 100, \$18.00 per 1000.
NUTT, BUCHNER, RICARD, VIAUD, JAU-LINE, \$1.00 per 100, \$3-inch pot.
Cash with order.

PETER BROWN, Lancaster, Pa.

First-Class Stock

Geraniums, S. A. Nutt, 1 in. bud and bloom, \$4.00
1000 in. stock, bushy, spread out plant, 4 1/2 in. \$1.00, 7 in. \$2.00 and in bloom \$3.00 and \$2.00 per 100. Coleus, 12 varieties, 1000, 2 in. \$1.50, 4 in. \$2.50 per 100, \$14.00 and \$25.00 per 1000. Cannas, Chas. Henderson and Yellow 4 in. \$1.50 per 100. Petunias Salvia, Verbenas, 1 in. \$2.00 per 100. Vinca Variegata, 4 1/2 vines, 12 1/2 in., 2 1/2 in. \$1.00 per 100. Cash. Stock guaranteed.

WM. S. HERZOG, Morris Plains, N. J.

Geraniums

S. A. NUTT, RICARD, POITEVINE, BUCHNER, DOYLE, one stock 4 in. pot, \$1.00 per 100, \$5.00 per 1000. Cash with order.

RUDOLPH NAGEL, South West End Ave., LANCASTER, PA.

Jensen & Dekema

CARNATION SPECIALISTS
647 W. Foster Ave., CHICAGO



LIKE THE BEE

So is Godfrey Aschmann, the Philadelphia Hustler, Never Idle

BAY TREES in tubs, just arrived from Europe, stems 6 feet high from top of tub, crown 20 inches in diameter, \$15.00 per pair.

GERANIUMS, S. A. Nutt, John Doyle and mixed colors, 1 in. pots, \$7.00 per 100.

AGERATUM, dwarf blue, best bloomer, 1 in. \$1.00 per 100.

REGONIA, Verion, finest strain, as dark as blood. Seeds of this beautiful variety picked by myself from specimen plants in Zurich, Switzerland, 4 in. pots, \$7.00 per 100, 3 in. \$5.00 per 100.

BEGONIA, new improved Erfordi, the true variety. Seeds are gathered by myself in Europe; nothing can beat this beautiful variety, either in brilliancy or in blooming, as it is always in flower Summer and Winter. 4 in. pots, \$7.00 per 100, 3 in., \$5.00 per 100.

SALVIA or Scarlet Sage, 1 only grow one variety, and that is the true Clara Redman or Bonine variety, of medium tall habit. A whole bed planted in mass is a sight to see when blooming. It looks as if the whole bed is on fire, hardly any leaves are visible. This variety decorates all the gardens in the capitals of England, France, Germany and Switzerland. The seeds of this novelty are collected by myself in Switzerland; therefore, I can supply the pure stock. 1 in., \$7.00 per 100.

HELIOTROPE, 3 in., \$1.00 per 100.

FUCHSIAS, best varieties, 1 in., \$7.00 per 100.

CANNAS, L. Petry, 6 in. salmon pink, Chas. Henderson, Pennsylvania, Austrian Yellow, Halia, etc. large plants, 4 in. \$8.00 to \$10.00 per 100.

IVY, Hardy or English, 3 feet high, 1 in., 100, \$1.00.

VINCA VARIEGATA, 2 1/2 in., \$5.00 per 100.

GERANIUMS, Mme. Salleron, 2 1/2 in., strong, \$1.00 per 100.

PHLOX DRUMMONDI GRANDIFLORA, 2 1/2 to 3 in., \$3.00 per 100.

LOBELIA Compacta and Trailing Crystal Palace, 2 1/2 in., \$3.00 per 100.

TRADESCANTIA, 2 best varieties, \$3.00 per 100.

VERBENAS, best strain all colors, 2 1/2 in., \$3.00 per 100.

PETUNIAS, California Giant, 3 to 4 in., \$1.00 per 100, Inimitable or dwarf, 2 1/2 to 3 in., \$1.00 per 100.

SWEET ALYSSUM, Carpet of Snow or Little Gem, 2 1/2 in., \$3.00 per 100.

SUMMER CHRYSANTHEMUMS, 3 in., \$3.00 per 100.

NASTURTIUMS, dwarf, 3 in., \$3.00 per 100.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants.
1012 W. ONTARIO ST. PHILADELPHIA, PA.

GERANIUMS

Nutt, Doyle, Ricard, Buchner, Viaud, Poitevine, Mme. Salleron, 1 in. \$1.00 per 100, 4 in. \$2.00 per 100.

COLLUS Golden Redder, Vetscheffeltin and 4 other colors, 2 in. \$1.50 per 100.

ASTERS STOCKS PHLOX 2 in., \$1.00 per 100.

AGERATUM, Gurney 2 in. \$1.50 per 100.

SALVIA Rouine, HELIOTROPE and FUCHSIA, 1 in. \$2.00 per 100, 2 in. \$2.00 per 100.

ASPARAGUS Plumensis and Sprenger, 1 in. \$2.00 per 100.
Cash with order.

ERNEST HARRIS, Delanson, N. Y.

GERANIUMS

1 in. in bud and bloom, \$5.00 per 100.
Selection of sorts to remain with us.
Cash with order.

J. E. FELTHOUSEN

151 Van Vranken Ave., SCHENECTADY, N. Y.

GERANIUMS

2 in. S. A. Nutt, \$20.00 per 1000.
\$2.25 per 100; rooted cuttings, \$12.00 per 1000, \$1.25 per 100. VARIEGATED VINCA, rooted cuttings, \$10.00 per 1000. Cash with order.

S. N. PENTECOST

1790-1810 East 101st St., CLEVELAND, O.

COSMOS, white, red and pink, 3 plants in a 4 in. pot, separate colors, \$1.00 per 100.

CENTAUREA GYMNOCARPA, 2 1/2 to 3 in., \$1.00 per 100.

KENILWORTH IVY, 2 to 2 1/2 in., \$3.00 per 100.

BOSTON SCOTTII and WHITMANI FERNS, 2 1/2 in., \$7.00 per 100.

CLEMATIS JACKMANNI, the true variety from Europe, 6 in. pots, 3 feet high, 35c, to see each.

ARAUCARIA ROBUSTA COMPACTA, new importation, 6 in. pot, 3 tiers, \$1.25 to \$1.50. Araucaria Excelsa Glauca, new importations, 6 in. pots, \$1.00 to \$1.25.

ARAUCARIA EXCELSA GLAUCA, for the town or porch, 1st Spring (1897) importation. Only specimen plants can be offered of the beautiful type, 6 1/2 in. pots, 25 to 35 in. high, 50 in. width, 6 year old 5 tiers, \$1.75, \$2.00, \$2.50 to \$3.00 each.

Have just received per Steamer Zealand (May 11) from Antwerp about 5000 Araucaria Excelsa of all sizes. Plants, 2 tiers, \$1.12 in. 36, 12 to 14 in., 50c, above, 60c, to 75c.

KENTIA BELMOREANA, 1 in., 20 in. high, 50c, 4 in., 20 to 25 in. high, 50c, 5 1/2 in. pots, 60c to 75c, 7 in., \$1.50 to \$2.00 each.

KENTIA FORSTERIANA, 7 in. pots, 10 to 30 inches high, \$2.00 to \$3.00 each, 4 in. pots, 20 inches high, \$1.50, 6 in. pots, 25 inches high, \$1.00, 6 in. pot, 20 inches high, 75c, 7 in. to 7 1/2 in. pots, 50c each.

DRACENA BRUNTI, 6 in., 35c.

TORFENIA FOURNIERI, 1 in., \$1.00 per 100.

TAGETES, or MARIGOLD, Eldorado, 3 in., \$3.00 per 100.

DIANTHUS, or Chinese and Japanese Pinks, 1 in., \$3.00 per 100.

MOON VINES

Don't forget we lead the world in Moon Vines. We are the growers and wholesale shippers of the famous Ipomea Multiflora. Fully 20,000 are grown and shipped by us to every city of every state in the United States, and to Canada and Mexico. Have a reputation in this variety for the past twenty years, and the record shows that the amount demanded every year grows enormously. This favorite variety flowers very early, is a rapid grower, blooms freely in big clusters, with pure white waxy flowers as big as a saucer and is very fragrant, 1 in. pots, nicely staked up 12c, 2 1/2 in., \$5.00 per 100.

Cash with order, please.

All goods must travel at purchaser's risk.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants.
1012 W. ONTARIO ST. PHILADELPHIA, PA.

GERANIUMS

Nutt, Doyle, Ricard, Buchner, Viaud, Poitevine, Mme. Salleron, 1 in. \$1.00 per 100, 4 in. \$2.00 per 100.

COLLUS Golden Redder, Vetscheffeltin and 4 other colors, 2 in. \$1.50 per 100.

ASTERS STOCKS PHLOX 2 in., \$1.00 per 100.

AGERATUM, Gurney 2 in. \$1.50 per 100.

SALVIA Rouine, HELIOTROPE and FUCHSIA, 1 in. \$2.00 per 100, 2 in. \$2.00 per 100.

ASPARAGUS Plumensis and Sprenger, 1 in. \$2.00 per 100.
Cash with order.

ERNEST HARRIS, Delanson, N. Y.

GERANIUMS

1 in. in bud and bloom, \$5.00 per 100.
Selection of sorts to remain with us.
Cash with order.

J. E. FELTHOUSEN

151 Van Vranken Ave., SCHENECTADY, N. Y.

GERANIUMS

2 in. S. A. Nutt, \$20.00 per 1000.
\$2.25 per 100; rooted cuttings, \$12.00 per 1000, \$1.25 per 100. VARIEGATED VINCA, rooted cuttings, \$10.00 per 1000. Cash with order.

S. N. PENTECOST

1790-1810 East 101st St., CLEVELAND, O.

THE FLORISTS' EXCHANGE

CLASSIFIED ADVERTISEMENTS

Cash with order.
The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.
Our charge is 10 cts. per line (7 words to the line), set solid, without display. No advt. accepted for less than thirty cents.
Display advertisements, in these columns, 15 cents per line; count 12 lines agate to the inch.
[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.]
Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday.
Advertisers in the Western States desiring to advertise under Initials may save time by having their answers directed care our Chicago office at 4543 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—Rose grower, American, aged 25; five years' experience. Address, H. X., care The Florists' Exchange.

SITUATION WANTED—By young married man as gardener on private place; thoroughly experienced. Will go South. Aged 28 years. Address, R. Z., care The Florists' Exchange.

SITUATION WANTED—By young man, single, with ten years' experience in roses and general greenhouse stock, also in bee culture. Address, X. Y. Z., care The Florists' Exchange.

SITUATION WANTED—First-class designer and decorator, able to take charge of a place. Years of experience; best references. State salary. F. Pearson, Westbury, N. Y.

SITUATION WANTED—As foreman by experienced rose grower on first-class commercial place; references unexcelled. Neighborhood of New York. Address, Eastern, care The Florists' Exchange.

SITUATION WANTED—By single man as greenhouse man on private place or nursery. Industrious, sober, honest and a hustler. Best of references. Address, G., care The Florists' Exchange.

SITUATION WANTED—As working foreman, good grower in all branches; not afraid of work, single; good references. Address, A. Bwald, care Van Cott, 565 Lyell avenue, Rochester, N. Y.

SITUATION WANTED—By single man, life experience, as working foreman. Carnation, roses, chrysanthemums and general stock grower. Address, Florist, 129 West 15th street, New York City.

SITUATION WANTED—As helper (21), six years' experience in the florist business. Commercial or private. Sober, honest, references. Address, Alex., 147 Linden avenue, Irvington, N. J.

SITUATION WANTED—By a young man, sober, honest and hustler, 21 years of age. Has experience in carnations, roses and general bedding lines; good references. Address, W. R. S., care The Florists' Exchange.

SITUATION WANTED—By young man, 22, speaks French and English, understands general garden and farm work; 10 months' experience in greenhouses, good references. Not afraid of hard work. Address, W. W., care The Florists' Exchange.

SITUATION WANTED—Advertiser the past three years designing and constructing a large estate would like to associate with good nursery. Thorough knowledge of trees, shrubs, herbaceous plants and every department under glass. Plans, surveying, road making, drainage, etc. Highest references. Address, Competent, care The Florists' Exchange.

SITUATION WANTED—By good grower as foreman of first-class place, long experience on good wholesale and retail places with roses, carnations, chrysanthemums, ferns and general pot and nursery stock; for first-class trade. Good worker, sober and ambitious references. State wages and full particulars. Address, Rose Grower, 13 Berard street, Boston, Mass.

GROWERS OF CHRYSANTHEMUMS WHO HAVE MORE STOCK PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

Thirty cents is the minimum charge for advertisements on this page.

Prices Advertised in these Columns are for **THE TRADE ONLY**—When Writing Please Mention **THE FLORISTS' EXCHANGE.**

HELP WANTED

WANTED—First-class budders. State experience and give references. Good wages. Address, Faucher Creek Nurseries, Fresno, Cal.

WANTED—Good man to take charge of ornamental ground; must be a good ladder and grafter. Schroeder-Sou Nursery Company, Lafayette, Cal.

WANTED—An experienced man by reliable seed house for indoor and outdoor work. References required. State salary wanted. Address, N. Y., care The Florists' Exchange.

WANTED—Florist, single man, to board on place; must understand orchids and roses. Three small houses. Bring references. Kraft, rear 30 Franklin street, Newark, N. J.

WANTED—Two bright active young men for seed store; must be experienced and have clean record. Permanent places and advancement if satisfactory. Address, Counter Seeds, care The Florists' Exchange.

WANTED—First-class grower or foreman for 25,000 feet of glass near Pittsburg, Pa., growing carnations, chrysanthemums. Easter and bedding stock; \$15.00 per week. Good position for right man; state references. Address, H. M. 50, care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED—Celeriac plants; state variety, quality and price per hundred. A. P. Saunders, Clinton, N. Y.

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, F. X., care The Florists' Exchange.

WANTED TO LEASE—With privilege to buy, 5,000 to 10,000 feet of greenhouses, with land and dwelling. Southern New England or Eastern New York State preferred. Address, O., care The Florists' Exchange.

I Am Prepared to Buy
FORCED BULBS
In the Following Varieties:

- NARCISSUS.** Golden Spur.
 - TULIPS.** Kelserkroon, Prince of Austria, Murillo (double), La Reine.
 - HYACINTHS.** White Roman.
- Apply in first instance, with lowest price to

BULBS, CARE THE FLORISTS' EXCHANGE

FOR SALE OR RENT

FOR SALE—At Madison, N. J., three greenhouses, stocked with roses; dwelling house, seven rooms and bath; five minutes from station; three minutes from freight station; city water, Inquire, Mrs. M. B. Maguire, 21 Keep street, Madison, N. J.

FOR SALE—Greenhouses. About 30,000 feet of glass in first-class condition, well stocked with roses; fine location for retail trade. Handy to Boston market for wholesale; chance of a life-time. Reason for selling all my time is taken up with other business. Write for particulars or call and see them. Address, H. P. Crawford, Mount-De Station, Brockton, Mass.

FOR SALE—Chance of a lifetime. On account of my husband's death, I desire to sell the business and property which consists of eight hothouses filled with different plants as the market here requires. Also cottage with eight rooms and barn, five acres of land in good condition, besides hothouses and two hot-water boilers in good condition. If interested, please address, Mrs. Hugo Book, 10 College street, Worcester, Mass.

MISCELLANEOUS

GREAT CHANCE for florist to go in business with small amount of money. Write F. H. Baker, Stafford Springs, Conn.

FOR SALE—Twenty shares of stock in the A. T. De La Mare Printing and Publishing Company—publishers of the Florists' Exchange. Price \$5.00 per share in lots of five or more shares. Apply to R. Irving Outwater, 15 Exchange Place, Jersey City, N. J.

STOCK FOR SALE

EGG PLANTS, strong and stocky, transplanted twice, 75c. per 100. Bay View Floral Company, Southold, N. Y.

MARGE LOUISE VIOLET PLANTS, fine healthy stock, \$20.00 per 1000, in clumps, F. V. Clarkson, Lock Box 40, Chatham, N. J.

100 PIE LOBELIA, Kathleen Malherb, 2 1/2 in., full of bloom, 4c. Mignonette, 2 1/2 in., in bloom, 2 1/2 c. J. L. Stone, Trumansburg, N. Y.

SALVIA ZURICH, in bud and bloom, 4 in., \$6.00 per 100; 3 in., \$3.00 per 100; 2 in., \$2.00 per 100. The Krueger Brothers Company, Toledo, O.

SWEET POTATO PLANTS, now ready. Big stems. Yellow Nanslemont or Yellow Jersey, \$1.50 per 1000; by mail, 30c. per 100. H. Austin, Felton, Del.

25,000 ALTERNANTHERAS, at \$25.00 per 1000. No shipping. Cash with order. John Lappe, Juniper avenue, Maspeth, L. I.

MME. SALLEROI GERANIUMS, 300 extra strong. Fall struck, 2 1/2-in. pots, \$2.50 per 100. John Corwen, Berwyn, Pa.

VINCA, variegated and green, extra heavy, 4 1/2 in., 1 1/2 c.; 2 1/2 in. good, 2 1/2 c. Robus Verschoffeldt and fine assorted, 2 in., strong, \$2.50. Cash. L. E. Marquisee, Syracuse, N. Y.

FLORISTS' COMMERCIAL ASTERS, field-grown, separate colors, will be ready June 1, early, medium and late, \$2.50 per 1000. A & G. Rosbach, Pemberton, N. J.

ASTER PLANTS, all the fancy leading varieties, in separate colors or mixed, transplanted, 50c. per 100; \$1.00 per 1000, for A No. 1 stock. Paul Thomson, West Hartford, Conn.

3,000 RED GERANIUMS, in bloom, 4 in., \$5.00 per 100. 500 mixed colors, 2 1/2 in., \$2.00 per 100. World trade for carnations. Joseph Graeber, 1845 West Third Street, Chester, Pa.

GERANIUMS, 10,000 plants to select from—Nuit, Polistine, Laundry, Becher and other varieties, \$1.00 per 100; out of 4 in. pots. Packed light. Cash with order. Edw. Mueller, Orchard Park, N. Y.

FLORISTS' ASTERS, field grown, Brewer's Perfection, ready now, \$2.50 per 1000. Celery, tomato, cauliflower, celeriac, parsley; write for prices. George Burned, 261 West Pulney street, Corning, N. Y.

20,000 Finest DABLIAS, all named varieties, 5c. each or \$5.00 per 100; Brunhilde, Kriemhilde, Floradora and Gen. Buller. Cash with order. Chas. Nagle, 667 Melrose avenue, New York City.

CHRYSANTHEMUMS, R. C. Bonaffon, Dr. Buguehard, \$10.00 per 1000; unrooted, \$5.00 per 1000. Stevia, R. C., \$10.00 per 1000. Cash with order, please. Jacob Kol, Walnut street and Avondale road, East Nutley, N. J.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2 1/4-inch pots, \$12.00 per 100; \$110.00 per 1000. Ray and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices Julius Roehrs Company, Rutherford, N. J.

CARNATIONS, field-grown, 15,000 Enchantress and Winsor, ready for delivery July 1. Orders filled in strict rotation. Order now and be first. Prices on application. We guarantee satisfaction; we lead in superb field-grown stock. Wa-No-Ka Greenhouses, Garfield, N. Y.

VINCA, 2 1/2 in., \$2.50 per 100; \$22.50 per 1000. Asparagus Sprenger, 3 1/2 in., 6c. 4 in., 8c. strong Double Nasturtiums, 2 1/2 in., 3c.; R. C., 1 1/2 c. Chrysanthemums, White—Estelle, Polly Rose, Touset, Willbrook, Ivory, Byron, Robinson, J. Jones, North, Pink—Pacific, Ivory, Diekhart, Liger, Enguehard; Yellow—Monrovia, Haliday, Bonaffon, Appleton, 2 1/2 in., \$3.25 per 100; R. C., \$1.25 per 100. Stafford Floral Company, Stafford Springs, Conn.

FOR SALE

TOBACCO BEST, \$2.50 per 100 lbs.; in cases, about 350 lbs., 2c. per lb. Tobacco stems, \$2.00 per bale, about 400 lbs. Cash with order. S. R. Levy, Binghamton, N. Y.

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parsheisky Brothers, 50 Montrose avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hotbed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hotbed sash. V. E. Reitch, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE—Florist's Refrigerator, size 10 feet wide, 4 feet 6 inches deep; 8 feet 6 inches high; white enamel, beveled French plate glass mirror in back of supply compartment; perfect condition. BARGAIN! Address, B., care The Florists' Exchange.

FOR SALE

FOR SALE—Self-contained fire box return tubular boiler, with 36-foot smoke stack and hood. This boiler has been used two winters and heated 8,500 square feet of glass to 50 degrees. Will test to 75 or 100 lbs. working pressure. If wanted, can be either used for hot water or steam. Enlarging plant, cause of selling. Price, \$225.00. F. O. Kramer Brothers, Farmingdale, L. I., N. Y.

FOR SALE—300 boxes 10x12 and 10x14 in. double thick glass, 5,000 feet 4-in. east-iron pipe; 3,000 feet of 1, U2 and 2 in. wrought iron pipe; 300 hotbed sash, size 3x6 with 10x12 glass; two No. 17 Hitchings boilers; one No. 8 Furman sectional boiler; 600 feet Hitchings youthling apparatus. All as good as new. Cheap. J. Sussermann, 229 Livingston street, Newark, N. J.

FOR SALE

PIPE Good serviceable second hand with good threads and a coupling with each length, no junk—1 in. 3c.; 1 1/4 in. 4 1/2 c.; 1 1/2 in. 5c.; 2 in. 6 1/2 c.; 2 1/2 in. 10 1/2 c.; 3 in. at 14c. and 4 in. at 19c. New 2 in. standard black, 10 1/2 c. Old 4 in. greenhouse pipe, 14c. per foot; 4 in. boiler tubes, 8c. per foot. All kinds of fittings for 4 in. cast iron. All sizes wrought iron pipe carried in stock.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, new round boiler, heating 900 sq. ft. of glass, \$40.00. Richmond boiler, heat 6000 ft. of glass; 1 Handy boiler, heat 2500 ft. of glass; 1 H. B. Smith, heat 3000 ft. of glass. We have other sizes and makes in stock. Write for prices.

PIPE FITTING TOOLS New and old. Large stock always on hand.

GARDEN HOSE In lengths up to 500 ft., with couplings, 50 ft. lengths carried in stock. 3/4 in., 3 ply, guaranteed 100 lbs. pressure, 8 1/2 c. 4 ply guaranteed 250 lbs. pressure, 12 1/2 c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New, 8x10 single at \$1.69 per box, 16x12 C. double, \$1.75 per box; 10x12 and 12x12 B. double, \$2.00 per box; 12x14 to 12x20, 14x14 to 14x20, 16x16 and 16x18, B. double, at \$2.15 per box; and 16x20, 16x24 and 12x24, B. double, \$2.26 per box. Discount given in large quantities.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Plant Growers' Outing.

The New York and New Jersey Association of Plant Growers held an important meeting at the Hotel St. Denis, Broadway and Eleventh street, New York City, on June 2, 1908, at which a large gathering was present. The committee which was appointed at the last meeting to arrange for an outing of the association, and which consisted of A. L. Miller, Herman C. Steinhoff, Herman Schuelzel and John Scott, made its report. The association will give its outing on June 25, 1908, at Terra Marine Inn, Huguenot Park, Staten Island, and the members will meet at the Staten Island Ferry, foot of Whitehall street, New York City, at 10:30 a. m. on that day and then proceed by boat, train and automobile to the place of the outing. The committee has made full arrangements for plenty to eat and drink, music, dancing, games, races, bowling and other sports and pastimes, and it is evident that the association intends to have a day's fun. In order to evade the personal tax upon its capital, which has rapidly increased since its incorporation, the association has decided to furnish each of its members with tickets to its outing gratis. It is expected that all members with their families and friends will attend and thoroughly enjoy themselves.

W. H. S.

OREGON, MO.—N. E. Murray, a leading horticulturist, is dead. He was a prominent and long-time member of the old State Horticultural Society, and a former president. When the horticultural board was organized a year ago, Mr. Murray was appointed by Governor Folk one of the six trustees on that board.

REVIEW OF THE MARKET

NEW YORK There is so much stock coming into this market at present that such a thing as fixed prices on any line almost is out of the question. The Memorial Day trade did not begin to use up the stock available and no advance in the values of the previous week was possible. In spite of all the talk about June being a great month for weddings, communciations, etc., there is nothing taking place of any moment so far, and flowers of all kinds are much too plentiful. Peonies are beginning to be a factor, and from reports we hear an immense crop of these flowers is to be sent into the city; what the prices will be can only be told after the season is over. At the present time it is possible to get \$1 per dozen where the variety is choice and the quality perfect; ordinary flowers are, however, available in quantity, and prices on these range from \$3 to \$1 per 100.

Roses continue plentiful, though, of course, the quality is not what it was some weeks ago. Prices obtained are very unsatisfactory and must be extremely disappointing to the growers. Carnations are still in very heavy supply and cannot be cleared out completely even when the speculators' prices are met and lots of several thousand are disposed of at one sale. A surplus still always seems to remain after the day's business is over, however cheap the ruling price may have been. Callias are quite plentiful just now, and to those desiring to make disposals of these flowers, this should be their opportunity, as in hundred lots they can be had quite reasonable.

Lilies are yet in fairly good supply, prices remaining about the same. Lily of the valley is one flower for which there has been a demand somewhere near equal to the supply during the last few days; consequently, prices have remained somewhat firm with a possible advance on special grade lots. Lilac is not so much in evidence, though there is a little here and there. Sweet peas are falling off in supply; there is not likely to be any dearth of these flowers for long however, as the outdoor crop will soon materialize. A few gladioli reach the market daily; we noticed some fine spikes of the two new varieties, Princes and America in W. P. Sheridan's store this week.

CHICAGO Memorial Day business in this market was good. There was plenty of everything, and an enormous quantity of stock was handled. While prices were not quite so generous as in previous years, the aggregate sales swelled the volume of receipts to an extent which more than made up for the deficiency in prices. Wholesalers generally express themselves as having had a very satisfactory holiday trade. Roses of all kinds moved well, although the bulk of the offerings were somewhat off in quality owing to the warm weather. Carnations sold well in all but the white varieties, the lower grades of which had to be sacrificed. Peonies were plentiful and brought from 75c. to \$1 per dozen. In the better grades, however, there was much evidence of a long holding of flowers, and many shipments fell to pieces in the wholesalers' hands.

The market is somewhat dull this week and sales are largely of the forced kind. After the best of everything is picked out the balance moves only under pressure and at bargain prices. Carnations are in abundance, and hang in considerably. There is a noticeable absence of anything like quality in many of the arrivals; when good prices received come within the range of quotations. Lilies are plentiful, but do not move well. Lily of the valley is coming in in very small quantities, not nearly sufficient to supply the demand, which is always good in June. Sweet peas are also on the scarce side, and much larger stocks could be profitably handled. There is quite a demand for yellow stock, but practically nothing with which to meet it. Cool weather again is bringing a marked improvement in certain indoor stock, and if it continues is likely to have a beneficial effect on June trade.

J. H. P.

NEW BEDFORD, MASS. Memorial Day trade for 1908 was a hummer, considering the hard times. There were plenty of flowers on hand, also a lot of outdoor stock. Carnations retailed at from 75c. to \$1 per dozen, the latter price being for fancy. Roses brought \$1.50 per dozen retail; sweet peas, \$1 per hundred blooms. There was a good demand for bouquets, these being sold all the way from 50c. up. Geraniums were great sellers, 12c. and 15c. each being the price asked. Pansies sold well, also daisies and forget-me-nots, 35c. and 50c. per dozen being the general price.

HORTICOLA

INDIANAPOLIS It is pleasing to report that Memorial Day business continued favorably with that of last year which was a record-breaker. The improvement in the general business world is still filled with mutterings of discontent and poor trade, from which the flower business has been wonderfully immune. Extremely warm weather caused downward flowers to bloom on every hand. Peonies, particularly, were accessible to the masses at low figures, and kept many from buying at the shops; \$1 to \$2 per 100 was the price for peonies early in the week; \$3 to \$4 per 100 was obtained for them by Friday.

Crown Hill Cemetery, its sides bedecked with masses of well-filled vases and flower strewn graves, presented an inspiring sight on Thursday. The profuse quantities of flowers noticeable on every hand last week are about all gone. Since, with cool weather, a reaction has set in which makes it almost impossible to obtain a respectable supply of stock for the trade. Carnations were offered during the warm spell for \$1 per 100, with no buyers; now \$2 to \$2.50 per 100 is readily obtained.

Long-stemmed roses of any size will be in demand throughout the month for weddings and other social affairs of unusual dimensions. A large portion of the roses received are of poor quality and bring prices far below quotations. Excellent Kaiserin Augusta Victoria La France and Richmond are bringing \$7 to \$8 per 100. Bride and Bridesmaid are poor at \$1 to \$5 per 100. American Beauty too, have fallen from the standard at \$3 to \$20 per 100.

The supply of Harrisi lilies and callas is augmented by some good auratum at \$15 per 100.

The bedding season is drawing to a close. Those with stock on hand will have no difficulty in disposing of it, as several have withdrawn from the field. The prices received for much well-grown stock are so low that it is not always a profitable business. L. P.

ST. LOUIS The cut flower market was in better shape the past week than is the latter part. Business picked up greatly and the wholesalers cleaned out pretty well. Friday and Saturday reports for Memorial Day business were good, and an increase over last year is reported. Prices went up a point or two, and almost everything in season could be had. To-day, June 1, finds the commission houses scarce on some stock for the first time since Easter. There are plenty of American Beauty in all grades; the select long-stemmed blooms bring \$4 per dozen. Bride and Bridesmaid are in plenty, also Killarney; selects go at \$6 per 100, and others as low as \$2 per 100. Carnations are up to \$3 for fancy and \$2 for next choice; these are becoming scarce. Plenty of peonies can be had at \$3 and \$1 per 100. A lot of outdoor stock is in, but selling at cheap prices. The weather has at last settled and we have had no rain for the last four days. Planting out is almost completed.

ST. PATRICK

PHILADELPHIA The sultry weather of last week was the cause of an extra large quantity of wide open stock, and the unusual large quantity of flowers found everywhere. Up to Friday all the commission houses were busy day and night shipping stock out of town. The local florists held off buying till the last minute. Peonies were very plentiful and went at an average of 60c., although in one or two cases 15c. was obtained.

Sweet peas bring from 50c. to \$1. American Beauty run from 15c. to 25c. Some water lilies are seen in the commission houses, selling at \$1.

Considerable business was done in bedding stock, especially by the florists located near the cemeteries. Scarlet geraniums were the leaders. Potted ferns ranging from \$1.50 to \$2, also sold well. P. M. R.

ST. PAUL, MINN. All things considered, trade has been remarkably good during May. The rainfall has been one of the largest on record, hardly a day passing without showers. This has hindered planting a great deal and has also hurt store trade. Memorial Day business surpassed all previous records. There were not many outdoor flowers—lilies all gone and a few snowballs just coming in. Stock was fairly plentiful though there was a noticeable shortage of carnations. Shipping trade was very heavy. School communciations began last week in the county towns so that helped to augment the demand. This week communciations and June weddings will call for lots of red roses and carnations.

The season is well advanced. Spirea Van Houttei and snowballs are now well along and peonies are beginning to show color. VERITAS.

BOSTON The Memorial Day trade in this city was fairly much more so than in former years, but prices did not advance notably over well as last year. There was quite a demand for all kinds of flowers, although of some stock there was such a surplus that had been waiting for days, that it was hard to move some of it. Now stock is plentiful in its large quantities, and the popular flowers like rose and carnations can be bought very cheaply. Wedding decorations are now starting in, which use up many of the finer flowers. American Beauty roses have not been so much in demand, and the other grades of Kaiserin Augusta Victoria, Sanyo in du Print, Edin Carrot, Killarney and Richmond are still very fine, but the figures they bring do not average so high as at the same time last year. Carnations are abundant, colored sorts sell fairly well, but there is practically no demand for white varieties.

Lilies are a drug, but callas are not so plentiful as they have been. Gladioli are now abundant, so are the early varieties of peonies which sell fairly well. Marguerites of extra fine grades are seen, which sell well. Sweet peas are in fair demand. Lily of the valley from out of doors is about past, but it does not have the demand of that grown under glass. Spideras are yet plentiful. Fewer lots of such flowers as stocks, candytuft, etc., which help swell the variety at this season. J. W. D.

PROVIDENCE, R. I. Business for the month of May and Memorial Day was very satisfactory, both in cut flowers and funeral work. The sales of bedding plants were better than at any time in several years.

There was a profusion of first-class stock both in greenhouse and hardy or outdoor cut flowers.

Deutzia gracilis is one of the best flowers for the making up of moderate priced bouquets and baskets that can be had.

Carnations brought \$10 per 1000 when first-class; roses from \$5 to \$12 per 100, according to grade. Stocks were very fine, realizing from \$4 to \$6 per 100. Sweet peas sold at 60c. to 75c. per 100; Lily of the valley, \$3 to \$4; lilies, \$8 to \$10; Marguerites, \$1.50 to \$2; candytuft, 50c. per bunch; spirea, \$3 to \$5; and gladioli, \$6 to \$8 per 100. G. A. J.

CHANGES IN BUSINESS.

The Florists' Exchange will be pleased to publish under this heading all changes occurring in the addresses of firms connected with the trade as well as notices of concerns or individuals just starting in business. All such items are inserted free of charge.

EAST LIVERPOOL, O. The Lake Newell Floral Company has opened a branch store here in the Travis block on Sixth street.

GARDNER, MASS. Arthur E. Graves has bought a greenhouse here and will engage in the business of raising vegetables for the Boston market. He will take possession at once.

LA CROSSE, WIS. Articles of incorporation have been filed for the La Crosse Floral Company, which is capitalized at \$10,000. The incorporators are C. E. Schaefer and W. R. Elliott. Six acres of land have been purchased and two large greenhouses will be erected.

PROMYKILL, CONN. The A. N. Peterson Company has filed a certificate of incorporation. It is capitalized at \$20,000, and it will take over the extensive business now operated by A. N. Peterson. The incorporators are Andrew N. Margaret G. and Wallace R. Peterson, all of Cromwell.

FIRMS WHO ARE BUILDING.

Items for insertion under this heading are respectfully solicited from our subscribers. They are published free of charge.

CRESTON, IA. John Miller is contemplating the enlargement of his greenhouse plant.

SALEM, ORE. Carl Roof is building two new greenhouses, one 22 x 100, the other, 22 x 100 feet, to be devoted to carnations and v-b-lots.

BUSINESS DIFFICULTIES.

BATH, N. Y. Henry Drummer filed a petition in bankruptcy in United States Court in Bath, on Monday May 25, 1908. His assets are given as \$1,000 and his liabilities \$1,110.

St. Louis.

News Notes.

Mr. M. S. A. of 1500 W. Indiana street is on his way to the State Garden to do his first planting of the year on Sunday, June 7. The big boys are hard at work on getting the planting, which has been delayed by bad weather, and Professor Fitch says everything will be in good shape for the opening.

Frank Weber of H. J. Weber & Son Nursery Company was in St. Genevieve, Mo., last week with a big force of men erecting a large rack of flowers for the annual meeting of the Southeast Drainage Association. Other decorations were also made by him.

William T. Jordan, son of the late J. M. Jordan, is assistant to City Forester A. Meyer, Jr., and is doing a great deal of good for the department.

Saturday (Memorial Day) the four wholesale houses closed up in the afternoon to give their employees a half holiday.

Henry Emmons of Belleville, Ill., and Edwin Decker of St. Charles, Mo., were in the city Friday of the past week buying Memorial Day supplies.

Park Commissioner Scoulan has got himself into a peak of trouble by announcing that no more picnic parties could be held in Forest Park. All the women's clubs are up in arms and visited the mayor to have the order rescinded; he promised to look into the matter.

The June meeting of the Florists' Club will take place next Thursday afternoon at 2 o'clock in Bowman Hall, 1023 Locust street. President Young and the rest of the officers will be on hand, and a large attendance is looked for to select the grounds for the annual picnic.

ST. PATRICK.

A Card of Thanks.

The St. Louis Horticultural Society wishes through these columns to express its appreciation and thanks to the various growers, wholesalers and retailers for their liberal contribution of choice and fresh cut flowers donated to the "floral booth" of the Charity Carnival, held May 16, 1908.

Otto G. Kohn, Secretary.

New Orleans.

News Notes.

J. Valdejo sailed for Europe a few days since, to be gone three months.

C. W. Eichling has purchased the buildings and ground, where he has been located for several years past, at the corner of St. Charles avenue and Delachaise street. As St. Charles avenue is the front residence street of New Orleans Mr. Eichling can be congratulated upon his purchase.

James A. Newsham returned during the past week from a successful orchid collecting trip to Central America. Mr. Newsham visited Mexico, Guatemala, British and Spanish Honduras. In addition to several shipments already received there is on the way a fine lot of Laelia Digbyana and superb ones, Ocotoglossum grande, Oncidium splendendum and an assortment.

We are passing through a period of excessive heat, but plants of semi-tropical nature seem to enjoy it and are blooming profusely.

There is coming to the market just now large quantities of Triumph (Chrysanthemum maximum) daisies and some of the superior Shastas.

CRESCENT CITY.

Indianapolis.

News Items.

Herbert Heller of New York was a recent visitor. A commission house in the vicinity of Fortsburg, which would handle Indiana products exclusively, is a necessary institution in his opinion.

Another hailstorm in this vicinity Tuesday evening, May 26, broke a quantity of glass in the greenhouses at Cunningham. Bergen Brothers Company were the chief sufferers; the Smith & Young Company lost but a small amount.

The State Florists' Association will hold its monthly meeting Tuesday evening, June 2. Routine business will be transacted.

The wedding of Mrs. Ellen Decker, daughter of E. J. Decker, and Fred K. Decker took place June 4 at her family residence.

The 11th annual meeting of the B. P. O. E. will be held at Crescent City, Ind., during this week. J. E.



Wittbold Watering Device in Operation upon a Side Bench—The Showering Effect is Plainly Seen in the Photograph

THE WITTBOLD WATERING SYSTEM

FOR GREENHOUSE AND FIELD WATERING

A simple arrangement of pipes, special nozzles and swivel wheel—EASILY INSTALLED BY ANYONE in a greenhouse or outdoors. An entire house may be WATERED or SYRINGED in a few minutes by simply turning on the water. The operator directs a CONTINUOUS SHEET OF WATER upward from bench or floor, downward from above, or parallel with a bench so that only the soil is watered. Potted or benched stock thoroughly watered or syringed all along each line of pipe in any manner required.

Installed at small cost Is a permanent investment. Never wears out Pays for itself in hose and labor in a few months.

Try it on a line of pipe. A swivel wheel and 20 nozzles costs only \$5.00 and will show exactly how valuable a complete equipment would be to any florist or vegetable grower.

Can Be Seen in Use At

Vaughan's Greenhouses, Western Springs, Ill.; Geo. Wittbold Co., Chicago; A. Abten, New Orleans; South Bend Floral Co., South Bend, Ind.; Davis Bros., Morrison, Ill.; W. B. Davis & Co., Aurora, Ill.; Stephen Hyde, Carthage, Mo.; A. C. Oelchig & Son, Savannah, Ga.; Chamberlain & Bunker, Fremont, Mich.; R. T. Donnell, Springfield, Ill.; Wm. Edlstein, Milwaukee, Wis.; Klehm's Nurseries, Arlington Heights, Ill.; Lincoln Park, Chicago, and many other places.

Catalogue Sent On Application

E. H. HUNT, Sales Agent, CHICAGO
76-78 Wabash Ave.,

PLANTS FOR 2cts.

Swainsona alba, 2 in., 2c. Feverfew, Heliotrope, Cuphea, Coleus, White Ageratum, 2 in., 2c.
FEVERFEW, double white, nice young plants, 75c. per 100.
 Vinca var.; Alternanthera, red and yellow; Stock Princess Alice, 2 in., 2c.
PANSY PLANTS, in bud, \$3.00 per 1000.
STEVIA, dwarf, 2 in., 2c.
DUSTY MILLER, 2 in., 2c.
FUCHSIAS, 8 kinds, 2 in., 1 1/2c.
SWEET ALYSSUM, single dwarf, 2 in., 1 1/2c.
IVY GERANIUMS, 2 in., 2 1/2c.
ROSE GERANIUMS, 2 in., 1 1/2c.
GERANIUMS, 5 fine kinds, 2 in., 2c.
SHASTA DAISIES, California, Alaska, 2 1/2 in., 3c.
DOUBLE PETUNIAS, 5 kinds, 2 in., 1 1/2c.
THUNBERGIA, 2 in., 1 1/2c.

Rooted Cuttings below prepaid per 100
 Petunia, double, 10 kinds, \$1.00; Swainsona Alba, \$1.00; Cuphea, 2 kinds, 75c. Vinca Variagata, 90c.; Paris Daisy, yellow and white, \$1.00; Alexandra, \$1.25. Flowering Begonias, \$1.25. Coleus, 10 kinds, 60c.; Ageratum, Inimilabile, white, 60c.; Alternanthera, 3 kinds, 50c.; Salvia, Bonfire, 40c.
 Cash or C. O. D.

BYER BROS., CHAMBERSBURG, PA.

HELLO! Here Is Your Chance

GERANIUMS, HELIOTROPES, FUCHSIAS, \$5.00 per 100.
HARDY CUPHEA, \$5.00 per 100.
HYDRANGEAS, large plants, \$10.00 per 100.
HONEYSUCKLE VINES, 6 in., \$12.00 per 100.
COLEUS, in fancy colors, \$2.50 per 100.
CIGAR PLANTS, GROUND CUPHEA, VERBENA, ARTILLERY PLANTS, LOBELIA, FEVERFEW, FUCHSIA, DAISIES, 2 1/2c.

Mrs. J. H. CLAUS

1119 Roy St., - Philadelphia, Pa.

CYCLAMEN GIGANTEUM

July Seedlings, strong and healthy, ready for 2 1/2, 3 and 4 in. pots, at \$6.00, \$8.00 and \$12.00 per 100.

LEHNIG & WINNEFELD HACKENSACK, N. J.

CYCLAMEN

Splendens Giganteum Hybrids—Finest strain in the world in five true colors, extra well grown plants from 2 1/2 in. pots, \$5.00 per 100; \$45.00 per 1000.

Satisfaction Guaranteed
PAUL MADER, East Stroudsburg, Pa.

BEDDING PLANTS

GERANIUMS Per 100
 S. A. Nutt, 2 1/2 in., \$5.00
 S. A. Nutt, 3 in., \$4.00
 Double Gem, Grant, 4 in., \$5.00
 Mme. Salleron, 2 1/2 in., \$2.00

Cash with order
Robert A. Elliott, - Morristown, N. J.

ASTER PLANTS

QUEEN OF THE MARKET, Sample's and Chalmers', separate colors, from the best seed, fine plants, ready to plant out, 35c. per 100; \$2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Asparagus

Sprengeri, very strong, 3 in., ready for 6 in. before potting, \$5.00 per 100.
ASPARAGUS, Plumosus Nanus, 4 in., \$6.00 per 100.
VINCA, Minor, 3 colors, 2 in., \$2.00 per 100.
 Per 100
GERANIUMS, Mme. Salleron, 2 in., \$2.50
SINGLE HOLLYHOCKS, fine strain, strong 2.00
COBÆA Scandens, 2 in., \$2.50 per 100.
CENTAUREA Gymnocarpa (Dusty Miller) 2 in. \$2.00.

Cash with order, please.

GEO. J. HUGHES Berlin, N. J.

FINE STOCK

ASPARAGUS
 Deflexus, \$1.50 to \$7.00 per 100
 Sprengeri, \$15.00 per 1000
SMILAX, \$15.00 per 1000
 Sample plants ten cents each
GERANIUMS, Nutt, Perkins, Poitevine, Castellane, Rivard at \$10 per 1000. Rooted cuttings.

ALBERT M. HERR LANCASTER, - PENN.

ASPARAGUS Plumosus and Sprengeri, strong plants, 2 in., \$2.25 per 100.
ENGLISH IVY, 2 and 2 1/2 in. pots, strong \$2.00, B. C., 75c. per 100.
GERANIUMS, double red, \$1.75 per 100.
ARAUCARIAS, 20 in., four tiers, \$1.00.
CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

J. H. DANN & SON, Westfield, N. Y.

STOCK YOU NEED—Fuchsias, Little Boon, 1000 plants, in 2 1/2 in. pots, ready for sale, \$3.00 per 100. Feverfew, double white, large plants, 2 1/2 in., \$2.00 per 100. Lobelia, 2 1/2 in., \$1.00 per 100. Double chrysanthemums, 2 1/2 in., \$1.00 per 100.

S. A. PINKSTON 20-22 Philip St., Utica, N. Y.

SURPLUS

Asparagus Plumosus Nanus

Fine plants for planting out. These have been growing on benches one year for sprays, and are in splendid shape for transplanting; about equal to 5 or 6 in. pot plants. Price, \$60.00 per 1000.

FRANK McMAHON, Rumson, N. J.

A FEW GOOD THINGS YOU WANT

Cash with order
Asparagus Plumosus, 2 in., \$4.00 per 100, 3 in., \$5.00 per 100.
Asparagus Sprengeri, 2 in., \$2.50 per 100, 3 in., \$3.00 per 100.
ASPARAGUS SPRENGERI SEEDLINGS, \$0.00 per 100.
Diarcena indivisa, 2 in., \$4.00 per 100, 3 in., \$5.00 per 100.
ILRNS, Scotti, 3 in., 30c. each.
GERANIUMS, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., \$1.25 per 100, Pol plants, 2 in., \$2.00, 3 in., \$4.00 per 100.
Tiego, Castellane, Vrand, Jaulin, Poitevine, R. C., \$1.50 per 100. Pol plant, 2 in., \$2.50, 3 in., \$5.00 per 100. Mme. Salleron, 2 in., \$2.00 per 100.
VINCA VAR., 2 in., \$2.00 per 100.
 Cash with order, or C. O. D. All shipment at the risk of purchaser after being delivered to Express. To be properly packed in good order.
GLADIOLUS BULBS, mostly light colors, \$1.00 per 100.
REX BEGONIAS, 2 in., \$5.00 per 100.
COLLUS (CIGAR PLANT, VERBENA; HELIOTROPE; SCARLET SAGE, Bonfire), 2 in., \$2.00 per 100.
GEO. M. EMMANS, NEWTON, N. J.

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

Now is the time to place your orders for BEGONIA GLOIRE DE LORRAINE, CYCLAMEN and POINSETTIAS

I am well equipped to supply the above in any quantity at the following prices:
BEGONIA GLOIRE DE LORRAINE, 2 1/2 in. pots (leaf cuttings), \$15.00 per 100, \$140.00 per 1000.
CYCLAMEN, 2 1/2 in., \$5.00, 3 in., \$7.00, 4 in., \$15.00; 5 in., \$20.00.
POINSETTIAS, 2 1/2 in., \$5.00 per 100; \$45.00 per 1000.
 Satisfaction guaranteed.

S. S. SKIDELSKY

1741 No. 18th St., PHILADELPHIA

500,000 ASTER PLANTS

Queen of the Market, Victoria, Giant Comet, Ostrich Feather, late branching, large, strong, stocky plants, ready to plant out, at \$2.50 per 1000, in 5000 pots, \$2.00 per 1000. Seed saved from the best and most double flowers only. (Late branching in separate colors.)

GUSTAV PITZONKA, Bristol, Pa.

PANSIES

THE JENNINGS STRAIN
 Plants in bud and bloom, \$1.00 per 100; small plants, \$1.00 per 1000 by express.
 Cash with order.

E. B. JENNINGS, SOUTHPORT, CONN.
 Lock Box 254
Grower of the Finest Pansies

ASPARAGUS, BOSTONS

Plumosus Nanus, 2 1/2 in., \$1.50 per 100, \$10.00 per 1000, 3 in., 75c., 3 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c.
Comorensis, 2 1/2 in., 4c.; 3 1/2 in., 10c.; Sprengeri, 2 1/2 in., 4c.; 3 in., 8c.; 4 in., 10c.
Bostons, 2 1/2 in., 4c.; 3 in., 8c.

Phones: Bell, Forest 1450, Kinloch, Belmont 474 E. Greenhouses at Clayton, Mo.

J. W. DUNFORD
 Kings Highway and Page Bldg., St. Louis, Mo.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

STORE OPEN
7.30 A. M. to 8 P. M.

1608 to 1620 Ludlow Street

JUNE SPECIALTIES

VALLEY, FANCY, \$4.00 per 100
" No. 1 \$3.00 " "

PEONIES

Festiva Maxima, \$10.00 per 100
Mixed Colors, \$5.00 to \$6.00 per 100

THE LEO NIESSEN CO.

WHOLESALE FLORISTS

1209 Arch Street

Philadelphia, Pa.

JUNE Commencements Weddings

Select Valley Cattleyas
Fine Beauties
Excellent Peonies
and Carnations

Wholesale Prices of Cut Flowers—Per 100

Boston June 2, 1908	Buffalo June 1, 1908	Detroit May 31, 1908	Cincinnati May 30, 1908	Baltimore May 18, 1908	NAMES AND VARIETIES	Milwaukee May 25, 1908	Philadelphia June 2, 1908	Pittsburg June 1, 1908	St. Louis June 1, 1908
10.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 30.00	to 30.00	A. BEAUTY, fancy-special	to 25.00	15.00 to 25.00	to 20.00	20.00 to 25.00
6.00 to 10.00	15.00 to 20.00	18.00 to 20.00	to 20.00	to 20.00	" extra	12.00 to 15.00	10.00 to 20.00	10.00 to 15.00	12.50 to 15.00
2.00 to 6.00	8.00 to 12.00	10.00 to 15.00	to 10.00	to 10.00	" No. 1	6.00 to 8.00	6.00 to 15.00	6.00 to 8.00	6.00 to 10.00
1.00 to 2.00	3.00 to 5.00	3.00 to 5.00	to 8.00	to 8.00	" Gulls and ordinary	2.00 to 4.00	3.00 to 10.00	2.00 to 3.00	3.00 to 8.00
4.00 to 6.00	6.00 to 8.00	6.00 to 8.00	to 5.00	to 5.00	BRIDE, 'MAID, fancy-special	to 6.00	6.00 to 10.00	to 6.00	5.00 to 6.00
2.00 to 4.00	5.00 to 6.00	4.00 to 6.00	to 4.00	to 4.00	" extra	to 4.00	4.00 to 6.00	to 5.00	3.00 to 4.00
1.90 to 2.00	4.00 to 5.00	3.00 to 4.00	to 4.00	to 4.00	" No. 1	to 3.00	2.00 to 5.00	to 3.00	1.00 to 2.00
to 3.00	to 4.00	to 3.00	to 1.00	to 2.00	" No. 2	to 2.00	2.00 to 4.00	to 2.00	to 2.00
to 5.00	to 7.00	to 8.00	to 2.00	to 4.00	GOLDEN GATE	to 4.00	to 6.00	to 4.00	to 4.00
1.00 to 8.00	4.00 to 7.00	4.00 to 8.00	to 2.00	to 6.00	K. A. VICTORIA	to 4.00	to 6.00	to 2.00	to 8.00
1.00 to 8.00	6.00 to 8.00	3.00 to 8.00	to 4.00	to 6.00	LIBERTY	to 4.00	to 6.00	to 10.00	to 8.00
to 5.00	to 7.00	to 8.00	to 4.00	to 6.00	PERLE	to 2.00	to 4.00	to 2.00	to 6.00
50 to 1.00	1.50 to 2.00	to 3.00	to 1.00	to 1.00	ORCHIDS—Cattleyas	to 35.00	to 50.00	to 50.00	to 50.00
1.50 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	inferior grades, all colors	1.00 to 1.50	.75 to 1.00	.75 to 1.00	to 1.50
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	Standard	1.00 to 1.50	1.00 to 3.00	to 1.50	to 1.50
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	Varieties	1.00 to 1.50	1.00 to 3.00	to 1.50	to 1.50
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	White	1.00 to 1.50	1.00 to 3.00	to 1.50	to 1.50
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	Red	1.00 to 1.50	1.00 to 3.00	to 1.50	to 1.50
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	Yellow and var.	1.00 to 1.50	1.00 to 3.00	to 1.50	to 1.50
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	White	2.00 to 3.00	2.00 to 3.00	to 2.00	to 3.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	Fancy	2.00 to 3.00	2.00 to 3.00	to 2.00	to 3.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	Varieties	2.00 to 3.00	2.00 to 3.00	to 2.00	to 3.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	Red	2.00 to 3.00	2.00 to 3.00	to 2.00	to 3.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	Yellow and var.	2.00 to 3.00	2.00 to 3.00	to 2.00	to 3.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	Novelties	to 2.00	to 3.00	to 2.00	to 3.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	ADIANTUM	to 1.00	to 1.50	to 1.25	to 1.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	ASPARAGUS, Plum. and Tea	20.00 to 30.00	35.00 to 50.00	30.00 to 50.00	25.00 to 40.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	Spargerl. bunches.	20.00 to 30.00	35.00 to 50.00	30.00 to 50.00	25.00 to 40.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	CALLAS	8.00 to 10.00	8.00 to 15.00	6.00 to 8.00	to 8.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	CHRYSANTHEMUMS	to 4.00	to 5.00	to 5.00	to 5.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	DAISIES	to 4.00	to 5.00	to 5.00	to 5.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	GLADIOLUS	to 8.00	to 10.00	to 10.00	to 10.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	LILIES	8.00 to 10.00	8.00 to 15.00	8.00 to 12.00	to 12.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	LILY OF THE VALLEY	to 2.00	to 4.00	to 4.00	to 3.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	MIGNONETTE	to 3.00	to 4.00	to 3.00	to 3.00
1.00 to 2.00	1.50 to 2.00	2.00 to 3.00	to 1.00	to 2.50	SMILAX	to 15.00	12.50 to 20.00	15.00 to 18.00	to 12.60
3.00 to 4.00	3.00 to 5.00	4.00 to 8.00	3.00 to 4.00	to 4.00	PEONIES	to 3.00	to 8.00	2.00 to 6.00	to 6.00

struck the trade, for on Sunday afternoon might be seen Messrs. Evans, Edgar, Thurston, Forbes, Macklin and others.

Welch Brothers did an extensive Memorial Day trade, keeping several extra men and a special American express team bustling, besides all their regular force.

E. A. Wood is again one of the first to bring in peonies to the market.

McMullin had the decorations for the Kenny-Bottomley wedding at the Cathedral on Tuesday. This was one of the most elaborate decorations of the season, and when the name of McMullin is connected with it harmony of arrangement and artistic effects are there also.

Henry M. Robinson & Company had a large Memorial Day trade, their sales of hardy ferns, etc., as well as cut flowers, far exceeding those of last year.

J. W. DUNCAN.

Newport, R. I.

Horticultural Society Meeting.

At the regular meeting of the Newport Horticultural Society, held Tuesday evening, May 26, President John T. Allan in the chair, the business was mostly of a routine character. The president named the following as the committee on awards for the two exhibitions to be held this year: Messrs. Bruce Butterton, Paul Volquardsen and John Bannagartner, all members of the society. The executive committee endorsed this nomination. All are tried men and are expected to give satisfaction.

Ex-Secretary David McIntosh, now of Tuxedo Park, was present and entertained the members with a glowing description of the famous roads, mountains, glens and lakes of the park, giving a good general description of the vegetation abounding there, and making special mention of the native ferns and orchids. This informal talk and the pleasure of meeting an old friend made the evening one of the pleasantest which the members have spent together for some time.

It is reported that there is to be keen competition in the class for collection of vegetables, the prize being a silver cup offered by the Henry A. Dreer, Inc., of Philadelphia. This prize must be won three times (not necessarily successively). It was won last year by Samuel Spoons, gardener for Mrs. W. B. Green.

Hitchings & Company, New York, have secured the contract to erect a small range of modern greenhouses at the J. R. Drexel estate at Oehre Point. The range includes some four houses in all; a palm house, an orchid house, a carnation house, a house for bedding plants and a potting shed. This is the estate over which President Allan of the Horticultural Society is in charge, and has been noted in the past for stove plants, gardenias and gladiolus.

The florists had an unusually heavy demand for cut flowers and pot plants for Memorial Day. A call at their places of business revealed the fact that nothing in the way of a pot plant or flowers was left over. In cut flowers roses and carnations sold well.

The custom established last year by the Relief Corps of the G. A. R., of strewing the waters of the harbor in honor of the dead, was again heartily taken hold of by that organization, many flowers being used in this way. There was plenty of hardy material available for decoration, this year the lilacs and lily of the valley being just at their best.

A. MacL.

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Boston.

News Notes.
The rhododendrons in this locality are exceedingly fine this season. The show of the Massachusetts Horticultural Society has just happened at the right time for these flowers being at their best. The peony show will likely be held next week with the rose and strawberry exhibition a week later.

The garden committee of the Massachusetts Horticultural Society visited the garden of James McKissick, West Newton, on Friday, and were much pleased with the fine varieties of peony Mothan they saw. They will again visit this garden when the herbaceous peonies are in bloom. This committee also expects to visit the peony establishment of E. J. Shaylor at Wellesley Hills on June 11.

It has been decided to keep the library of the Massachusetts Horticultural Society open on all Sundays throughout the year when there is an exhibition at the hall, and if the attendance warrants, it will be opened every Sunday afternoon, as was done last year.

The Waban Rose Conservatories have completed the addition to their American Beauty house and are now busy planting the same. They had a fine lot of Richmond and Killarney for the Memorial Day trade.

W. D. Howard of Milford is sending to the market some excellent colored carnations, which are being handled by his salesman, Wm. Aylward.

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Chicago. The Week's News. The month of May was quite a busy one in retail circles, despite the weather, which was record-breaking in point of rain and cloudiness. A demand for bedding stock opened early in the month, and by the middle of it had assumed large proportions; in fact, many florists claim that the general demand has been heavier than ever before. An excellent business has been done in window boxes, the call for same being considerably greater than that for the same period last year. Funeral work was not nearly so heavy as it was during the preceding months of the year, but was, nevertheless, satisfactory in volume. A. I. Simmons, florist, West Sixty-third street, who was a week or two since transferred to his home from the sanatorium, where he has been under treatment for some time, is again an inmate of the institution and his condition is such that he is not expected to be able to leave for several months. Harry Balsley of Detroit is in town over Memorial Day, looking after the demand for pots. H. Hilners, of the Kenwood Floral Company, East Forty-seventh street, has been using some well-flowered pelargoniums in his window displays, and he says they have sold well. He has also shown some unusually fine hydrangeas, and had no trouble in disposing of them. Mr. Hilners is in receipt of very satisfactory advice concerning his daughter, who is studying music in Berlin under royal patronage. Not long ago the young lady was the winner of a grand piano in a musical competition. The E. F. Winterston Company is receiving regularly pink and white water lilies. George Reinberg is cutting from an excellent crop of Cattleya Mossiae, the

CHAS. W. MCKELLAR ORCHIDS FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS 51 Wabash Ave., Chicago

A. L. RANDALL CO. Western Headquarters for Up-to-Date Florists' Supplies Write for Catalogue Nos. 19-21 RANDOLPH ST., CHICAGO

June demand for which is very promising. Considerable interest is being shown in the project for a picnic to be given by the Chicago Florists' Club, and a report from the committee having the matter in charge is looked for at the club's meeting on Thursday of this week. A. F. Longren of Des Plaines says that a splendid stock of the new carnation Lucille, originated by Fritz Bahr of Highland Park, is in the field. Mr. Longren, who is to disseminate it, has already booked several good orders for cuttings from growers who have seen this carnation. J. H. PEPPER.

New York. News of the Week. The New York Florists' Club will hold its June meeting on Monday next, the 8th inst., in the Grand Opera House building, corner of Twenty-third street and Eighth avenue. An exhibition of peonies is on the program for this evening, and as it will be the last meeting before the Summer vacation, no doubt there will be a good attendance of members. It is unfortunate that the local representative of the youngest of the Chicago trade papers does not confer with Secretary Young before giving out information regarding the doings of the club. It is also unfortunate for the members of the club and that portion of the trade which reads the advance information sent forth by the representative referred to. The idea of stating that roses will be exhibited at the Florists' Club's June meeting, which comes on the eighth day of the month! Whoever heard of indoor-grown roses being fit for an exhibition in June, or of outdoor-grown roses being right for exhibition so early in the month? It may be all right to make ridiculous statements in a news-letter when those statements are of a personal

nature and the object in view is simply to advertise in that way the person mentioned, but when it comes to juggling with the business meetings of a body of men, such as the members of the New York Florists' Club are, it would seem that a little more care and thought ought to be given to what is written, and that the secretary of the club should be conferred with before any statement is made public as to what the club is going to do at its coming meeting.

At the meeting on Monday evening, George V. Nash of the New York Botanical Garden will deliver an illustrated lecture on "Ornamental Shrubs." The Memorial Day trade was a very disappointing one, so far as New York and its vicinity goes. The weather was decidedly unpropitious; it commenced to rain in the forenoon, and, as the day advanced, it rained harder and continued until dark. There was not a possible chance of doing business in any line. Of course, the country people must have felt the influence of the weather more than any other branch of the trade, as this is a sort of harvest day for florists located near cemeteries; and as preparations are made for the handling of a large supply of both cut flowers and plants, it can easily be imagined what the results are when the weather makes it impossible for people to be out of doors.

It would seem to us that some one in charge should see to a better way of decorating the various monuments scattered throughout this city. We noticed that on the Lincoln monument, located at Union Square, a single wreath of hollyhock, about twenty inches in diameter, with a purple ribbon stretched across its center, was the only bit of decoration attempted. On the Lafayette monument in the same locality, which is equestrian, garlands of evergreen roping were wound around the rider and the horse, which gave the statue a most fantastical appearance; but the funniest decoration of all was the one attempted on the statue of Sunset Cox, located at Astor place. This monument is surrounded by a railing, and evergreen roping was suspended from the neck of the honored statesman to the railing at equal distances all around, and, to those unacquainted with this particular monument in its natural state, it presented the appearance of a gigantic Maypole. Surely, New York ought to get up something better than this display of evergreen roping for the decoration of its monuments!

Wm. Elliott & Sons have had one of the most successful seasons in the history of their plant auction business. They will hold their annual trade sale on Tuesday, June 23, at 12 o'clock noon. This annual sale has become of late years a special feature, and many grand bargains will be offered at the forthcoming one.

The annual exhibition of roses, strawberries and hardy flowers of the Tarrytown Horticultural Society will be held on Friday afternoon and evening, June 12, in the Music Hall, Tarrytown, N. Y. Prizes for hardy perennials, strawberries, roses, hardy shrubs, antirrhinums and vegetables are offered. The hall will be opened for the staging of exhibits at 10 o'clock on the morning of the show.

Lawson & Company, 2863 Third avenue, Bronx, have devoted one of their fine new show windows to a display of flowers. The floral department will be under the management of A. M. Reid, who proposes carrying only high-grade stock.

We are glad to report that John Kral of the staff of Moore, Hentz & Nash, wholesale florists, is sufficiently recovered from his operation to be able to attend to business a few hours daily.

The New York Cut Flower Company, commencing Monday, June 1, is closing its subrooms at 3 p. m. each day.

Ed. Behre, rose grower, who recently purchased the Burnett place at Madison, N. J., has just leased the establishment of Robert Schultz, and will run the same in connection with his own.

Louis Goldfarb, who has been laid up with a sprained ankle for several weeks, is able to get around again with the help of a cane.

Rickards Brothers, seedsmen, 37 East Nineteenth street, are sending out a neat folder, drawing attention to their business in general and to strawberry plants in particular.

The retail florists of Brooklyn have become permanently organized, with Robert G. Wilson, president, and J. V. Phillips, secretary.

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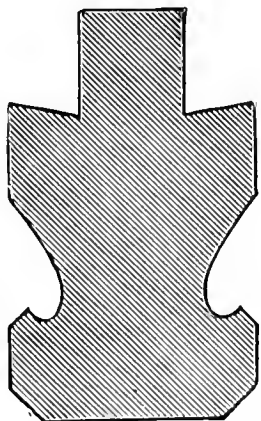
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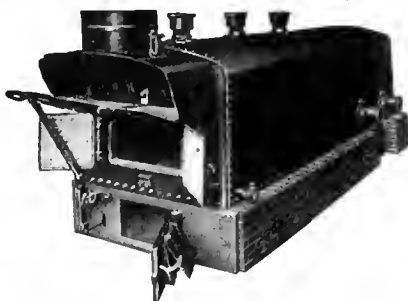
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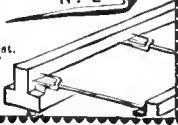
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150 2 1/2 in. pots in crate, \$4	60 8 in. pots in crate, \$4 20	40 9 in. pots in crate, \$3 60	48 10 in. pots in crate, \$4 20
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150 2 1/2 in. pots in crate, \$4	60 8 in. pots in crate, \$4 20	40 9 in. pots in crate, \$3 60	48 10 in. pots in crate, \$4 20
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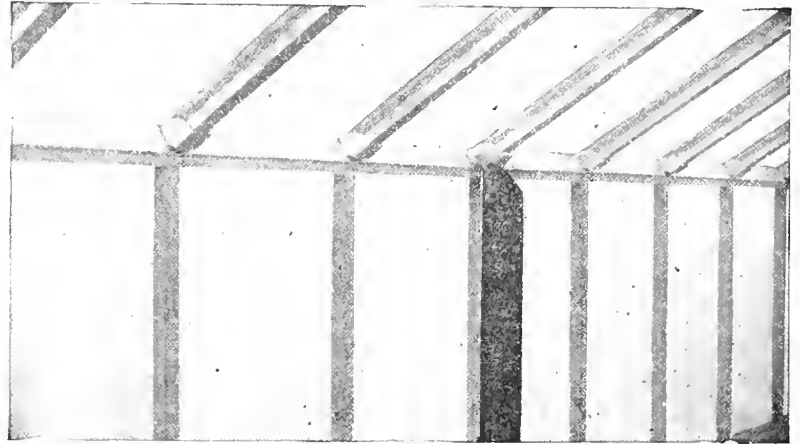
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"Spencer" grates are raised in the center, having same pitch at which coal comes from magazine, giving an even thickness of coal over the grate, causing the fire to burn evenly and the coal to slide from magazine as required.

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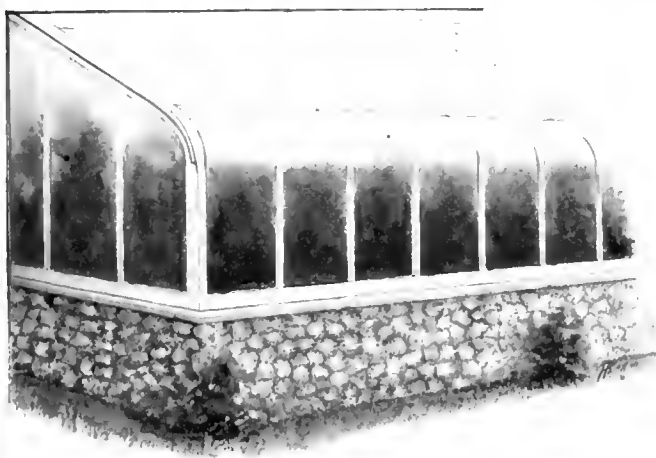
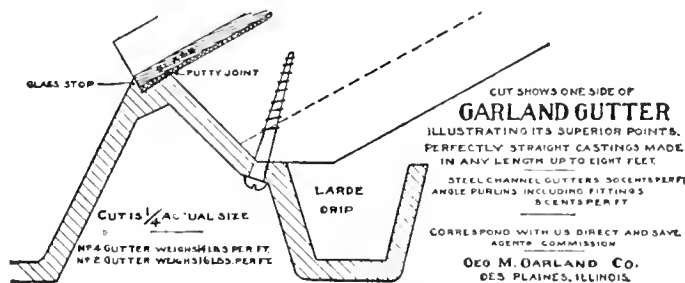
YOU'LL probably remember that last week we told you about the difference in the painting and the amount of paint required for rough and smooth lumber. It isn't alone the savings on the paint, for we believe in putting on lots of good white lead and oil, as it preserves the wood, but it is the saving on repairs that you want to consider. In our file we have a letter from a customer who built a range of houses just a few years ago and we wish you could come to our office and look at it along with several others. This particular letter, though, is a late one and a very interesting one. It tells of a man who built a range of houses in the same town, and at the same time as our customer did, who bought material for less money than our customer paid. It tells how this same man in a short time took out fifty sash bars that had rotted and bought fifty more. Our customer says he hasn't spent a cent for repairs and that the houses are just as good as they were when built.

Why save \$10.00 on the first cost and spend twice the amount for needless repairs? Figure with us the next time.

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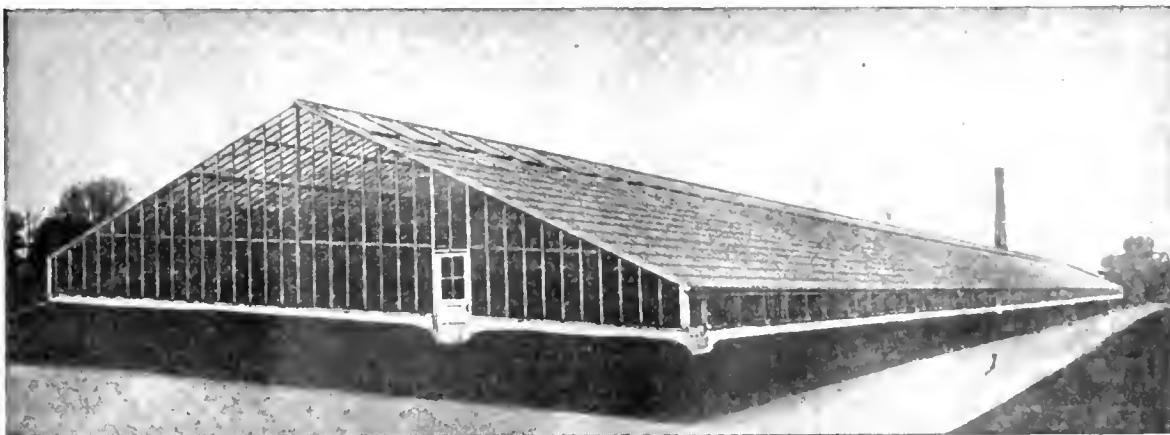


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- 1st. No sash bars encased in iron, thereby eliminating all danger of bars decaying.
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- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

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We make a specialty of Greenhouse stock for Commercial Growers of Flowers and Vegetables. Sash bars 32 feet long and over. Write for circulars and prices.

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Stock, from 2 1/2 in. pots, \$3.00 per 100:
 Asparagus Sprengeri, Alyssum, dwarf; Bouvardia Humboldtii, Feverfew, Little Gem; Heliotrope, blue and white; Gazanias, Lobelia, Emperor William; Cupheas, Fetunias, double varieties, variegated Ice Plants, variegated Glochomas; Salvia, Bonfire and Zurich; Ageratium, Princess Pauline, Blue Perfection, Inimitable; Rosemary, variegated Periwinkle, Moschosma Riparium, Impatiens Sultani and Holstii, Swainsona Alba, white Moonflower, Saxifraga Sarmientosa, Parlor Ivy, white Snapdragon.
 Plants from 3 in. pots, \$4.00 per 100.
 Geraniums, best commercial varieties; Fachsias, in bud and bloom; Moonvine, the true large flowering white variety; Rose and Peppermint Geraniums, Scarlet Sage, Bonfire and Zurich; Swainsona Alba; Heliotrope, dark blue, Gazania; Lemon Verbena; Asparagus plumosus.
 Alternantheras, 4 varieties. Coleus, Golden Bedder, Verschaffeltii, Firebrand and Quatrifloro, 2 1/2 in. pots, \$2.00 per 100.
 Variegated Periwinkle, 4 1/2 in. pots, \$1.50 per doz.; \$10.00 per 100.
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 Forget-me-nots, clumps, Summer-flowering, \$4.00 per 100.
 Scotch Finks, hardy, assorted varieties in bud and bloom, \$5.00 per 100.
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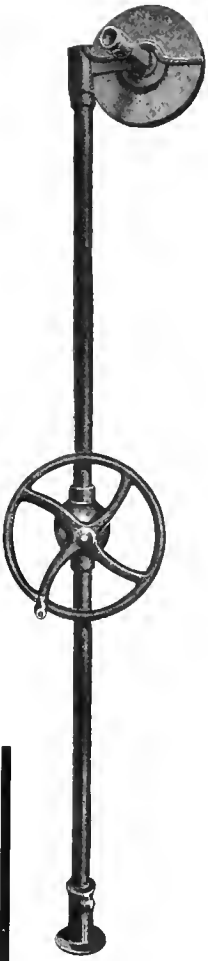
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VOL. XXV. NO. 24

NEW YORK AND CHICAGO, JUNE 13, 1908

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Vincas and English Ivies Extra fine plants in 3 1/2 and 4-in. pots, for vases, tubs, etc. \$8.00 per 100; extra size, \$10.00 per 100.

PANSIES, ENGLISH DAISIES and FORGET-ME-NOTS. \$3.00 per 100. **CROTONS** for bedding. Extra strong plants, 3 1/2-in. pots, \$25.00 per 100; 5-in. pots, \$50.00 per 100.

HYDRANGEA OTAKSA Large Plants in Tubs and Half-Barrels for July and August-flowering. We make a specialty of these, and have a magnificent lot of large plants, which we can supply in any quantity—from single plants up to carload lots. Large plants in tubs, \$2.00 and \$3.00 each. Extra large plants in half-barrels, \$5.00 and \$7.50 each.

ACALYPHA MUSAICA. Extra choice, for bedding. 2 1/2-in. pots, \$6.00 per 100. **PANDANUS VEITCHII.** 5-in. pots, \$9.00 per dozen; 6-in. pots, \$12.00 per dozen; large plants, \$2.00 to \$3.50 each, according to size.

FIGUS ELASTICA. 5-in. pots, \$4.00 per dozen; 6-in. pots, \$6.00 per dozen. **DRACENA FRAGRANS.** Extra large plants, in 6-in. pots, 3 ft. high, \$12.00 per dozen.

FERNS, Assorted. Extra heavy plants, 2 1/4-in. pots, \$3.00 per 100; 3 1/2-in. pots, extra heavy, \$10.00 per 100.

NEPHROLEPIS PIERSONI ELEGANTISSIMA. 2 1/4-in. pots, \$6.00 per 100; 3 1/2-in. pots, \$15.00 per 100; 6-in. pots, \$6.00 per dozen; 8-in. pots, \$12.00 per dozen.

BOXWOOD, Pyramids. Extra fine plants, \$2.00 and \$3.00 each. **CARNATIONS Winsor and White Enchantress.** We can supply these in quantity, ready for immediate planting. Strong established plants from 2 1/4-in. pots, \$7.50 per 100, \$60.00 per 1000.

NASTURTIUMS. 3-in. pots, bushy, \$6.00 per 100.

SALVIA Bonfire. 2 1/2-in. pots, \$4.00 per 100.

AGERATUM. 2 1/2-in. pots, \$3.00 per 100.

COLEUS. Assorted, 2 1/2-in. pots, \$3.00 per 100.

ALYSSUM. 2 1/2-in. pots, \$3.00 per 100.

MOON FLOWERS. 2 1/2-in. pots, \$6.00 per 100.

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of **KILLARNEY, RICHMOND, LIBERTY, BRIDE, BRIDESMAID, BON SILENE, SAFRANA, KAISERIN and CARNOT** These plants are grafted low and union is complete. \$120.00 per 1000.

Extra large own root **Brides** and **Bridesmaids** \$35.00 and \$50.00 per 1000.

Exceptionally large plants of **KAISERIN AUGUSTA VICTORIA** which, if planted now would give immediate returns.

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Lilium Harrisii

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5-7 inch, \$40.00 per 1000

6-7 inch, \$60.00 per 1000

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Our Import List of all Forcing Bulbs and Plants is now ready

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GOOD STANDARD VARIETIES at \$2.00 per 100 and up to NOVELTIES at \$1.00 each, from 2-inch pots. Our collection contains nearly 300 varieties. We will send 1000, 50 each of 20 varieties, our selection for \$18.50. This is a splendid collection to stock up on.

We have a good assortment in 3-inch pots, at \$3.50 per 100.

A CORDIAL INVITATION is extended to all interested in Geraniums to visit us in June, to inspect our new stock houses containing over 60,000 plants, and especially to see our new show house; in it there are over 200 varieties in full bloom, a splendid opportunity to compare the newer introductions with the old standards, and to select stock for next season. We will make very liberal special prices on all orders booked during May and June for December delivery. We are at Coventon, on the B. & O. R. R., and at Chase on the Pennsylvania. We meet all trains.

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From 2-inch pots, at \$2.00 per 100 to \$10.00 per 100. We will send 1000 in 20 varieties, our selection of good sorts in Cactus, Decorative or Show, for \$18.50.

HARDY CHRYSANTHEMUMS

A splendid collection of over 75 kinds, small flowered or button type, \$2.00 per 100, large flowered or Aster type, \$3.00 per 100.

For List of Miscellaneous Stock see issue of May 30th.

CANNAS

CANNAS. Strong plants from 3-inch pots. **JEAN TISSOT.** Brilliant vermilion, with bright orange shading, \$1.00 per doz.; \$8.00 per 100.

PRESIDENT MEYERS. Rich cherry carmine, bronze foliage, \$1.00 per doz.; \$7.00 per 100.

LOUISIANA. Vivid scarlet, flowers often measure 7 inches, \$1.00 per doz.; \$7.00 per 100.

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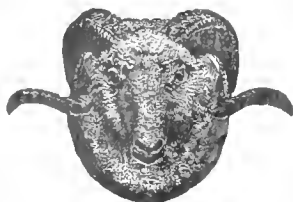
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Free from weed seeds and other deleterious matter and stimulates slow vegetation.
100 lb. \$1.50, ton \$22.50.

RUSTIC Hanging Baskets
10 in. bowl.....Each \$1.10 Dozen \$11.00
12 " " " " 1.25 " 13.00
14 " " " " 1.50 " 16.00

Cane Stakes
4 to 5 feet..... \$5.00 per 1000
6 to 9 feet..... 7.00 "
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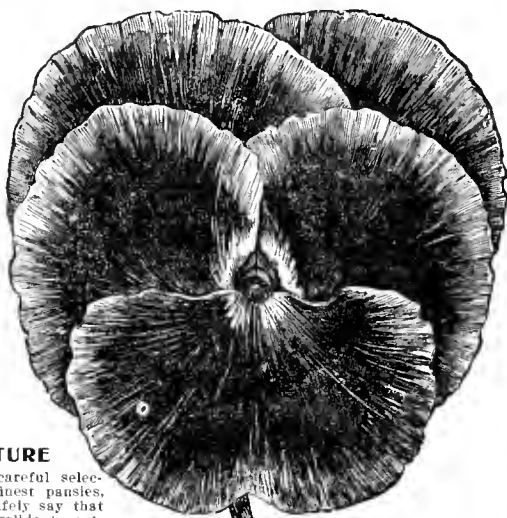
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Famous Strains of Mammoth Mixed Pansies.

S. & W. Co.'s

NON PLUS ULTRA

Our Non Plus Ultra Pansy is a mixture containing the largest, handsomest, most perfect varieties ever sent out. The beautiful coloring and variety of markings give a bed of these pansies a most brilliant appearance. The seed having been saved from the greatest assortment of types, including only the best of Giant Cassiers, Bugnots, Trimardeaux and Giant English, French and German strains. Finest mixed, per trade pkt., 25c.; per 1/4 oz., \$1.50; per oz., \$5.00.



Pansy—World's Best Mixture

WORLD'S BEST MIXTURE

This mixture is the result of careful selection from the very largest and finest pansies of all the varieties; and we can safely say that a better or finer strain it is impossible to get. Per trade pkt., 50c.; per 1000 seeds, \$1.25; per 5000 seeds, \$5.00.

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These are remarkably large Pansies, which, for size of flowers and robust growth, eclipse all other strains. Their range of color has heretofore been limited, but this season we are able to offer several grand new varieties.

Tr. pkt. 1/4 oz. oz.

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S. & W. Co.'s Giant Adonis,	light blue	.25	.75	2.50
S. & W. Co.'s Giant Pure Yellow20	1.25	4.00
S. & W. Co.'s Giant Azure Blue20	.75	2.00
S. & W. Co.'s Giant Emperor William20	.75	2.50
S. & W. Co.'s Giant Fire King20	1.25	4.00

S. & W. Co.'s Giant King of the Blacks20	.75	2.00
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English fine mixed, per lb.			4.50
Pres. Carnot; white, each petal adorned with a deep violet blotch. Per pkt., 25c.; per 1/4 oz., \$1.75; per oz., \$5.00			
Masterpiece (Germania), superb new class of batched pansies with large blooms, mostly undulated or curled, fine rich colors. Per pkt., 50c.; per 1/4 oz., \$2.25; per oz., \$8.00.			

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This is the cream of all pansies and we are not afraid to claim superiority over any other strain. The colors of this strain are superb, the flowers large and the plants robust. There is hardly a pansy alike and for this reason it should prove valuable for either show or commercial purposes.

1/8 ounce, \$1.25; 1 ounce, \$8.00

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PALM SEEDS FOR IMMEDIATE DELIVERY

Livistona rotundifolia, \$2.00 per 100; \$17.50 per 1000.

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Kentia Belmoreana	\$0.50	\$4.50	Phoenix Canariensis	0.50	3.00
	0.50	4.00	Pandanus utilis	0.30	3.00
				1.00	8.00

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PLUMOSUS NANUS, \$2.00 per 1000

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WINTER FLOWERING SWEET PEAS

will be out in June. If you have never grown my sweet peas, send for it. My old customers will get it without asking. New crop seed will be ready in August next.

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Johnson's Famous Prize Winner Strain

Place your order now for new crop seed
1000 seeds, 30c.; 2000 seeds, 50c.; 5000 seeds,
\$1.00; per ounce, \$5.00.

Send for complete Pansy List.

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etc. Durable, strong, 4 feet
long, about 3/8 in. diameter, 50c.
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ASPARAGUS Plumosus Nanus seed,
true, 50c. per 100; \$3.00 per 1000; \$5.00 per
2000.

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**NEW PURE WHITE FREESIA "SNOW-
DRIFT."** Absolutely pure white flowers,
stems, strong, bearing a profusion of large,
milk-white blossoms; early forcing.

Select flowering bulbs, doz., 50c. per 1000
First size bulbs, doz., 1.70 15.00
Mammoth bulbs, doz., 2.00

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This is the finest Freesia ever offered to the
trade and the only one worth growing. The
flower heads are of very large size, of glistening
whiteness, and of thick heavy substance,
making its keeping quality superior to all
others. The stems, always stiff, can be grown
two feet and over, making this magnificent
Freesia one of the finest decorative flowers.
It can be used entirely alone in this respect
or with other long-stemmed flowers.

The greatest care is taken by us to keep
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danger of mixing, by carefully picking off
all seed pods; not allowing one to ripen and
drop its seed in the ground, where it would
surely grow the next season and work disaster,
as it does not come true from seed.

So, beware of buying stock that has been
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Purity here in all its purity.

Send to your orders early, for last year
the orders far exceeded the supply. This year
we hope to fill all orders and offer first and
second-grade bulbs for sale.

Send for Price List. Delivery in early July.
RUDOLPH FISCHER, Santa Anita, Cal.

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For Thanksgiving and Christmas

Boddington's Christmas White, oz. 10c.;
1/2 lb. 40c.; 1 lb. 60c.; 1 lb. \$1.00
Boddington's Christmas Pink, oz. 10c.;
1/2 lb. 40c.; 1 lb. 60c.; 1 lb. \$1.00.
Boddington's Snowbird, the earliest for-
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All the above mailed free.

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Six to eight inch, 400 to case; six to eight inch mudballed, 300 to case.
Case lots at 1000 rates. Prices on application.

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Craig. Lettuce, "Ideal," unequalled for
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HOME GROWN LILiums,
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COLEUS in variety, **GERANIUMS,**
CALADIUMS,
CANNAS in variety, **ACHYRANTHES,**
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H. P. and H. T., 2 in. pots at \$20.00
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CHOICE PANSY SEEDS
A SPECIALTY
Giant Pansy, 1 seedling trade
mixture of the most beautiful and
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Ask for price list and testimonials received from
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Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
George S. Green, Chicago, Ill., presi-
dent; M. H. Duryea, New York, first
vice-president; F. W. Bolgiano, Wash-
ington, D. C., second vice-president; C.
E. Kendel, Cleveland, O., secretary and
treasurer; Leonard H. Vaughan, Chi-
cago, assistant secretary.

NEW YORK.—Lawrence S. Payn,
representative of Andre, Leroy & Cie,
seed growers, Angers, France, sailed for
his annual visit to the United States
from Southampton by S. S. Majestic on
June 10, and hopes to arrive about the
18th in New York. All correspondence
addressed to him, care of Messrs. F. B.
Vandegrift & Company, 15 Whitehall
street, New York City, will receive
prompt attention.

IMPORTS OF SEEDS, ETC.—June 2.
F. B. Vandegrift & Company, 13 bags
flower seed; Smith & Bolzenthal, 16
cases plants; J. Ter Kiele, 20 tubs laurel
trees, six cases plants; J. Roehrs Com-
pany, 90 tubs laurel trees; H. F. Dar-
row, six cases plants; A. Wallret, 46
tubs laurel trees; Hirschbach & Smith,
nine cases plants; M. Mufflos, six cases
plants; Maltus & Ware, 16 cases plants.
June 3.—Michele Battistora, 10 bags
seed; J. Roehrs Company, 12 cases
plants; Maltus & Ware, 10 packages
plants; F. B. Vandegrift & Company,
two cases plants. June 5.—J. P. Roosa,
one box plants.

European Notes.

Summer is with us at last in good
earnest and our growing crops are re-
sponding bravely to Nature's call. Tur-
nips (white-fleshed varieties) have ma-
terially improved during the past two
weeks; this remark applies especially to
the field sorts. Of yellow-fleshed vari-
eties, both for table and field use, the
very limited acreage is not particularly
encouraging; the purple topped kinds are
especially short. Rutabagas are mend-
ing, but as it is far too early to detect
canker, a definite report must be delayed
for a few days. Mangels are doing well,
both in northern France and England;
the limited acreage of Mammoth Long
Red will lead to very high prices next
season if the present demand continues.
Sales are now easily effected at an ad-
vance of fully 15 per cent.

The cold and heavy rains have se-
riously injured the sowings of early
Italian onions for the pickle merchants
and a lot of re-sowing has been neces-
sary; this has cleared off a few stray
lots of yearling seed and left a clear store
for next season's crop. At present the
appearance of the onion crop is quite
satisfactory.

The visit of the President of the
French Republic to London has been co-
incident with the famous Temple show
of the Royal Horticultural Society. The
latter has been fully up to the average
of excellence, and despite the increased
charge for admittance (£2.50) on the
first day, was most uncomfortably over-
crowded. The exhibition was reserved
for Fellows only from 7 a. m. to noon
on the 2d day, and this enabled those in-
terested in practical horticulture to ex-
amine the magnificent exhibits in com-
fort. W. Atlee Burpee, who with Mrs.

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Stokes Standard Seeds.

For Florists and Market Gardeners. Send for Catalogues and Special Prices on your wants in **FLOWER or VEGETABLE SEEDS and BULBS.**

Stokes Seed Store

219 Market Street, PHILADELPHIA

Burpee has returned to London from their French trip in splendid health, was an interested visitor. While nearly all the British seedsmen were among the exhibitors there was very little of "special" interest to the readers of these notes except sweet peas, and as the latter were all grown under glass, and to a certain extent of color, it must suffice for the present to say that there appear to be a few very good novelties on the way.

The letter re scented cyclamen from Messrs. Vilmorin in your issue of May 16th occasions the writer very much surprise, as it is evident that Messrs. V. A. & Company have read into the notes in question an implication and preconception which they were certainly not intended to convey. No one, least of all the present writer, would charge Messrs. V. A. & Company with such grossly dis-

early promise of most crops has not been on the whole fully maintained; but nevertheless, it seems safe to say that general crop conditions are very much better than they were at this time a year ago. When we seriously consider the very excessive moisture during practically the whole period of the small garden plantings, the fact that on the whole so little complaint has been heard this year so far of seeds not germinating is certainly a most satisfactory state of affairs, and speaks most eloquently for the healthy condition of the seed trade generally. As regards the seed crop prospects for 1909 sales, it is as yet very early in the season, and two or three weeks of good growing weather, which there now seems every indication of having, would work wonders with the growing seed crops.

Speaking generally, seed crop conditions do most certainly now point to substantial prices at both wholesale and retail for another year at least. Until such time as we obtain a genuine old-fashioned "bumper" crop of seeds, rates for seeds will average high—seed stocks now on hand are far too low to admit of any other outcome. The yearly consumption of seeds in this country has reached too great a volume to admit of



The New Seed Warehouse of Wood, Stubbs & Co., Louisville, Ky.

honorable conduct. All that the notes in question affirmed is confirmed by their letter; the omission of the word "grandiflorum" was unfortunate but not intentional.

EUROPEAN SEEDS.

Seed Trade Notes.

With better weather the demand for the general line of seeds for late planting has very materially increased. There still continues a most excellent retail counter business; and as regards the wholesale trade of the larger houses, filling-in orders are being received in excellent volume—in fact, for the middle of June, all branches of seed-selling show much more than average activity. Plant sales still continue in fair amount, although it does look as if another week would end anything like large sales in this line. Those seedsmen who have been making this past season especial efforts to handle large lines of both vegetable and flowering plants, report themselves as more than pleased with the trade accomplished.

June is always an anxious month with the seedsmen, as regards crop conditions. He has two causes for anxiety; for not only is he vitally solicitous that the seeds he has been selling during the past six months shall yield satisfactory crops to his customers, but also that the seed crops planted for the coming year's supply of seeds, shall turn out fully adequate to the sure-to-come demand. There can be no question but that the excessive rains of the past six weeks or so have made for irregular crop conditions, and in this account the unusually favorable

any other result from fairly good seed crops; we need some great seed surpluses to put seeds back in selling prices to the average lower levels of the past decade. In a few weeks now quite close estimates can be made regarding the final outcome of the present growing seed crops.

The Saturday half-holidays, which always begin with June, are giving a well-earned rest to both employer and employee. These week-end recreations, together with the annual vacations of two weeks, which also begin this month, will return us all to work with renewed vim for the coming season of bulb-selling, which is now daily shaping itself for sure-to-be large sales.

Louisville, Ky.

Wood, Stubbs & Company have now moved into their new building, 229-231 E. Jefferson street, Louisville, Ky., of which the above is a photograph. The building is especially well constructed for handling the seed business. The floors are extremely strong and the building is equipped with the most modern devices for quick handling and execution of orders. The first floor has a 15-foot ceiling fitted with prism glass in front and wired glass in the rear, which makes it extremely light. Hanging balconies extend around the parts of the store arranged for display of stock and poultry supplies, insecticides, light implements, etc.

Behind the counters, in addition to 400 drawers, there are 150 bins which connect with three-inch pipes to upper reservoir bins, so that the stocks for these bins are all filled on the second



Room Wanted

ROOM WE MUST HAVE to place our importations of ARAUCARIAS, PALMS, BAY TREES, etc. Therefore, our entire stock of bedding plants must go at astonishingly low prices.

Look! Look! Look!

And just think!

SCARLET SAGE, the best variety in the world—the Clara Bedman or Bonfire, 4 in. pots, which used to sell at \$12.00 per 100, now \$5.00 per 100, or \$15.00 per 1000. No less than one hundred of these at this price.

BEGONIA VERNON, dwarf red and Erfordii, 4 in., 6c.; 3 in., dark dwarf Vernon, 4c.

COBAEA SCANDENS, we have about 1000 nicely staked up, 4 in. pots, about 2 feet high, to close out, 5c. each.

CANNAS, best bedding varieties, red, yellow and pink by name, large, 4 in., \$6.00 per 100.

FUCHSIAS, 4 in., big stock, 6c.

Pure white **MOON VINES**, for which we have a world-wide reputation. 4 in., 12c.; 2½ in., 5c.

Plants, 2½ to 3 in. pots, at only 2c.

Heliotropes, Phlox Drummondii, Lobelia, blue, Dwarf and Trailing; Tradescantia, Verbenas, Petunias, Giant and Inimitable; Sweet Alyssum, Little Gem, Summer Chrysanthemums, Nasturtiums, Cosmos, 3 plants in a 3 in. pot; Dusty Miller, Pyrethrum, white flowering; Kenilworth Ivy, Tagetes or Marigold, Hibiscus and Gold King, Ageratum, 3 in.; Fuchsias, Forema Fourneri, Dianthus, Chinese and Japanese Pinks.

BOSTON, SCOTTII and **WHITMANI FERNS**, 4 in., 20c. to 25c. each. **WHITMANI FERNS**, 4 in., 25c.

CLEMATIS JACKMANNI, the true variety, from Europe, 6 in. pots, 3 feet high, 35c. to 50c. each.

ARAUCARIA ROBUSTA COMPACTA, new importations, 6 in. pots, 3 tiers, \$1.25 to \$1.50. **Araucaria Excelsa Glauca**, new importations, 6 in., 3 tiers, \$1.00 to \$1.25.

ARAUCARIA EXCELSA OLAUCA, for the lawn or porch, last Spring (1907) importation. Only specimen plants can be offered of the beautiful type, 6-7 in. pots, 25-30-35-40 in. high, same in width, 6 year old, 5 tiers, \$1.75, \$2.00, \$2.50 to \$3.00 each.

Have just received per Steamer Zealand (Mg 1) from Antwerp about 5000 **Araucaria Excelsa** of all sizes. Plants, 3 tiers, 8-10-12 in., 40c.; 12 to 14 in., 50c.; above, 60c. to 75c.

KENTIA BELMOREANA, 4 in., 20 in. high, 35c.; 3 in., 20 to 25 in. high, 50c.; 3½ in. pots, 60c. to 75c.

KENTIA FORSTERIANA, 7 in. pots, 40 to 50 inches high, \$2.50 to \$3.00 each. 6 in. pots, 30 inches high, \$1.50; 6 in. pots, 25 inches high, \$1.00; 6 in. pot, 20 inches high, 75c.; 5 in. to 5½ in. pots, 50c. each.

DRACENA BRUANTI, 6 in., 35c.

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3000 Appleton, 500 each Timothy Eaton, Yellow Eaton, Monrovia, W. Duckham, Cheltoni, Pacific, Nellie Pickett, 1000 Mrs. W. Duckham, 500 F. A. Cobboldt, 500 Garza, ready for planting, from 2½-in. pots, \$3.00 per 100; \$20.00 per 1000. Many other kinds in smaller quantity.

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Chrysanthemums

Fine plants from 2½ in. pots. While they last, at \$2.00 per 100. Order quick.

WHITE	PINK
500 Opah	200 Pacific
1500 Polly Rose	275 Pink Ivory
500 Touseit	250 Liger
200 Beatrice May	600 Wm. Duckham
700 Merry Xmas.	126 Helen Frick
	YELLOW
700 Bonnaffon	200 Golden Wedding
500 Appleton	100 Golden Beauty

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Best commercial varieties, \$2.50 per 100; \$20.00 per 1000.
STAR PETUNIA, short frame-grown, full bloom, \$4.00 per 100.
VERBENA, 3½ in., branched, frame-grown, \$4.00 per 100.
BEGONIA Vernon, 3½ in., in bloom, \$5.00 per 100.
ASTERS, white, Queen of the Market, 50c. per 100. Cash, please.
HENRY EICHHOLZ, Waynesboro, Pa.

floor. The upper reservoir bins hold from five to ten bushels apiece. A great saving in time and labor will be effected in the filling and storing of different seeds. The building is well equipped with electric elevators for freight and seeds with the most modern seed cleaning machinery, and will be equipped with automatic weighing machines, bag filling machines, etc., for quick handling of orders.

The front is very imposing, being constructed with glazed brick, white and terra cotta, with an electric clock mounted in the pediment, for the benefit of the truck gardeners and farmers on the market opposite.

CHRYSANTHEMUMS

Good Rooted Cuttings and plants from soil now ready.

WHITE—Estelle, Polly Rose, A. Byron, Ivory, T. Eaton, Geo. S. Kolb, Mrs. Robinson, Opah, **YELLOW**—Robert Halliday, Col. D. Appleton, **PINK**—Mrs. Joba Whildin, Major Bonnaffon, **PINK**—Glory of the Pacific, P. Ivory, Dr. Enguehard, Minnie Bailey.

\$1.25 per 100; \$10.00 per 1000. Cash or C. O. D.

D. H. GREEN, West Grove, Pa.

WANTED CHRYSANTHEMUM PLANTS

500 October Frost, 500 G. S. Kolb, 1000 Eureka, 500 W. H. Chedwick, 300 Timothy Eaton, 1000 Glory of the Pacific, 2000 W. H. Duckham, 1000 A. J. Balfour, 500 Maud Dean, 1000 Monrovia, 1000 Mrs. Duckham, 500 Yellow Eaton, 500 Jerome Jones, 500 Cullingfordii, 1500 Matchless.

A. L. HOSTER, Rye, N. Y.

CHRYSANTHEMUMS

From 2½ in. pots, \$22.00 per 1000; extra good stock: 1000 Pacific, 2000 Holliday, 1400 Touseit, 5400 Appleton, 2200 Robinson.

H. D. DARLINGTON, Flushing, L. I., N. Y.

20,000 CHRYSANTHEMUMS Rooted Cuttings Now Ready.

WHITE—Timothy Eaton, Mrs. Geo. S. Kolb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touseit, Jeannie Nolin. **PINK**—Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosler. **YELLOW**—Major Bonnaffon, Cremo, Robt. Halliday, "Baby," small yellow. \$2.00 per 100; \$15.00 per 1000. Cash with order.

WM. SWAYNE, P. O. Box 226, Kennett Sq., Pa

NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSEYRIMEN,

J. W. Hill, Des Moines, Ia., president; C. M. Hobbs, Bridgeport, Ind., vice-president; George C. Seager, Rochester, N. Y., secretary; C. L. Yates, Rochester, N. Y., treasurer.

Horticultural Notes

Ligustrum lucidum is a handsomer evergreen privet than the *L. japonicum*, beautiful though the latter is. In the mild Winter of 1907-8 it passed through the cold with no injury at all in sheltered positions. It is supposed to be less hardy than *L. japonicum*. The latter is hardy at Philadelphia, and it is hoped *lucidum* will also prove so.

The weeping Douglas Fir, *Pseudotsuga Douglasii pendula*, will be in demand as soon as growing specimens make its worth evident. It is a form of the hardy one, the Colorado variety, so it can take its place with our hardy evergreens with entire safety. European firms, such as Barbiers, are offering it; and specimens already here attest its worth.

Abies arizonica, the cork fir of Arizona, is a handsome evergreen at all times. In early Spring its young growth is almost of the color of the famous blue spruce. As with other cork barked trees, its corkiness does not commence until some years have passed. When it does come it is of silvery whiteness and is "real corky," attesting the appropriateness of its name, Silver Cork Fir. Although from Arizona, it is from the mountains, and is quite hardy in all the Middle States.

One of the handsomest of all azaleas is the flame-colored one, *A. calendulacea*. An old botanist describes a mass of them he saw in flower in North Carolina as looking like "a woods on fire." The flowers are large, and the bush robust growing. They vary in color, some being yellow, others varying to the flame, which seems the normal color. There is no more handsome azalea among all the kinds known.

Paul's Carmine Pillar rose is of striking beauty, and when large plants are in flower their display is dazzling. The flowers are single, of a deep carmine color; and it is a rose ranking among our hardiest. What a treasure such a rose would be were it everblooming!

Deutzia Lemoinei has not found the favor with florists it was thought it would. It is a good shrub, being a larger grower than *gracilis*, and flowering at the same time, but for florists' use *gracilis* still holds first place.

But *Philadelphus Lemoinei* is a grand addition to sweet-scented mock oranges. Its growth is far less robust than *P. coronarius*, the old sweet mock orange, so that when in flower their weight causes the branches to droop slightly and gracefully. The odor of its flowers is most delightful. Some describe it as lemon-scented, others, strawberry-scented. Its perfume is not so heavy as any of the old style mock oranges, and as sweet perfume is pleasing to everyone, this *Philadelphus* will become very popular.

Nurserymen are pushing *Pterostyrax hispidum*, and well they may do, for it is one of the handsomest of little known small trees. Its leaves are large and handsome, and in early June it is always a picture with its innumerable racemes of white flowers. The racemes are about a foot in length, and are formed like an inverted candelabrum. After a while, when the small trees now being sold flower, many will regret their not having planted one years before.

Viburnum Lantana is a very early blooming shrub. Its flowers are white, in flat heads, appearing in the first days of Spring. If the flowers were all its attraction it might be no better than some other shrubs, but berries follow which ripen quickly, and their red color adds much to the attraction of the bush. Besides its hardiness, its well doing everywhere and its beautiful foliage, the *Rosa rugosa* is the first of all roses to flower in Spring, or at least it is in a collection here where numerous sorts are grown. And then what a display its large seedpods make with their bright red color in the late Summer! There are many hybrids of it, but florists and nurserymen say the call is for the old typical forms, the red and the white-flowered first of all.

Kalmia latifolia is such a handsome hardy evergreen that it is a pity to see it so often planted in situations unfitted for it. Those who have seen it in its wild state will say it grows in loam and decayed leaves, in well-drained, but damp soil, and in shady places. If ever in open exposures it is because of the clearing away of trees or shrubs that have been around it. Its flowers come soon after cultivated rhododendrons and azaleas are over, when they are greatly appreciated. Although shade is natural to them, if suited in all other respects, they will grow in an open position.

The Double-Flowered Spiraea Reevesii Among the many useful and beautiful spiraeas of Spring is one of the oldest of our cultivated sorts, and which in the rush after newer ones is being overlooked, the *Spiraea Reevesii* double. There is no gainsaying that, one thing with another, *Spiraea*

Van Houttei is hard to equal, but in some respects *Reevesii* double is better. It is superior in the lasting quality of its flowers. The single flowered *Reevesii*, the *Van Houttei* and, in fact, all the early blooming species are out of flower before the double *Reevesii*; and as to its beauty, everyone knows how lovely it is when in full expansion of flower. The present season is an early one with us; lots of rain followed by heat brought along flowers at a rapid rate, so that by the 28th of May all the spiraeas named were out of flower, excepting the one to which these notes particularly refer, *S. Reevesii* double. It is still in good condition; and how lovely are its sprays of pure white double flowers!

It certainly should be more grown and given more prominence by nurserymen, attention being called to it in their catalogues. The *Spiraea Reevesii* is now properly called *cantonensis*, but nursery lists still keep up its old name, the one the nurserymen all grow up to call it.

Plants of all sorts bearing their natural single flowers are esteemed the most by a large number of folk, but double flowers are always the most lasting, and often the most beautiful. There are the two crabs, for instance, *Pyrus coronarius*, with its single flowers, and *P. toensis*, Bechtel's double flowered, and how much the latter is superior to the *coronarius*! This Bechtel's crab is a natural product, too, as much as the single one, and so are many other double flowered trees, shrubs and flowers.

central vase. It is in one of our large parks, where space is no way limited, hence the bed is 40 feet or so in diameter, making a great display when the plants were at their best. The center of the bed contains assorted cannas, which, with their large foliage and tall flowers, make a good center. Next to these come a thick planting of scarlet sage, and all who are familiar with bedding know how effective scarlet sage is when it has the large green leaves of the canna behind it, and this bed when in its prime certainly proved the wisdom of the planting. The third, and what might be called the outside row, was the well known blue ageratum. It seems hard to find a good blue-flowering plant to take its place with our bedding. The ageratum seems the best obtainable, but no one can say it is as good as could be desired. There was an edging of pansies to this bed, and because of the late, cool Spring the plants were in good condition even as late as when cannas were blooming, but when the bed was planted it was the thought that they would be out of flower and overlapped by the ageratum by the time Summer set in.

This bed is in Fairmount Park, Philadelphia, and just beyond it stretches the famous sunken garden. A bed of similar character to this one is on the other side of the sunken garden, a flight of steps leading down from each bed across the sunken garden and rising on the opposite side.

The two large trees are of the avenue of European planes, which line the garden, an avenue now the best



Bed of Cannas, Scarlet Sage and Ageratum.

Mulching Between the Rows

Mulching between the rows of small plants has been so often spoken of and its benefits so often verified, that its advantages are believed in now by everyone. Young evergreens, roses and similar plants the roots of which are but a few inches under ground, are immensely benefited by being mulched, the mulch creating all the needs of the plants to make good growth. There is coolness, moisture and an open surface of soil all Summer long, and all brought about without the use of a cultivator or a hoe. With many surface rooting plants a mulch is far superior to a hoeing, as the latter process injures many roots. In some European countries many small fruits, such as the raspberry, are grown without disturbing the soil at all, a heavy mulching of hay, straw, lawn mowings or leaves taking its place, and how the fruits thrive under the treatment!

As is well understood, such evergreens as the rhododendron and the *kalmia* have small roots formed near the surface of the ground, and to these mulching is particularly agreeable, both in Summer and in Winter.

With most trees and shrubs roots go down tolerably deep in time, where they find what moisture they require, hence mulching is not of as much advantage to them as it is to those the roots of which are near the surface. It is the surface rooters and the small plants of evergreens and other stock that mulching is advocated for; and the best time to apply the mulch is as soon as the Spring's planting is finished.

Bed of Cannas, Scarlet Sage and Blue Ageratum

Our illustration represents a large, round bed of plants made into four beds by the grass walks which run through it to the

of its kind in the State, the trees being exceedingly good and of uniform growth.

JOSEPH MEEHAN.

Registration of New Dahlias.

The New England Dahlia Society will hereafter recognize only new varieties which have been duly registered with its secretary. No charges will be made for registration and it is desired that a thorough description may accompany all such requests for registry. The society reserves the right to reject any name so offered, especially if any should be found to be already existing, even when applied to a different type. It is our aim to endorse only those new introductions, which give evidence of superior merit. The *Dahlia News*.

It seems to us that this segregation of endeavor along the line of registration of new plants is to result in more harm than good. Concentration of effort is what is desired; and we hope the day is not far distant when our suggestion that the Bureau of Plant Industry at Washington, D. C., take charge of all plant registration matters in the United States, shall become an established fact. Operating in harmony with that Bureau, the various special societies and the S. A. F. O. H., itself could render valuable service, to the end that the registration of new plants in this country be put on a workable and reliable basis, so that the lists to be published shall become, in very fact, an index of the progress of horticultural development in America, and a safeguard and guide to all who buy and sell plants.

In the meantime, we hope that lists of the new plants registered by the various special organizations will be furnished the secretary of the S. A. F. O. H. for inclusion in the annual report of our principal national society. This for convenient and handy reference.

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New York. News of the Week.

We are having a taste of real Summer weather at last. It is warm enough for anybody just now, and too warm for many of the flowers that are sent to the market.
The outing of the New York Florists' Club, which comes off on Wednesday, July 1, promises to be quite a successful event and as well patronized as any of its predecessors. The committee is going to try and have all the races run on the grass at the Grove, where there will be room for every competitor in each race to run at the same time. This is an innovation that will meet with the approval of all and will save a lot of time.
The members of the Bowling Club are working hard every Friday night, but it does not seem up to the present time that Mr. Traendly will have to pay the expense of many of them to the Convention in August. So far, J. A. Mauda is the only one who has averaged 155; consequently, it looks now as if Mr. Traendly will have only one ticket to buy for the New York bowlers.
The New York and New Jersey Plant Growers' Association will hold their first annual excursion on Thursday, June 25, at Staten Island.
The many friends of James Shanley, the well-known Brooklyn florist, will be grieved to hear of his unexpected death. A more extended notice will be found in our ordinary columns.
George Linsdale, who for many years has conducted a florist store at Thirty-fourth street and Lexington avenue, died on Sunday last at the age of forty-three years. He leaves a wife and two children. We understand that the business will be continued by the family.
John Wolmers, florist at Twenty-fifth street, Brooklyn, is, we are sorry to say, confined to his home through sickness.
The annual June exhibition of roses and strawberries of the Tarrytown Horticultural Society was held in the Music Hall, Tarrytown, N. Y., Friday afternoon and evening, June 12.
Harry Van Koolbergen of Boskoop, Holland, sailed for home May 26, after a profitable tour of the country. He informs us that every plant of their vielet blue rose was sold. Mr. Van Koolbergen will be married to Miss Anna de Jong of Leiden, Holland, on June 16.
U. G. Scollay, manager of the firm of J. A. Scollay, horticultural engineers, Brooklyn, is attending the annual convention of the Master Steam and Hot Water Fitters' Association in Boston, Mass. Headquarters of the association are at the Hotel Brunswick of that city. Mr. Scollay is vice-president of the Master Steam and Hot Water Fitters' Association of New York.
Thieves have stolen a number of rhododendrons from the collection presented to Central Park by Mrs. Russell Sage.
The Brandt-Hentz Flower Company has been incorporated under the laws of New Jersey to deal in cut flowers, plants and nursery trees and to do a general decorating and landscape gardening business. The company will pay special attention to the wholesale flower trade. Henry Hentz, Jr., is president; Ellwood

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Brandt, treasurer. The principal office and greenhouses of the company will be at Madison, N. J. Mr. Hentz is well known for his success as a grower of roses; Mr. Brandt is also a successful florist, and is the present owner of the property and greenhouses at Turnpike road, Madison, which will be acquired and extensively improved by the new company.
Richard Vincent, Jr., of White Marsh, Md., paid this city a flying visit on Wednesday; the firm making an exhibition of geraniums at the rose exhibition at Bronx Park.
Ant. C. Zyolank of Bound Brook, N. J., the Winter-flowering sweet pea seed specialist, left this city Monday last on his annual California trip.

Washington, D. C. News Notes.

The Florists' Club of Washington met on the night of June 2 at Scotch Rites Hall, 1107 G street, N. W.
June weddings are on, and the benefits therefrom are being felt by the trade generally. J. H. Small & Sons had the Williams-Lotter wedding on the 10th inst., a home wedding with subsequent reception at Rauscher's. The reception hall was decorated with stately palms, Easter lilies and white peonies, and the breakfast table with Killarney roses, white and pink peonies and palms.
The condition of Mr. J. H. Small, who has suffered two strokes of paralysis, remains unchanged. He is still confined to his bed and keeps a trained nurse.
Increasing interest each year seems to be manifested in the decoration of Confederate graves in Arlington and the ceremonies connected therewith. Sunday, June 7, was chosen for the occasion this year. Probably the most notable feature was a speech by Gov. Robert B. Glenn of North Carolina, who paid flowery tributes to the soldiers of both armies participating in the Civil War. The Southern Cross, an immense floral tribute, was unveiled, while a living cross, formed of young ladies dressed in white with red sashes, attracted much attention. The flowers used in subsequent decoration of the graves were not costly, but liberally bestowed; many of these came from Washington florists, several of whom also contributed.
Walter Gordon has sold his retail store at 9th and Grant place to F. H. Kramer; it will be run as a branch to 914 F street.
The Florists' Club has for some time been discussing the Sunday closing law for local flower stores. There are opinions each way and widely divided. Wm. F. Gude has been appointed chairman of a committee to call a special meeting of all club members to vote on the bill.
JAS. L. CARBEY.

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JOTTINGS FOR FLORISTS

BY EDWIN LONSDALE

Rose White Killarney Here is an extract from the London Gardening Illustrated for May 30, 1908, the very same day I had something to say on the original Killarney, which will no doubt be of interest to your readers:

American growers announce a white sport of Killarney, which will be put on the market next year. From a florist's point of view, especially for indoor culture, this variety will undoubtedly command a ready sale, for the old Killarney is one of the best Hybrid Teas for this purpose. It is also a good variety for outdoors, the only fault one can find with it being its susceptibility for mildew.

Saintpaulia ionantha The common name for this gesneraceous plant is African violet, and it comes by same naturally; not that it is in any way closely related to the viola family botanically, but in form and coloring it is as nearly the old style form of the typical violet as it is possible for any flower to be, whether it belongs to the same natural order or not.

According to George Redles, the secretary and treasurer of the Germantown Horticultural Society in an address before the Florists' Club of Philadelphia last Winter, it is one of the most satisfactory flowering plants for window gardening that we have in the whole list of suitable plants for that critical purpose. It is propagated both by seeds and leaf cuttings. After the cuttings have been put into the sand care must be exercised not to give too much water, or they are liable to decay. It is a very interesting plant and ought to be more plentifully found in the trade.

Crotons The second week in June is generally considered early enough for the planting outdoors of crotons—or, to be scientifically correct, we should write codiaums, but the trade name of croton will be recognized as the only name for some time to come—but owing to the weather conditions prevailing about Philadelphia being so favorable I could not resist the undertaking of running some risk and up to this writing I have no regrets. Not only were the weather conditions all that could be desired for outdoor planting, but a modified plan in preparing our stock of crotons was put into operation this year, and helped along with our work. The bulk of the croton plants used in our operations are the result of our arrangements the past Winter's propagation. The plants from which we take our cuttings are those that have done duty during the preceding Summer for outdoor decoration. After they have thoroughly recovered from the lifting and grown some cuttings are taken therefrom, the first of which for the present season's supply were made December 11, 1907. The propagating house where crotons are rooted is kept at a minimum night temperature of from 70 to 75 degrees, or about the same temperature as the croton house proper is kept at. Our propagating house is narrow, only twelve feet wide; a walk is in the center and beds are on each side, with steam heating 1½-inch pipes beneath. Under a part of our arrangements the heat is confined by boarding up the sides, thus naturally intensifying the bottom heat, whereas the remainder of the propagating bed is left open without any restrictions whatsoever, and the cuttings rooted equally well, with little or no apparent difference in time of same, and none whatever in the results, as practically ninety-nine per cent. rooted under both conditions. Our forefathers had a strong belief that bottom heat for propagating or increasing stock was absolutely necessary, but with our modern methods we can do just as well without it as with it. This, of course, only applies to stock easily propagated.

These cuttings that were put into congenial quarters first were rooted and in line shape for potting on January 6 of the present year. They were potted into 4-inch pots, when they remained until

they were planted outdoors last week. Heretofore we have been in the habit of re-potting our crotons into 4-inch pots sometime during the month of March. The plants we had this year were large enough for all practical purposes, and here is a point well worth considering in this connection—of what use is it taking the time to re-pot into the larger size of 4-inch pots when plants large enough for our purpose may be grown in 3-inch pots and consider the time saved in the planting? All those who have handled a trowel will appreciate this to its fullest extent. How few less movements are necessary in the planting of the smaller sized plant than the larger.

Cuttings of crotons may be propagated as late as February and March and make excellent material for the class of work under consideration, and especially does this apply to those varieties which are the most suitable when used for the edgings of beds, and for such purpose *Weismannii* is the very best that has so far come under my notice. It has long, narrow leaves and its manner of growth is short jointed, and in general coloring effect it is a bright yellow.

The growing of crotons for bedding purposes is very economical as to the space occupied by individual plants. The greatest expense is in the maintenance of the requisite heat to cause them to grow freely. Heat and moisture are the great requisites of the croton. Insects may be kept at bay by persistent use of Tobacco liquid solution with soapy water. Once a week, carefully applied, will keep the plants as clean as possible.

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PINK—Early: Glory of the Pacific, Rosiere. Mid-Season: J. K. Shaw, Adela, William H. Duckham, Jr., Euguehard, Morton F. Plant, Late: Maud Dean, The Harriott, Mayor Weaver, Mrs. James Marshall.

YELLOW—Early: Monrovia. Mid-Season: G. Patebor, Col. D. Appleton. Late: Major Bonaffon, H. W. Reiman, Yellow Eaton. **RED**—Cullingfordi, Merstham Red, Matchless. **BRONZE YELLOW**—Mrs. William Duckham, Old Gold.


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Cinerarias.

Seeds of *Cineraria hybrida* started at about this time germinate most readily, and with proper attention to the requirements of the seedlings during the warmest months of Summer, are least difficult to work into good stock for next year's early Spring and Easter sales. Use fresh seeds of the best strains to be had, sow on leaf-mold, plentifully intermixed with clean, sharp sand, place the trays in a cold frame. Keep moist and shaded, but let the sashes be raised a few inches from the start, unless unusually cold winds and weather compel their being tightly closed for a time. When the seeds are up lay off the sashes on rainless, pleasant nights altogether. Time to transplant is after the seedlings have developed their third leaf. This may be a potting up with several shiftings into larger pots to follow during their course of growth, or a planting at proper distances—say seven or eight inches between plants—into the nicely prepared soil of a frame, where, conveniently protected against heavy rains by the sashes, kept at handy reach, as also by screens against too fierce a sunbeats, they will attain good size and strength by the close of September. The plants are then carefully lifted and potted up into soil, somewhat heavier in texture and richer in fertilizing matter, are held close for a few days and kept in frames as late in the Fall as possible until the protection from frosts, afforded by these, becomes insufficient for their safety. They are then removed to a well-lighted bench in one of the coolest, airiest greenhouses. Here the cineraria's greatest foes, frost and a high temperature, either of the two, must be kept at a distance.

Mignonette.

Seeds for the principal crops of Winter-flowering mignonette, to be used or sold in a cut state, are sown in August and on some places as late as the last week in September. Successive sowings, two or three, from now until then result in a supply of flowering plants in pots from early in the Fall until the beginning of the new year. It is stock that sells good, and where a call for potted plants in variety is certain to be an every-day occurrence at that season, potted mignonette should not be missing in the stock offered. Unless transplanted when very small, the seedlings object strongly to being disturbed in that manner, and suffer a set-back that keeps up its tell-tale to the finish. Starting the seeds in the usual way in trays is therefore not what leads to best results. We sow a pinch of seeds at once in the pots in which the plants are flowered and sold, filling them but three-fourths up with soil, adding the remainder after the seedlings are somewhat strong, and have been thinned down to one or more of the strongest. All manner, if it is old enough to be handled like soil, to which a fair proportion of sand is added, is what we use in the growing of pot mignonette. Press it down firmly, let it become rather dry before every watering, start the seeds under glass, but never shut out the air, nor the light or sunshine after the plants have begun to make headway. The symmetrical bush form is most acceptable, next to this the more rigid and heavily flowered pyramid, and least profitable, because most expensive in labor and time, is the painstakingly trained standard. When mignonette shows bloom buds too soon for your trade, pinch back and it will flower later.

Adiantums.

Bench-grown maidenhair ferns need a rest after the last heavy cut of fronds in Spring. They should, however, even during this period of inactivity, never be wholly denuded of mature frondage or be ever suffered to become dust-dry at their roots. Withhold water to the extent of dispelling acidity from the soil which, as employed in the culture of ferns, sours only too rapidly. Stir the surface, while drying out, to a reasonable depth, adding nothing to its bulk during this period, but freely admitting air, light and sunshine. Under these conditions the new growth is slow in coming, but when finally it appears it is

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strong and abundantly in evidence, thus proving the good the short spell of rest has done on the plants, and the advisability of holding on to them for another season. Unless benched *Adiantum emarginatum* or *Croweaum* shows this renewed strength in unmistakable form, its being carried over for another year as against replanting with new, vigorous stock would not win out for the grower. If the stock shows deterioration rather than partial exhaustion, the death-dealing effects of fungus and red-spider attacks, is hopelessly enfolded for further production, throw it out; thoroughly clear and cleanse the bench; prepare fresh, new soil, more of a turf-like, coarsely broken up, gravelly character than containing the usual over-measure of leaf-mold; drain the bench well; do not firm the soil any more than is unavoidable in planting; set out clean, strong plants, coming out of three-inch pots; water sparingly but spray often; keep the house well ventilated but guard against strong currents of cold air and rather lessen than increase the density of the shading. **FRED. W. TIMME.**

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Annual Convention American Association of Nurserymen

Milwaukee, Wis., June 10-12, 1908

The thirty-third annual meeting of the American As-
sociation of Nurserymen was held in Milwaukee June 10,
11 and 12, and was largely attended.

The report of the Treasurer showed a balance on hand
of nearly \$3,000. The Committee on Legislation re-
ported a favorable decision in a test case brought in
South Dakota to try the validity of the nursery inspec-
tion law recently enacted in that State. While some
sections of the law were sustained, the provisions most
troublesome to nurserymen, such as furnishing bond and
references as to integrity and responsibility, have been
eliminated. The committee also recommended bringing
test cases in Oklahoma, Wyoming and Wisconsin.

Col. C. L. Watrous, on behalf of the committee ap-
pointed to co-operate with official entomologists, reported
that the joint committee had adopted resolutions asking
Federal legislation on inspection of imported nursery
stock on issuing uniform certificates of inspection to all
States in the Union, and on asking the Secretary of
Agriculture to take steps to control insect pests.

Mr. Orlando Harrison, chairman of Committee on Na-
tional Inspection Law, after reviewing the various steps
that had been taken in the past to secure such a law,
all of which proved futile, recommended that further ef-
forts in that direction be abandoned, with the exception
of trying to secure Government inspection of imported
stock. The recommendation of Mr. Harrison was unani-
mously adopted.

The Committee on Transportation, through F. H.
Stannard, chairman, reported fewer delays, more claims
settled promptly and more satisfactory service this year
than in the past.

The Committee on Mutual Insurance reported that
owing to adverse legislation, this plan of insurance was
not found practicable.

The following officers were elected: President, Chas.
J. Brown, New York; vice-president, C. M. Hobbs, In-
diana; secretary, George C. L. Seager, Rochester, N. Y.;
treasurer, C. L. Yates, New York; executive committee,
J. H. Dayton, E. M. Sherman, H. B. Chase, J. W. Hill,
Geo. C. Seager.

The Rose Show at Bronx Park, N. Y.

The Summer meeting of the American Rose Society
and a regular meeting of the Horticultural Society of
New York was held on Wednesday afternoon, June 10,
in the Museum Building, New York Botanical Garden,
Bronx Park, New York. There was also an exhibition
of roses given by the joint societies. It was expected
that, for the American Rose Society, Mr. W. C. Barry
of Rochester, N. Y., would give a lecture on outdoor rose
culture. Unfortunately, Mr. Barry had a prior engage-
ment at Milwaukee and could not be present. The meet-
ing of the Horticultural Society was presided over by
Mr. Patrick O'Mara, who announced that, at a meeting
of the council held that afternoon, it had been decided
to hold an exhibition of flowers and plants in the Mu-
seum of Natural History, Central Park, on November
17, 18 and 19 this year. A committee had been ap-
pointed, consisting of secretary of the New York Flor-
ists' Club, John Young, and President of the S. A. F.
Frank H. Traendly, together with other members from
the Horticultural Society, to arrange for the exhibition
and to add to their numbers as a committee as they
thought fit. With the exception of voting one new mem-
ber into the society—Mr. H. H. Lesley of Pittsburg,
Pa.—this was the only business transacted, and Chair-
man O'Mara introduced Mr. L. Barron, who gave an il-
lustrated lecture on roses. The speaker dealt chiefly
with outdoor roses, the object being principally to show
the usefulness and long-flowering qualities of the roses
when the various types are taken into consideration. He
showed by pictures thrown on the screen that, with care-
ful selection of species, an abundance of flowers could be
had five months in the season. The lecture was thor-
oughly enjoyed by every one present.

On the exhibition tables J. H. Troy, nurseryman, of
New Rochelle, N. Y., staged a rather comprehensive col-
lection of outdoor roses, each variety being tastefully
arranged in some receptacle which showed off the adap-
tability of the rose as a cut flower. Some varieties were
in plaques, some in vases and some in baskets of various
shapes, about forty-five varieties being represented.
Among some of the varieties in this exhibit were Kil-
larney, Mme. Caroline Testout, Kaiserin Augusta Vic-
toria, Baroness Rothschild, Fisher Holmes, Victor Ver-
dier, etc.

F. R. Pierson of Tarrytown, N. Y., showed a collec-
tion of outdoor roses, among which were Frau Karl
Druschki, Mrs. Sherman-Crawford, Dawson, Climbing
Rubra, a new red one, Gardenia, Carmine Pillar and
Leuchtenstern. Mr. Pierson also staged a very nice
exhibit of peonies, among which were Modeste Guerin,
a bluish white; Marguerite Gerard, light pink; Victor
Hugo, cerise; Marie Lemoine, cream white; Mme. Emile
Galle, a light pink; Mme. Crousse, a light pink; Mme.
Chaumy, a pure pink; Couronne d'Or, General McMahon,
large red, and Claire Dubois, an anomone-flowered var-
iety, pink and white in color. Mr. Pierson also made
an exhibit of cut sweet peas.

Lager & Hurrell of Summit, N. J., staged orchids in
flower, and Dr. Van Fleet, of the Rural New Yorker,
showed a collection of roses, among which was a nice
red variety, the result of a cross between Rosa rugosa
and H. P. Victor Hugo.

W. A. Manda of South Orange, N. J., exhibited a col-
lection of Wichuraiana roses.

Harry Turner of Castle Gould, L. I., N. Y., showed
three vases of Malmaison carnations—two red ones, Mrs.
Trelawney and Lord Welby, and a white variety, Calypso.

Richard Vincent, Jr. & Sons Company, White Marsh,
Md., made an exhibit of geraniums of the newer varieties,
about thirty-three sorts being staged. The weather had
been so hot, however, that the flowers did not do them-
selves justice.

The judges' decisions of the exhibition had not been
announced when we went to press.

IN THE CITY MARKETS.—There is a door down on
Washington street, in the market section, before which
there is always hanging a brace of plump yellow braids,
spliced tightly together and suspended from a nail, says
the New York Sun. When these braids first strike
your eye you are apt to wonder if you have struck the
headquarters where the Marguerites and all the other
heroines who are supposed to glory in abundances of
yellow hair get the tresses necessary for their parts.
When you get a closer look at the display you find that
you have not. The individual strands of these braids are
pretty coarse, too coarse even for a stage wig, and the
man who runs the place tells you that the stuff is raffia,
an imported vegetable fiber that the marketmen use to
tie up bunches of asparagus. When he adds that the
wrapper is rendered supple for use by a free soaking in
water, the last resemblance to artificial locks disappear:
no imitation, even for stage purposes, would stand for
that sort of thing. Why is this raffia masqueraded in
the guise of real braids?—simply because it is shipped
handiest that way from France, or wherever it happens
to be prepared, that's all.

Inauguration of the William Scott Monument Fund

Two sincere and warm friends of the late lamented
William Scott have at this writing and since we last
went to press, emphasized their desires to see a monu-
ment erected to his memory by depositing with The
Florists' Exchange substantial checks to be used toward
that end.

A monument to William Scott, whom we all knew and
whom we all loved, to be erected to his memory through
the contributions of his brothers in the profession, would
certainly be a most graceful act, and one of which we
heartily approve, and we will willingly become custodian
of such funds as may be placed in our hands for that
purpose and co-operate with any committee which may
be founded later to formulate designs and see to erection.

If all who wish thus to pay final honor to his memory
will send in their contributions promptly, same will be
acknowledged in these columns, and the memorial of love
and respect quickly assume visible proportions. Remit-
tances of small amounts will be fully as acceptable as
the larger checks. We beg to acknowledge to date the
following contributions:

J. McHutchison, 17 Murray St., New York.....\$10.00
John Birnie, West Hoboken, N. J..... 5.00

Editor Florists' Exchange:

The suggestion of your correspondent "S," in last
issue of The Florists' Exchange, to have a monument
erected over the grave of the late William Scott, of
Buffalo, N. Y., will, I am sure, appeal to our American
florists and those of allied interests, as being a most ap-
propriate method of paying a last tribute to the memory
of this illustrious florist. Mr. Scott was known by a
large percentage among the craft and respected by all
with whom he came in contact. His writings and his
speeches helped many a struggling man, and those who
were fortunate enough to enjoy his friendship had a
true friend ever ready to help them or to give his power-
ful assistance to any good cause. The monument pro-
posed need not necessarily be an elaborate one. To star
this fund I enclose a check for \$10. I have made the
amount small as I know there are many who wish to
contribute.

Yours truly,
J. McHUTCHISON.

Editor Florists' Exchange:

I am glad to see you have promptly acted upon the
suggestion of your correspondent "S," on page 744 of
The Florists' Exchange. I think, with him, "William
Scott deserves some recognition and gratitude at our
hands." William Scott was a man of whom any pro-
fession might justly be proud, and we will be doing our
selves honor by honoring his memory. He was essen-
tially a self-made man, self-educated and, by his own
efforts, attained fame and distinction to a degree which
is seldom reached by the working florist. His intellec-
tual abilities were extraordinary; he was a ready speaker
and always spoke convincingly and to the point; his
writings were comprehensive and instructive; his dic-
tion would have done credit to a college professor; his
genial and dominant personality made him loved and ad-
mired by all who came in contact with him, and yet
withal, he was absolutely without affectation and never
suffered from the "swelled head." This I can say after
a personal acquaintanceship of 35 years. As "S" re-
marks, the proposed monument or memorial need not be
elaborate; simplicity will be more consistent in a mem-
orial to William Scott than display. That the effort
will be a success there is no room to doubt, and the con-
tribution of the "mite" is a foregone conclusion. The
veterans in the profession will, I am sure, respond. Many
of William Scott's warmest friends and admirers have
"crossed the Great Divide," but their sons will, no doubt,
feel it to be their duty to do what their fathers would
have done.

JOHN BIRNIE.

Editor Florists' Exchange:

I cheerfully concur in the idea of your correspondent
"S," who suggests a "monument to the late William
Scott." I believe that hundreds of florists throughout
the country would be glad of an opportunity to con-
tribute toward such a testimonial to one who in life was
foremost in all such undertakings himself, and whose work
in the interests of floriculture was of incalculable value
to all engaged in the industry. An opportunity to show,
in some measure, our gratitude and appreciation of Mr.
Scott's good work and kindly interest in his brother
florists would, I believe, be most cheerfully responded to
by his many friends in the trade.

J. F. SULLIVAN.
Detroit, Mich.

PAMPHLETS RECEIVED.

SWEET POTATOES is the subject discussed by W. R.
Beattie, Assistant Horticulturist, Bureau of Plant In-
dustry, Department of Agriculture, Washington, D. C.,
in Farmers' Bulletin 324. The bulletin gives simple cul-
tural directions covering production, both for home use
and market, including the soil and its preparation, the
propagation of the plants, planting, harvesting, storing
and marketing, together with the uses of sweet potatoes
for stock feeding and similar purposes. A list of var-
ieties is also furnished. The bulletin is illustrated, and
will be found of much service to all interested in the
subject with which it deals.

Reduced Rates for the S. A. F. Convention.

The Trunk Line Association covering points in the States of New York, Pennsylvania, New Jersey, Delaware, Maryland and part of Virginia and West Virginia has granted a rate of one fare and three-fifths for the round trip on the certificate plan to those desiring to attend the convention. Other associations have not as yet granted any concessions. Other particulars will be announced later.

W. N. RUBO, Secretary.

Missouri Botanical Garden, St. Louis.

When Shaw's Garden was opened on Sunday afternoon, people who visited were impressed with several changes from the conditions that they last saw. The building originally known as the Casino, and built as a restaurant, opposite the north gate of Tower Grove Park, and which since Mr. Shaw's death has been used as a residence for pupils studying gardening, has been torn away, and, although the continued rains have prevented the superintendent of the garden from grading and planting the place where it formerly stood, it can be seen that as soon as this has been done and the trees and shrubbery brought out to the street the appearance of the corner is going to be greatly improved. The old Shaw mansion, removed from Seventh and Locust streets sixteen years ago, is also beginning to assume different proportions, through the addition of a fireproofed extension about 110 feet long, which has now got up to the first story and will rapidly grow through the Summer. The stone wall which formerly separated Mr. Shaw's pleasure grounds and vegetable garden from the meadow to the south has been taken away, so that the garden now runs continuously with Tower Grove Park, except for the intervening street, Magnolia avenue, which has been so fully blocked off by trees and shrubbery as to leave nothing indicating its presence except an occasional telegraph pole or glimpse of a street lamp through a break in the green.

Seven years ago this tract of twenty acres was planted in accordance with the best of landscape gardening plans, to represent, by means of a natural open park, the types of North American vegetation. Thrown open to the public a year ago, this North American synopsis will be new to most visitors. The 1,500 or more kinds of plants that it contains are distributed naturally over a beautifully molded piece of ground, diversified by brooks, ponds and shrubbery which look as if they had always been there. Every year, with the growth of the trees, this part of the grounds is destined to increase in attractiveness as well as interest.

Adjoining this new addition, and snuggled away so as not to intrude into the park-like effect, is a collection of about 325 plants used in medicine, grouped according to their physiological action, and constituting one of the largest medicinal plant representations in the country. To the north of that, equally prevented from intrusion into the general picture, is a trial ground filled with farm plants, honey plants, savory herbs, etc., and about 2,000 kinds of plants for which use has not been found elsewhere in the garden. In the two or three years since these trial grounds were started, they have proved of more interest, perhaps, to visitors from the country than anything else about the garden.

The flower garden itself is now in an attractive condition. The rains of the Spring have kept the grass and foliage fresh, the roses are at their best, the yuccas are beginning to bloom, and the flower beds are already showing promise of what they are to be during the Summer, while one or two mosaic beds of fleshy-leaved plants show how attractive patterns can be worked out with even the most formal of plants.

As usual, the collection of agaves, or century plants, which is one of the largest in the world, is hedged out through the Summer at the west of the planthouses, and one of the smaller kinds is preparing to bloom. Though the large pond lilies are only to be seen in the Summer, some of the smaller kinds are already flowering, and a beautiful clump of white Japanese iris forms a pretty background for one of the smaller lily ponds, while another is flanked by a diminutive cat-tail now in fruit and looking very different from the big wild cat-tail of our marshes.

The little cactus house, in which the wonderful range in form that cactuses show is well exemplified, is certain to attract attention, like the adjoining tower in which tender yuccas are planted, and the acacia house which opens off of this.

The hothouses have seldom been more attractive than they are now. A vanilla vine, with both flowers and fruit, the goose-flower, many kinds of showy orchids, a dainty wall draping of clerodendrons, with brilliant red flowers set in a pure white calyx, and the usual number of variegated plants, give color and interest. In the temperate house, a special little enclosure has been made in which is a very well-grown collection of sundews and other insect-eating plants, supplementing the collection of East Indian pitcher plants hanging from the rafters of the houses, and the little vestibule at the north of this house is flanked by the curious sensitive plant, the leaves of which close at even the slightest touch.

The Retail Florist Association of the Borough of Brooklyn.

Editor Florists' Exchange:

I wish to enlighten the wholesale as well as the general florists' associates of the city of New York, also your valuable paper, that the so-called Retail Florists' Association of the Borough of Brooklyn, city of New York, is an organization formed for the purposes of bettering the trade, sociability, and a standard time for closing; and not to do harm or cause bitter feeling to any one. Every retailer doing a legitimate retail florist business in the Borough of Brooklyn is cordially invited to become a member and is assured of a square deal. Our next regular meeting will be held at our rooms in the Imperial, on June 22, at 9 p. m. sharp, at which we cordially invite your representative to be present.

WM. A. PHILLIPS, Secretary.



Designed by the Frankford Flower Shop, 1129 Frankford avenue, Phila. Walter L. Bartzell, Proprietor.

The material was composed of 100 Sweet Peas, 50 Lily of the Valley, 4 Smilax, 50 Cannas, 30 Roses, 100 Ferns, 25 A. plumosus, 3 yards Ribbon, 24 Gold Letters, Frame, 3 ft. 6 in.



James Shanley.

James Shanley, the well-known florist, who for eighteen years has been located near Greenwood cemetery, Twenty-fifth street, Brooklyn, died after a brief illness from Bright's disease in St. Mary's Hospital on Thursday, June 4, and was interred in Holy Cross, Flatbush, on Saturday, June 6.

Mr. Shanley at the time of his death was sixty-two years of age. He was born in County Lough, Ireland, in 1846. After learning the trade of a gardener, he came to this country while still a young man and secured employment on an estate at Bridgeport, Conn., subsequently going to Queens, L. I., and taking a position with Hahocks, seed growers of that place. Leaving the Hahock place after a short stay, he accepted a position with J. Condon, the well-known Greenwood florist, with whom he stayed several years. About eighteen years ago Mr. Shanley went into business for himself, building greenhouses on leased ground on Twenty-fifth street and but a short distance away from the main entrance to Greenwood cemetery. He devoted himself almost wholly to the

concealment trade and built up a lucrative business. His straightforward dealings gained for him many patrons. He was a member of the New York Florists' Club and regularly attended the meetings of that body.

Besides the bereaved widow, one son, James J., is left to mourn his loss. The business will be continued by Mrs. Shanley, but will be under the personal supervision of the son, James J. Shanley.

George Roy.

Of apoplexy, at his home in Belvidere, N. J., George Roy, Sr., a well-known gardener and florist, suddenly passed away on the morning of June 5, aged 79 years. Mr. Roy was a native of Morayshire, Scotland, and came to this country 50 years ago. He had successfully taken charge of several of the finest private estates in New York and New Jersey. About 18 years ago he retired from active life and purchased a home in Belvidere. Up to the last he was never idle and always busying himself about his home grounds. The floral offerings were numerous and very beautiful, showing the high esteem in which he was held. A widow, four sons and a daughter mourn his loss.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLOREST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Pres. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of reasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of reasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

S. Jacobs & Sons

It is perhaps little understood by the casual buyer of a few hotbed sash or material to build a few greenhouses, to what an enormous extent the manufacture of greenhouse material and hotbed sash has grown in the establishment of S. Jacobs & Sons. Throughout the entire country there is perhaps no firm better known than Jacobs & Sons for the manufacture of lumber for greenhouse purposes, and just now, when building operations are occupying the minds of a great many florists, it will not be out of place to give a brief history of their business career, together with a few words about the manufacturing plant which they have built up to such an eminent degree of perfection.

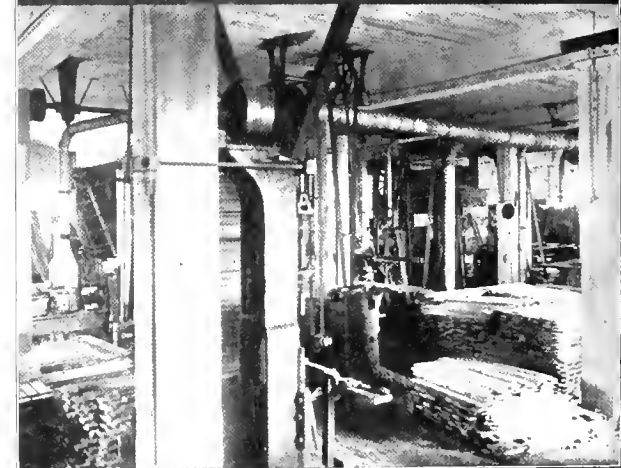
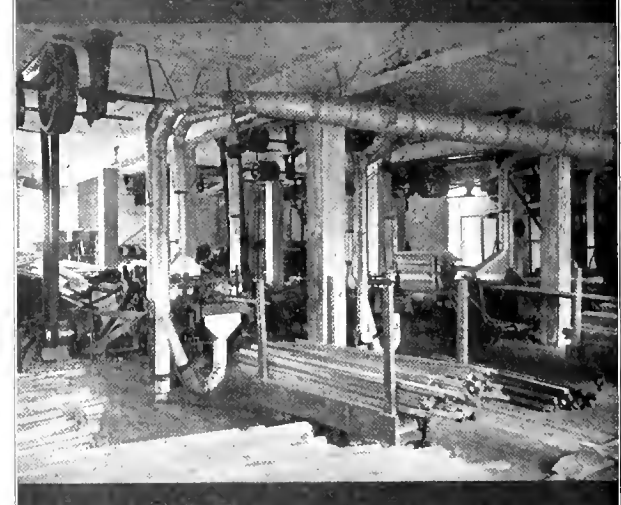
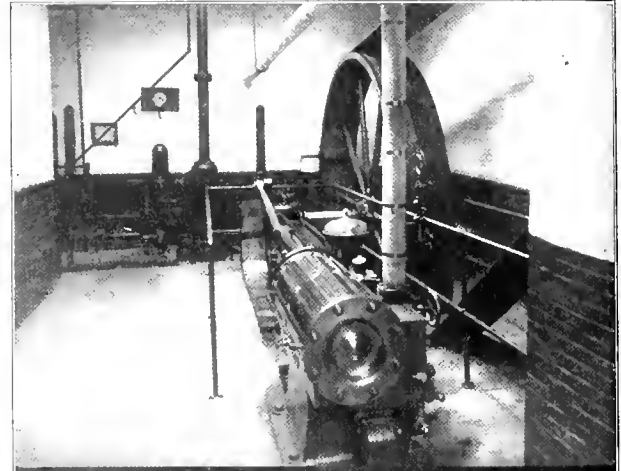
This business was founded in 1871 by Mr. S. Jacobs at 218 Canal street, New York, and for twenty years was there conducted, until it grew to such proportions that in the year 1891 property was purchased at the corner of Flushing and Metropolitan avenues, Brooklyn, and a new factory built there. In 1893 the two oldest sons, Joseph and Louis, having graduated from high school and gone direct into the workshop of their

father were taken into partnership. Ten years later, in 1903, Maurice L., the next oldest son, was taken into partnership, he having graduated from high school as his elder brothers had done; and at this time the senior partner, Mr. Jacobs, retired from business, leaving it in the hands of the three sons. At the beginning of the present year (1908) the youngest son, Harry, who in addition to being a graduate of high school had taken a course in a business college, was taken into partnership. Thus, at the present time the business is run entirely by the four sons of the family, each one having charge of his special department.

Joseph has under his personal supervision the entire manufacturing and financial affairs. Louis is in charge of the hotbed sash trade, and some idea of the immense proportions of this part of the business may be gathered from the fact that last year over 100,000 hotbed sash were sold. Maurice has charge of the greenhouse building department, he making all plans and estimates, and traveling whenever necessary. Harry has full charge of the office work, including all the correspondence.

A little over a year ago the increased needs of the trade made it imperative that a larger factory be built, and a substantial brick building, fully equipped with all the latest devices in the way of machinery, is now in full running order. In planning the new building for what it was to be used, every little detail has been well thought out, and the manufacture of sash and greenhouse lumber with the least handling and greatest expedition is accomplished. On the ground floor the raw lumber is put through the planing and molding machines, after which it is transferred to the floor above, where it is cut and mortised and put through various other operations necessary; then it goes up one more flight to what is called the assembling floor. Here the hotbed sash are put together and finished in every detail except the glazing and painting; this operation being done on the top floor of the building. Thus it will be seen that the rough material goes in at the bottom and comes out at the top in a finished condition, ready for shipment. The illustration of finished hotbed sash stacked in the yard will give some idea of the extent of this industry alone. The manufactured material for greenhouses is stored away in sheds, not shown here.

It is perhaps worthy of mention that of all the various machinery used in the manufacture of greenhouse lumber the firm here has not a single machine, or type of machine, in use at the present time that was in vogue at the time the Jacobs industry was founded. New inventions, particularly in regard to mortising and tenoning, have rendered obsolete the machines that were in use formerly. All the lumber used at the present time is cypress, and is conveyed from the South in schooners direct to the dock at the foot of Metropolitan avenue. In addition to the manufacture of greenhouse lumber, Jacobs & Sons are manufacturers of putty on an immense scale. They make both hard and liquid putty; their brand of the latter, called the Sealed-Tight, has already acquired an almost national reputation. The steam power required to operate the various machines is from two 400 horsepower boilers and generated through a Corliss engine of the latest type.



S. Jacobs & Sons, Brooklyn, N. Y.

Corliss Engine, Supplying all Power Needed.

Planing and Molding Floor.

Sash-Making Department.



S. Jacobs & Sons, Brooklyn, N. Y.

Exterior of Factory.

Finished Sash in Storage.

Glass Ready for Orders.

To give somewhat of an idea of the amount of glass carried by the firm, a view of the storehouse is here shown. At the present time there is on this floor approximately 500,000 square feet of glass in various sizes.

Some most interesting experiments are about to be made at this establishment which will, no doubt, interest the trade very much when completed. In conjunction with the forest service of the Department of Agriculture, Jacobs & Sons are erecting some tanks, in which tests are to be made of various liquids in which lumber will be dipped for the purpose of trying out certain prescriptions which are supposed to be beneficial for the preservation of lumber when used for either greenhouses or other purposes. Jacobs & Sons have entered into an agreement with the Department whereby these tests will be made under the supervision of a representative from the Department, and there is no doubt that some good will result from the tests about to be made and the trade at large will receive benefit therefrom.

In addition to being manufacturers of greenhouse material and hotbed sash, the firm are also dealers in boilers, glass, pipe fittings of all kinds and ventilating apparatus.

CLUB AND SOCIETY DOINGS

TARRYTOWN, N. Y.—The schedule of the tenth annual exhibition of the Tarrytown Horticultural Society, to be held on Wednesday, Thursday and Friday, November 4, 5 and 6, is being distributed. A general list of premiums is offered in the schedule, and those desiring a copy should apply to E. W. Nebrand, Secretary, Tarrytown, N. Y.

THE NEW YORK FLORISTS' CLUB. The June meeting of the club was held on Monday evening, with President Chas. B. Weathered in the chair and about sixty members present. After the minutes of the previous meeting had been read and accepted, Patrick O'Mara, for the Transportation Committee, reported that his committee favored the route of the D. L. & W. railroad for the journey to the Convention of the S. A. F. O. H. at Niagara Falls in August next. This railroad company will furnish a train leaving Hoboken at 10 a. m., and arriving at Niagara Falls at 9 p. m., with a dining car. This proposition looked so favorable to the members present that, after a short discussion, in which Messrs. Lenker, Stewart, Birnie, Traendly and Marshall took part, the committee, on motion, were given full power to make all necessary arrangements with the D. L. & W. for the conveying of the delegates from this city to Niagara Falls.

For the Outing Committee, Mr. Marshall (chairman) distributed programs to the members present and reported that the advertising patronage and the promises for the prizes and the sale of tickets were all well up to the usual volume, and that every indication pointed to a successful outing to Witzel's Point on July 1, both financially and otherwise.

W. C. Rickards was accorded a vote of thanks for the splendid manner in which he carried through the arrangements for the entertainment of the many visitors on Ladies' Night, which occurred May 27.

The following gentlemen were elected to membership in the club: B. C. Chadwick, August Millang, Alex. H. Donaldson, John Meisen, Alex. G. Hogg and J. Herlthy.

On motion, \$50 was voted to the Transportation Committee for general expenses.

On motion of Mr. O'Mara, a committee was appointed to draw up suitable resolutions on the death of Mrs. Thomas Young, mother of the worthy secretary, John Young. The president appointed Messrs. O'Mara, Traendly and Butterfield on that committee. Mr. O'Mara drew attention to the recent death of Wm. Scott of Buffalo, and remarked that, although Mr. Scott was not a member of this club, it would seem fitting that a committee be appointed to draw up resolutions and to send a copy of the same to Mrs. Scott. The motion was unanimously adopted, and President Weathered appointed Messrs. O'Mara, Stewart and Traendly, three members of the club who had served as president of the S. A. F., on such committee. A committee on resolutions was also appointed on the death of a brother member, James Shanley, and, as the next meeting of the club will not take place until September, the committee was instructed to send the resolutions to Mr. Shanley's family, direct through the secretary, as early as possible. Messrs. Birnie, Sheridan and Donaldson were appointed on this committee.

At the close of the business meeting, George V. Nash was introduced, and gave a very instructive lecture, illustrated by stereopticon slides, on flowering and decorative trees and shrubs. Mr. Nash went through the whole history of trees and shrubs likely to be of service to the general grower, commencing with the first flower that appeared—the pussy willow—and winding up with the berried evergreen trees of the Winter season. The lecture was immensely enjoyed by every one present, and a hearty vote of thanks was accorded Mr. Nash at its close.

The meeting then adjourned until the second Monday in September. The president took the opportunity just before adjournment to thank the members for the hearty support they had thus far accorded him in his administration, and hoped to see them all at the September meeting enjoying health and prosperity.

THE EXHIBITION.—Harry Turner, Castle Gould, L. I., exhibited two vases of Malmaison carnation, one a white, called Calypso, and the other a red, named Mrs. Trelawney—for which he received a cultural certificate.

Alex. G. Hogg exhibited a cluster of a white peony, of good size and very fragrant, which he brought with a view of getting the correct name of the variety. The Award Committee decided that it was Festiva maxima.

THE LATE WILLIAM SCOTT.—Whereas, We, the members of the New York Florists' Club, having learned of the death of Wm. Scott of Buffalo, N. Y., feel it our sad duty to offer our heartfelt sympathy to his widow and family in their bereavement. We feel that in the death of Wm. Scott we have lost a personal friend, who was beloved by all of us for his sterling qualities of head and heart. His loss is one that must be felt where-

ver a florist and gardener is to be found. His counsel, so freely and generously given, endeared him to all, and was of incalculable benefit to the craft as president of the S. A. F., of the Buffalo Florists' Club and as superintendent of horticulture at the Pan American Exposition. In his voluminous and practical writings he met the highest expectations, but it was his lovable traits as friend and companion that endeared him to all of us and will forever keep his memory green where men of the trade gather.

Resolved, That this resolution be spread on our minutes and a copy be sent to Mrs. Scott.

P. O'MARA,
Wm. STEWART,
F. H. TRAENDLY

Resolved, That this resolution be spread on our minutes and a copy be sent to Mrs. Scott.

P. O'MARA,
S. S. BUTTERFIELD,
F. H. TRAENDLY

MONTEAL, CANADIAN ASSOCIATION OF FLORISTS' CLUB. The members of the Montreal Gardener and Florists' Club, having heard with deep regret of the death of Mr. Wm. Scott, of Buffalo, desire to express their deep sorrow of the loss to the profession through his decease. They are, therefore, unanimously resolved that the members of this club deeply deplore his loss and tender the family of the deceased their sympathy and condolence.

W. H. HOWARD, Sec. Treas.

American Peony Society.

The sixth annual meeting and fifth annual exhibition of the American Peony Society will be held June 20 and 21, 1908, at the State College of Agriculture, Department of Horticulture, Cornell University, Ithaca, N. Y. An attractive and comprehensive premium list includes 13 commercial classes, and seven classes open to amateurs and private gardeners only.

The prospects for a successful meeting are good. The weather conditions have been favorable for the best development of the peony, and advices from Ithaca say to the effect that the plants in the test collections have wintered well and give promise of abundant bloom. The supplementary collection of selected varieties which was added last Fall should make the collections doubly interesting, placing as it does the cream of the collections of various growers side by side in such a manner that the varieties may be easily verified.

Professor Whetzel, as chairman of the Committee on Diseases of the peony, will make a report for that committee which undoubtedly will be of much interest.

To those who did not attend the meeting last year it may be said that all who did, have a pleasant remembrance of the hospitable manner in which the society was received, and in all probability are looking forward to meeting again where so much of interest is at hand, and where pleasure and profit may be combined in observing what has been done and what is under way in the interest of better conditions in the peony business of the country.

The regular business meeting will be held at 3 p. m. on the first day, June 19.

The test collections are now in the immediate charge of Mr. Leon D. Batchelor, and he requests all members and others who issue catalogues or price lists of peonies to favor him with copies of them.

New Jersey Floricultural Society.

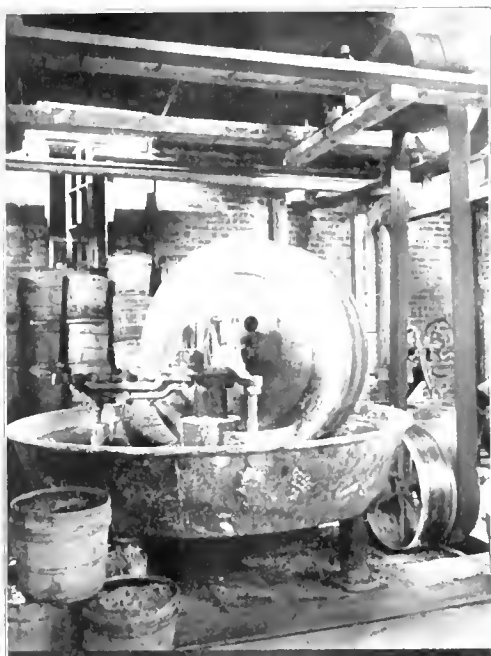
"Flowers for Commercial Uses" was the topic at the regular June meeting on the 5th inst., at the society's rooms in Orange, and its discussion was a warm one, engaging many of the members in its debate. The subject was introduced by John E. Lager, who stated that soft colors were in demand and delicate tints, and that the popular taste was for novelty. Orson A. Miller said his experience behind the counter and on the road had convinced him that the average woman she was the largest patron of flowers—did not know what she wanted and after going through an entire stock would return to the first article shown, which she had previously strenuously declared she did not want; that at the present time striking contrasts were popular, and that dendrobiums and violets had been worn together this season. George Smith did not approve of the combination of orchids and violets. He considered that it violated nature, and that orchids made up better with maiden-hair ferns. In his experience, valley was the only flower that would combine with orchids, and to mix other flowers with them was to botch them. Mr. Miller suggested that taste did not dominate in the demand for flowers, but that a woman was moved by her vanity and a desire to wear at a reception something that no one else had worn was at the bottom of the popular demand, rather than harmonious combinations.

In touching upon the reason for suburban residents seeking the metropolitan markets, Mr. Lager considered that this was not from a desire to secure a bargain so much as the purchaser was not moved by price, for he had known where \$2 was paid in New York, while the same thing was rejected at 75c. at home. He was of opinion that variety was the first attraction and that the very best was sent to the metropolitan market, and the public knew this.

The floral display consisted of peonies from S. & A. Colgate (gardener, William Read), Charles Munn (gardener, John Hayes), and Stewart Hartshorne (gardener, A. F. Caparn); delphinium and digitalis from F. or as Jones of Shon Hills; carnations from Charles Hathaway (gardener, Max Schneider); orchids, consisting of cattleyas, cypripediums, helio cattleya and lycaeo, from Lager & Harris of Summit, and Orson A. Miller of East Orange.

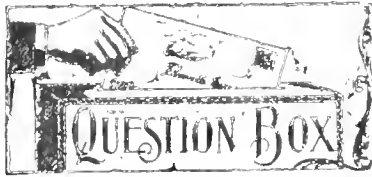
George Smith was appointed to visit A. D. Rose, who is seriously ill at his residence in Montclair.

J. B. L.



S. Jacobs & Sons, Brooklyn, N. Y.
Putty Chaser or Mixer. 100 H. P. Boiler.

THE LATE MRS. THOS. YOUNG, JR. Whereas, God in His infinite wisdom has called to Himself Mrs. Thos. Young, mother of our worthy secretary, we, members of the New York Florists' Club, in regular meeting assembled, take the opportunity to tender to Mr. John Young, and through him to the other members of the family, our sincere sympathy in their sad bereavement. In departing from this life to reap her eternal reward for a life well lived, she leaves behind a sorrowing circle, not alone of kinship, but a wider one from whose life a kindly and guiding spirit has departed. In the sacred relations of wife and mother, she realized in the highest sense the aspirations of the human heart. Secure in the love and affection of her chosen life partner, honored in her children, she enjoyed the happiness of a long life, departing full of years and honors. A perfect woman, nobly planned, to warn, to comfort and command.



(103). I am considering the erection of a frame, as shown in the illustration, for the purpose of raising carnations and violets, and request that you be so kind as to advise me concerning same. Plants are to be set in the ground and no benches will be used. Trench through middle is to be wide enough and deep enough to permit convenience while at work. End of frame is to be about 20 feet from dwelling-house. Kindly advise me as to the easiest method of heating such a frame where there will be very little room for piping or heating apparatus of any description. Would it be practicable to heat it from the house and what method could be employed for conveyance of heat? I am at present using hot-air furnace in the house.

Newport, R. I. W. J. G.

—You will not be able to grow violets and carnations in the same frame. Violets require not more than 45 degrees, while carnations in these times run anywhere from 55 to 60 degrees. For a frame such as you describe for violets, would advise placing four 2-inch pipes, which can be hung on the sides in coils of two pipes each side. These pipes to be supported with pipe hooks, which can be screwed into the posts. The end nearest the dwelling-house will be the low point and you will let these pipes rise to the far end of the frame and place an air cock on same. You could heat a frame of this size from the hot-air furnace by placing in the fire pot of the hot-air furnace a hot-water generator capable of taking care of 200 square feet for the violet frame, and if for the carnation temperature, one of about 250 square feet. If your present hot water furnace is only large enough to heat your dwelling comfortably, you cannot very well arrange to heat with the above generator. My suggestion would be to install a small hot-water boiler of about 250 square feet capacity in the cellar of the dwelling near the hot-air furnace, which in all probability could be connected to the same flue and work successfully. The main trouble about heating a greenhouse with a hot-water generator in a hot-air furnace is that for greenhouse heating you require temperature at night, and you ordinarily bank a fire in a hot-air furnace at night, for not much heat is required in the dwelling; so you will see from this that you would not be getting the full benefit of a fire to heat the greenhouse during the night. A small boiler for the greenhouse could be kept running easily during the day, and a good temperature arrived at in the late afternoon, so that the house could be carried steadily during the night. The expansion tank in connection with this system could be located in some room on the first floor of the dwelling, preferably in the kitchen, and the overflow pipe could be run from the tank into the kitchen sink in case it should boil over. The main from the boiler outside to the greenhouse could be run underground in a trench; these pipes to be properly covered with non-conducting material. If you desire the carnation temperature, 55 degrees say, place three lines of 2-inch pipe on each side of the frame, making each coil one flow and two return pipes. A 2-inch main from the boiler into the greenhouse will be ample for you. From the above description you should have no difficulty in arranging to heat your greenhouse.

U. G. SCOLLAY.

CATALOGUES RECEIVED.

PETER LAMBERT, Trier a/Mosel, Germany. Catalogue of 1908 novelties in roses.

HERMITTE FREIDES, Orléans (var), France. Wholesale Price List of French Bulbs.

W. MAUGER & SONS, Brookdale Nurseries, Greenwich. Wholesale Bulb Catalogue.

PECUNIES FOR 1908. THE COTTAGE GARDENS COMPANY, New York. This is so far as our knowledge extends, the broadest and most complete Pecunia catalogue which has ever been published, and it is a credit to this firm for their bold presentation of the claims of the

Pecunia for public favor and appreciation. The front cover shows a vase of Peonies with individual flowers at the four corners; the back cover, a field of Peonies in their nursery grounds. The covers are printed in a tint of Persian orange and black, and make an effective impression. The catalogue proper is lavishly illustrated; and the two center pages show eighteen types of these gorgeous June flowers. The list of varieties represents a remarkably choice selection, the results of many years' collection abroad and at home.

FIRMS WHO ARE BUILDING.

Items for insertion under this heading are respectfully solicited from our subscribers. They are published free of charge.

CHICAGO, ILL. Anton Stenski will build seven greenhouses, to cost \$12,000, at 53 Youly avenue.

LEXINGTON, KY.—Bonaker, florist, will erect a greenhouse, 30x150 feet, which will be devoted entirely to roses.

ST. LOUIS, MO. A conservatory is to be built for the Yeatman High School, Harrison avenue. The house will be of iron and glass construction, 34 feet wide, 52 feet long and 16 feet high.

WEST HILL STATION, WASH.—Sandahl & Son, nurserymen, will add two more greenhouses to their plant this Summer. The new houses will be 100 feet long, the same size as the three houses built previously, and will cost \$2,000.

Lancaster, Pa.

With the advent of June plant trade is about over in this section, and taken as whole it has been very satisfactory, as is shown by the depleted houses of our retail florists and the huge bulge of the pocket in which they carry their money.

Like most cities where markets are a feature, there is some competition in the way of prices, but not serious enough to amount to much and our regular line florists are wise enough not to recognize it.

There is, however, a competition here from some of the numerous wholesalers who have surplus stock which they put up and put on the market at wholesale prices, on the theory, I presume, that half a loaf is better than no bread. This sort of competition is greatly to be deplored and can only be overcome by the teachings of co-operation, both in our societies and through the trade papers. All successful business men are getting down to a practical basis of co-operation, and until we do the same and do it wisely and intelligently, we will never have any real standing in the business world, no matter how much we may boast of our "wonderful God-given calling"; instead, we will be like the toad in the fable and eventually blow ourselves up with conceit. ALBERT M. HERR.

Everybody here is pleased at the trade on Memorial Day; the rain kept off until the afternoon of the 30th; nearly all were working all Friday night to fill orders.

Napoleon Lemay, the Hillman street florist, was fined \$5.00 in the Third District Court here for assault on a colored man; he appealed, and furnished sureties of \$100.

California Plant Notes.

There are two varieties of moraea growing here that have come under my observation, both of which merit a wider acquaintance among lovers of plants and a more extended cultivation. *M. Robinsoniana* is a stately plant, greatly resembling *Thormium tenax*. The flowers are white, the base of the outer segments yellow, the shape salver form. In that respect they are both different and distinct from the *Iridaceae* known as iris. The flower stem is very much branched, and very slender, as compared to its height.

M. iridioides is of much smaller growth, with pretty tricolor flowers, of white, yellow and blue, which do not last a full day. A peculiar characteristic of this plant is that the flower stalks do not die away annually as do those of the iris, but seem to be perennial; certainly the plant has produced bloom now three successive seasons. Both varieties grow from short rhizomes.

The *solandra* referred to in these notes seems to be the variety *guttata* instead of *grandiflora*. Whichever one, it is worthy of a place in every garden, wherever it will live in the open.

There are two shrubs in this State known as "arcese wood," yet they do not belong to the same natural order. *Alnus occidentalis*, of the genera *Chenopodiaceae*, is a native of the San Joaquin valley, growing in soil so intensely alkaline that no other vegetation will live in it. It is beautiful in foliage, quite as attractive as *Retinispora ericoides*. The flowers are inconspicuous. The plant will stand intense heat and great drought; indeed both seem to be essential to its best appearance.

Adenostoma fasciculatum, belonging to the order *Rosaceae*, is a native of the coast range of mountains, covering their sides during April and May with its beautiful panicles of white flowers, at a distance having the appearance of California privet. P. D. B.

SALEM, OREGON.—The third annual Salem cherry fair will be held at Salem, Oregon, July 9 and 10, 1908. At the convention last July of the Pacific Coast Association of Nurserymen, a resolution was adopted saying that the second annual Salem cherry fair was the greatest and finest display of cherries known to history, and Salem was christened the "Cherry City of the World," by the association. That Salem is entitled to the name will be admitted by everyone visiting the Cherry Fair this year, as it will be much larger and better than ever. Fruit from every cherry section of Oregon will be entered for prizes, and a few are expected from Washington and California, both States being represented last year in the exhibits.

In addition to the cherries (for which a large number of silver cups are offered as premiums) there will be premiums for and displays of other fruits, as well as roses, sweet peas, Burbank's Shasta daisies and other flowers. A large number of handsome diplomas will also be offered as premiums. These diplomas are being specially prepared by one of the largest lithographing companies, and will be fine works of art that will be prized by all winning them.

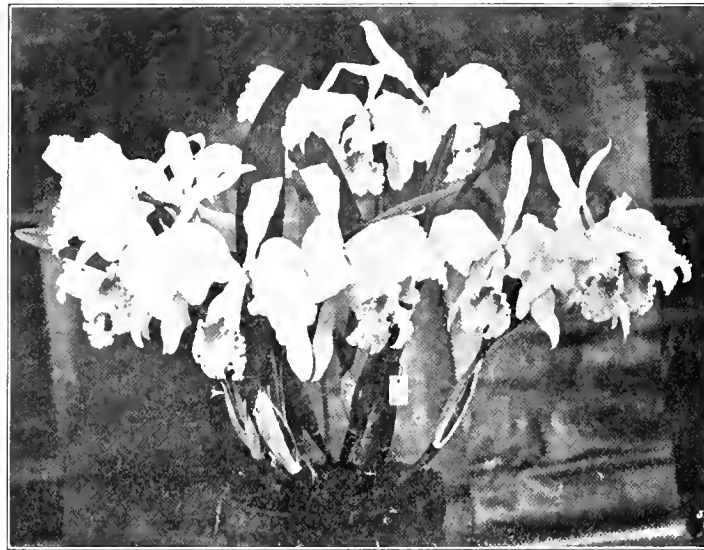
Cherry growers from all sections are urged to be present and bring fruit for exhibition. Premium list and rules will be furnished to any interested. All fruit growers, nurserymen and florists are invited to be present.

Those desiring to attend the Pacific Coast Association of Nurserymen can do so, as the two meetings are held early in July. F. W. Power,

Chairman, Cherry Fair Committee.

HOUSTON, TEXAS.—Robert Lupcke, florist, 902 Main street, and Mrs. Lupcke, have sailed for Germany, where they will spend the Summer at their old home.

DALTON, MASS.—John Shields, florist for Fred G. Crane, will sail from New York July 1, for a two months' trip abroad.



White Form of *Cattleya Mossiae*.

Grown and Exhibited by Julius Koehrs Company of Rutherford, N. J., at the June Show of the Penna. Hort. Society.

FIRMS INCORPORATED.

ATHENS, TEXAS.—The Olea Orchard Company, capitalized stock \$15,000. Incorporators: E. L. Maxmon, A. B. Mandelstamm, and E. Y. Brady.

DENVER, COLO.—The Cedaridge Orchard Company is a newly incorporated firm, capitalized at \$50,000. The incorporators are: E. D. Ewing, C. H. Pugh, and C. E. Chadsey.

Nut Notes.

Indications are favorable for a larger crop of walnuts in California than usual.

There is a wide range in the habit and growth of nut trees. In size they run all the way from the six-foot hazel bush to the monarch walnut and, as to longevity, from the ten years of an almond to the centuries of the pecan.

Some surprising figures were tabulated at the recent nut growers' meeting at Monticello, as to the average of commercial pecan orchards. In four Georgia and five Florida counties the area reported amounts to 6,885 acres or about 110,000 trees. In this tabulation none of the seedling orchards were counted.

Georgia and Florida nut growers effected a permanent organization at a meeting in Monticello, Fla., May 19 and 20. W. C. Jones, of Cairo, Ga., was elected president; A. A. Rich, of Lamont, Fla., vice-president; Ray C. Simpson, Monticello, Fla., secretary; J. B. Wight, Cairo, Ga., treasurer.

ROCKLAND, MASS.—Harry Arnold, who is designer for a firm of florists in Rochester, N. Y., has arrived home for a visit.

New Bedford, Mass.

Trade is about the same as usual. There is not much call for cut flowers just now; funeral work is very good, using up lots of flowers. Carnations are selling at 25c. and 35c. per dozen. Last Saturday was Carnation Day. Bargains were held by different firms at ridiculously low prices; the fakir in front of the Parker House was selling them at 10c. per dozen, and doing a rushing business. J. H. Cleary, on Pleasant street, was selling them at 12c. per dozen, and lots of roses, too, were sold by him cheaply. Davenport & Sons, in the Five Cents Savings Bank basement, advertised 15,000 carnations for Saturday only, at 15c. per dozen. Truly it was bargain day for the divine flower in this city on Saturday last. Roses are very plentiful; the general price for good stock is \$1.50 per dozen retail. The supply of sweet peas from indoors is shortening; the outdoor crop will soon be in. There has been, and still is, a good demand for bedding plants, especially so in geraniums; these have sold exceptionally well here this season. *Salvia* plants are in good demand. Many of the florists have had to go out of town to procure geraniums, so great has been the call. They sell at 10c. and 12c. each, according to the size of pots. William P. Peirce on Saturday had a fine window display of hydrangeas and spiraeas; it made a pleasing combination. E. Y. Peirce, on Cottage street, reports the bedding plant trade as great; he is all cleaned out of everything in that line.

Brighton, Mass.

Few rose growers in the country are better known than W. H. Elliott of Brighton, Mass., but his establishment and method of growing roses are perhaps not so well known. The Brighton place first became famous as a Mecca for asparagus growers, and, I believe, was the original establishment to build houses of special design suitable for growing this crop. Asparagus plumosus is still largely cultivated here, both for cut strings and bunches and for young plants. Asparagus Sprengeri is also largely grown, several houses being devoted to it. The output of these two products is enormous, and shipments are made to all sections of the country.

Roses are largely grown and for a number of years hybrids and other large growing varieties were cultivated, but now the varieties mostly grown at the Brighton place are Bride, Bridesmaid, Kaiserin Augusta Victoria and Liberty. The latter two varieties are grown for Summer use and there are several houses of each.

It is surprising to see Mr. Elliott's method of cropping these roses and no better time than the present could be found for noticing the different growths as the various sections of a house come in crop. What I mean is, that one bench will be in crop, another coming along with the prospects of cutting commencing just as soon as the last blooms of the bench in crop will be cut, and still another bench will be coming along later to take the place of the bench ahead of it; and so this rotation method goes on and has been found here to be the most practical for the production of high-class blooms, and especially is it the most practical for growing the Summer varieties like Liberty and Kaiserin Augusta Victoria.

As a grower of Richmond and Killarney Mr. Elliott has made his mark as a leader, for such fine blooms of the latter variety as carried off the honors at the exhibitions of the Boston Flower Growers' Association, the Massachusetts Horticultural Society and the exhibition of the American Rose Society at Chicago, had never before been exhibited to the American public. It is not at Brighton, however, that these varieties are grown, but at Mr. Elliott's New Hampshire establishment at Madbury, and I will tell about this place, where the greenhouses are famed for their size, at another time.

The growing of asparagus, and of roses for cut blooms, are by no means the only branches carried on at Brighton, for one of the special industries is the growing of marketable young plants of grafted roses. Not only does Mr. Elliott grow all the young stock which supplies his own two mammoth establishments, but many thousands are disposed of annually to growers in nearly all sections of the country. Quite a few houses are devoted

to these young plants which are at present in first class condition for planting out in benches. Our illustrations show young plants of Killarney in two sizes ready for packing for shipment, houses of the young plants with Mr. Elliott and his foreman, George Harbison, examining the plants and a house at the Madbury establishment,

where the exhibition blooms mentioned were grown and where the young stock shown was produced.

J. W. DUNCAN

Value of Leaves as an Insulator.

Editor Florists' Exchange.

Many growers are compelled to use gravity tanks for their water supply, and have been induced to buy expensive felt asbestos, or magnesia coverings, in order to evade the treacherous frosts, or serious inconveniences and losses subsequent to frozen or bursted water pipes. All such can find no better insulator than ordinary oak leaves from the woods. Of course this applies to use above ground and where the leaves are protected from the rain. Their comparative value with the costlier insulators may be gathered from the following personal observation and experience of the writer. A successful violet grower of Maryland, in order to secure the benefits of high water pressure, had his tank on a fifty foot tower. One 1 1/2-inch pipe supplied this tank and served the additional purpose of delivering the water back into the houses. The pipe was first of all wrapped with a thick felt, then costly asbestos, asbestos wool, and then alternating in the order named until the diameter over all was seven or eight inches. The whole was then wrapped with tar paper, and boxed in the usual way in 12-inch boards. The owner was assured that his pipes were protected against any temperature that might be



W. H. Elliott's Young Killarney Rose Stock. Photo by J. W. Duncan.



House of Killarney Roses at Establishment of W. H. Elliott, Madbury, N. H. Photo by J. W. D.

In this house were grown the famous flowers that captured first honors at the Chicago Show of the American Rose Society, the Boston Market Flower Show and the Spring exhibition of the Massachusetts Horticultural Society.

expected in that part of Maryland, but a cold spell of short duration, with the thermometer at some eight or ten degrees above zero, proved the fallacy of the claim. The pipe froze and burst, and the violets had to be watered by hand until repairs could be made.

Per contra, the writer's tank, thirty feet high, in an exposed position and having two pipes, one 1 1/2-inch supply, and one inch delivery, encased in ten by twelve inch pine board casing and filled with leaves, passed unharmed through this spell and even a lower temperature.

A walk through any wood when the earth is frozen will convince the most sceptical, for wherever there is a coating of leaves an inch or so in depth the earth is not frozen below. The leaves are nature's insulators and form among themselves small dead air spaces, a principle sought in the most scientific refrigeration; or, vice versa, the retention of heat.

Where this method is tried three sides of the casing should be erected in position, with pipe well centered; then the finishing board for the fourth side cut into lengths of not over six feet, so that the leaves can be packed tightly with a stick until each section is filled to the top, where shorter boards will be necessary in order to pack securely.

Care should be observed in avoiding holes through which mice, rats or flying squirrels might enter and make nests, thus creating an opening for frost.

A box so constructed, and wrapped neatly with twofold tar paper, will prove a boon to the man who has had troubles for which this may prove a remedy.

The size of the wood casing should be increased when temperatures below zero may be expected. J. L. C.



House of Young Plants of Roses Killarney and Kaiserin Augusta Victoria.

Photo by J. W. Duncan.

Grower, Wm. H. Elliott, Brighton, Mass.

GRAFTED ROSES

2500 KILLARNEY, 4-in. pots, \$20.00 per 100; \$150.00 per 1000.

Chrysanthemum Stock, 2 1/2 in. pots

PINK	Per 100	YELLOW	Per 100	WHITE	Per 100
A. J. Balfour	\$2.50	Col. D. Appleton	\$2.50	Ivory	\$2.25
Pacific	2.25	Gold Mine	4.00	Alice Byron	2.25
Maud Dean	2.50	Monrovia	4.00	Mrs. Henry Robinson	2.50
Mrs. Coombs	2.50	Major Bonnaffon	2.25	Beatrice May	5.00
Pink Ivory	2.25	October Sunshine	2.50	Polly Rose	2.25
CRIMSON	Per 100	Yellow Eaton	3.50	Timothy Eaton	2.50
Black Hawk	\$2.25			White Dean	3.50
John Shrimpton	2.25			Yanoma	3.00
Mrs. Partridge	4.00				

EDWARD J. TAYLOR, Greens Farms, Conn.

ROSES

From now on our whole time will practically be devoted to preparing for next season—young stock to plant and old stock to trim and mulch in readiness for a new start. June is undoubtedly the best month to get the work under way. Of course, all the compost heaps should be turned over at least once by this time, and every place should afford an old soil to keep enough soil covered in stormy weather to use as necessary. Wheeling in and leveling wet soil is a disagreeable job, and scratching over the beds after the weeds start is still worse, so that the cost of the canvas is made up in one season. It will last some time if it is taken care of and given a coating of oil once a year to keep the cord with which it is stitched from decaying.

After removing all the plants and old soil make sure to wash out every corner of the benches well; then give a good heavy coating of hot lime. A little straw should then be spread to keep the soil from going through the drainage. Put on the lime while the bench is still wet.

Never allow the benches to remain empty very long if they are to last, as the hot sun takes the life right out of the wood. For shading the glass while this work is going on there is nothing better than whitening and water, as the first rain will remove it, and it is not injurious; it will not affect the paint like lime.

If possible, have at least 5 1/2 inches of soil in the benches, the edges being well packed and the beds nicely leveled off. Bride and Bridesmaid should be planted about 15 or 16 inches apart; American Beauty 18, and Richmond and Killarney 14 to 15, as these produce little blind wood, and can thus be planted a little closer. With this space between the plants a 32 to 36-inch bench should only have three rows of plants.

Never plant a dry plant; the ball should always be nice and moist, and do not allow the plants to be out of the pots too long before planting as this is bad for the roots. Firm the soil around the ball well, being careful that no holes are left. Pounding with a brick, however, should not be resorted to; that was the custom years ago, but we have outgrown it.

After planting soak the whole bench, after which water only the ball of the plant as necessary. Syringing will keep the soil between the plants moist enough. As soon as possible, go over the beds and break up the lumps; this is best done by hand, as when a weeder is used by a careless man the plants may be barked and injured forever.

Keep the ventilators open full night and day on all the houses, when the weather permits; this will make the young stock sturdy and help the size of the flowers on the old plants.

Fumigate regularly when cool enough. Tobacco stems will be found more effective and cheaper for young plants, but be careful the soil is moist, or rather the plants are not dry at the root, and never allow the stems to blaze or the plants will get scorched.

Philadelphia.

Mr. Wm. L. Schaeffer, 227 No. 16th street, reports that Memorial Day business was much better than any he has experienced during the past forty years. At this time his entire force is busily engaged in turning out a number of funeral designs, orders for which he thinks he is getting more of than any other florist in town. Mr. Schaeffer is noted for originality in this class of work and makes up all designs from his own ideas, with the result that he holds his trade for years. His window display attracts considerable attention.

Mr. John G. Eisele, 1031 Columbia avenue, is one of the busiest florists on the avenue; he reports good business in design work and also sells large quantities of potted stock, of which he has a specially fine supply.

The local florists were very glad to supply single carnations last Saturday, June 6, in remembrance of William McKinley, whose bronze statue was unveiled on City Hall Plaza in the presence of the city fathers and the local Grand Army veterans; a large number of those present wore the flower so well liked by Mr. McKinley.

Mr. Chas. H. Campbell, 3601 Germantown avenue, has received more design work and wedding decorating this year than any year for the past five, and has a big order for a wedding this week. The stock of geraniums shown in his greenhouses is of special interest to those wanting the very best to be had.

Harry Alger, at 20th and Atlantic streets, Tioga, is kept very busy at this season with landscape work, and is also doing nicely in funeral work, with considerable call for potted stock for bedding.

John A. Ehrler, 2138 Bellevue avenue, is doing lots of landscape work and has several assistants busily engaged. Mr. Ehrler has quite a reputation among the neighbors in that they can get anything in the flower line from his place and some rather hard orders are thrown his way.

The florists located in our residential districts have considerable cause for complaint when the huxter or fakir either uses a push cart, or drives a wagon through the street, calling at every house and selling potted stock at prices lower than the retailer pays for his, but the goods sold by the fakir are not usually of much value, and, in the end, the retailer is requested to call and replant, or else the house-keeper throws out the whole bed.

John G. Eisele, 3325 No. 20th street, is one of the oldest florists in the city and is very well known by all the trade as a grower and retailer, controlling a large amount of the business in his part of the town. Mr. Eisele tells of a trip across the ocean a few years ago, and said he expected to see men engaged in the flower trade, but that all he saw were girls selling flowers, and he sometimes got up very early in the morning to see how they did business there.

Wm. C. Smith, located at 61st and Market street, was very busy packing and making ready for shipment a large order of ferns in 12-inch tubs for decorative purposes at Atlantic City; he has been in Asbury Park for a few days looking after more orders there.

Otto Didden, Cemetery Lane, West Philadelphia, has at last finished the 26-foot launch, which he has been working on during the winter, and will soon be in position to take his friends down the river on short trips, and Otto certainly does do things up right.

Mr. LeGierse, 4653 Lancaster, is importing a new fern, and expects same to arrive shortly.

Mr. Chas. Meehan, of Pennock-Meehan Company, has been laid up for several days, but is expected back soon.

Mr. Tanner, of Richmond, Va., a grower and retailer, has been in town calling on the trade and friends.

W. E. McKissick Company are the first of the commission houses to close at six o'clock; this rule started June 6.

Leo Niessen Company has some of the best outdoor sweet peas that they have had this season, and report some good business in this stock; they are receiving from 40 to 50 thousand daily.

LeGierse Bros. are now spending their spare time boating on the river in their new launch, the "Three Brothers," which they made in their odd moments last winter; by all accounts they are having some good times.

BIG BARGAINS IN LEEDLE ROSES

Splendid one and two-year-old

Hybrid Perpetuals

	21-2 in.	21-2 in.	4 in.
	100	1000	300
Anna de Diesbach	\$3.00	\$30.00	\$5.00
Ball of Snow	3.00	30.00	5.00
John Hopper	5.00	50.00	5.00
Madame Masson	5.00	50.00	5.00
Madame Plantier	5.00	50.00	5.00
Martin Charita	5.00	50.00	5.00
Margaret Dickson	4.00	40.00	7.00
Mrs. John Latour	5.00	50.00	5.00
Paul Neyron	3.50	30.00	5.00

Hardy Assorted

Anny Muller (Pink Baby Rambler)	5.00	45.00	15.00
Mme. Norbert Levayavassour (Crimson Baby Rambler)	2.50	25.00	5.00
Hermosa (Bourbon)	2.75	27.50	5.00
Sonye de la Malmaison (Bourbon)	3.00	27.50	5.00
Moss, red, pink and white	4.00	40.00	8.00

Hardy Climbers

Baltimore Belle	2.50	25.00	5.00
Crimson Rambler	2.50	25.00	5.00
Debutante	2.50	25.00	8.00
Dorothy Perkins	2.50	25.00	8.00
Hawatha	2.75	27.50	5.00
Leady Gay	2.50	25.00	5.00
Philadelphia Rambler	2.50	25.00	5.00
Pink Rambler (Raphosyne)	3.00	25.00	5.00
South Orange Perfection	2.50	25.00	8.00
Tennessee Belle	2.50	25.00	5.00
Universal Favorite	2.50	25.00	8.00
Wichitania (Memorial)	2.50	25.00	5.00

Hybrid Teas

Antoine Viretre	2.75	27.50	6.00
Antoine Verdier	2.50	25.00	6.00
Bessie Brown	2.75	27.50	6.00
Etoile de France	3.50	35.00	6.00
Kaiserin Augusta Victoria	3.00	30.00	6.00
KAISERIN GOLDIOLA	20.00	175.00	50.00
Rosalind Orr English	3.00	30.00	6.00
Sonye de Pres, Carmel	3.50	30.00	6.00
Striped La France	3.00	27.50	6.00
White La France	3.00	27.50	6.00

Teas

Bongre	2.50	22.50	8.00
Christine de Neve	2.75	27.50	6.00
Etoile de Lyon	3.00	27.50	6.00
Mme. Lombard	2.75	27.50	8.00
Mlle. Francaise Krugel	2.50	25.00	6.00
Maman Cochet (Pink)	3.00	27.50	6.00
Mme. Guillot	2.50	25.00	6.00
Sunrise	1.00	35.00	6.00
Sunset	1.50	35.00	6.00
White Bourge	2.75	27.50	6.00

Climbing T., H. T. and N.

Climbing Kaolin	1.00	27.50	6.00
Empress of China	2.50	25.00	6.00
Mme. Wagner	3.00	30.00	6.00
Mrs. Hal Nod	1.50	30.00	6.00
Mary Washington	2.50	25.00	6.00

Vinca Variegata

Strong, 21-in., \$2.25 per 100, \$20.00 per 1000.



ROSES OWN ROOTS

2 1/2 in. pots in fine condition for forcing or outside planting.

Baby Rambler	\$2.50 per 100.	Maman Cochet	\$2.75 per 100.
Clothilde Soupert		White Cochet	
Mme. Cecile Bertbad		Yellow Cochet	
Safrano		Helen Gould	
Snowflake		Bessie Brown	
Mosella		Climbing Kaiserin	
Isabella Sprunt		Meteor	
Coq. De Lyon		Papa Gontier	
The Bride		Gruss an Teplitz	
Bon Silene		Hermosa	
D. of Brabant		Sunrise, 100	\$3.50
Queen's Scarlet		Etoile de France, 100	\$3.50
Crimson Rambler	\$3.00 per 100.	Joe Hill, 100	\$4.00
Kaiserin		Helen Good, 100	\$5.00.
Perle des Jardins			
Magnafranco			

HYDRANGEA, Arhorecens Grandiflora alba, 2 1/2 in. pots, \$6.00 per 100; \$50.00 per 1000.

John A. Doyle, Springfield, O.

ROSE PLANTS

Own roots, 3 1/2-in. pots; ready June 15. 2000 BRIDES, \$6.00 per 100; \$50.00 per 1000.

2000 BRIDESMAIDS, \$6.00 per 100; \$50.00 per 1000.

RICHMONDS. Ready now; from 2 1/2-in. pots, \$5.00 per 100; \$45.00 per 1000.

Ready now, 2500 BRIDES, 2-in. pots, \$3.00 per 100; \$25.00 per 1000.

2000 KILLARNEY, 3-in. pots, \$8.00 per 100.

THE LEO NIESSEN CO. Wholesale Florists 1209 Arch St., Philadelphia, Pa.

ROSES

Strong, clean stock. Grafted Killarney, Richmond, Brides and Maids, \$12.00 per 100; \$110.00 per 1000. Own roots, Brides, Maids, Gates, Ivory, Perle, Killarney and Richmond, \$6.00 per 100; \$55.00 per 1000, all from 3 1/2 in. pots.

P. R. QUINLAN, Syracuse, N. Y.

Commercial Violet Culture

PRICE, \$1.50 THE FLORISTS EXCHANGE, 2-Duane St, New York

FOR SALE IMMEDIATE DELIVERY

2500 Maids 2500 Brides

4-inch pots, own Roots.

\$6.00 per 100; \$55.00 per 1000.

Apply

WELCH BROS., 226 Devonshire St. BOSTON, MASS.

ROSES Own Roots

Brides, Bridesmaids, Richmonds, 3 in. pots, \$6.00 per 100; \$50.00 per 1000. Strong selected stock. Ready now.

S. J. REUTER & SON, Inc., WESTERLY, R. I.

Mr. O'Connell, of the Overbrook Nurseries, reports very busy times and employ time wagons hauling soil around town; cutting about 20,000 feet daily. These nurseries raise more Oriental Plane trees than any other in the country, and endeavor to give the largest stock to be had; they recently filled an order for one thousand 3 inch trees to be used in New York. Mr. O'Connell has the city contracts for street and park work and keeps a large force of men employed all the time.

The Florey Gardens are building and have ready for the glass two houses which will be 300x30 feet when completed.

Alfred Campbell reports fair business in green goods and has always a good stock on hand.

The Bellevue-Stratford flower shop reports a fair business in sprays and cut flowers to the patrons of the hotel, and also some outside weddings and funeral work. P. M. R.

Indianapolis.

Trade News.

No one is disappointed in regard to the number of June wedding decorations this year. There have been no exceptionally large ones, but a good general average atones for this. Brides' bouquets and the various belongings are being ordered in generous quantities.

Funeral work of late has been disastrously light, and white stock, such as Harrisii lilies, is left untouched. Another spell of extremely warm weather has put thousands of blossoms upon the market for which there is no sale, as counter trade has fallen to a very low level for so early a date.

Recent high school graduations called for thousands of red roses and daisies, the patronage for same being held by the various retailers. Good grades of carnations are being offered at \$1.50 to \$2.00 a hundred; small and medium grades, 75c. to \$1.00 a hundred. There is not much satisfaction in the rose business just now, as they open up too quickly to derive any profit from them. About 50 per cent. are sold and the remainder goes to waste. Beauties, perhaps, are farthest removed from this condition, and the prices remain firm. Garden roses, Madame Druschki, Crimson Rambler, Prairie Queen and others find much favor in table decorating by those wishing exceptional arrangements. I. B.

SMILAX

Strong 2 1/2 in. pots, \$1.75 per 100; \$15.00 per 1000.

SEEDLINGS, 25c. per 100; \$2.00 per 1000.

WILLIAM LIVESEY, McCABE STREET, NEW BEDFORD, MASS.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire IOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

63-71 Metropolitan Ave., BROOKLYN, N. Y.

AFTERGLOW

Strong Rooted Cuttings now ready \$12.00 per 100; \$100 per 1000.

R. WITTERSTAETTER (Originator) Station F. CINCINNATI, O.

JOHN E. HAINES BETHLEHEM, PA.

Is the place to order rooted cuttings of the following varieties for 1908: John E. Haines, red Imperial, variegated Pink Imperial, pink Einchantress, light pink \$6.00 per 100 \$50.00 per 1000 Place orders early for December delivery.

GERANIUMS 2 in. S. A. Nutt, \$20.00 per 1000; \$2.25 per 100; rooted cuttings, \$12.00 per 1000; \$1.25 per 100. VARIEGATED VINCA, rooted cuttings, \$10.00 per 1000. Cash with order.

S. N. PENTECOST 1790-1810 East 101st St., CLEVELAND, O.

Asparagus

Sprengeri, very strong, 3 in., ready for 6 in. before repotting, \$5.00 per 100.

ASPARAGUS Plumosus Nanus, 4 in., \$6.00 per 100.

VINCA, Minor, 3 colors, 2 in., \$2.00 per 100.

GERANIUMS, Mme. Salleron, 2 in., \$2.50 per 100

SINGLE HOLLYHOCKS, fine strain, strong 2.00

COBÆA Scandens, 2 in., \$2.50 per 100.

CENTAUREA Gymnocarpa (Dusty Miller) 2-in. \$2.00.

Cash with order, please.

GEO. J. HUGHES Berlin, N. J.

PLANTS FOR 2cts.

Swainsona alba, 2 in., 2c. Feverfew, 2 in., 2c. Vinca var., Alternanthera, red and yellow; Stock Princess Alice, 2 in., 2c. Stevia, dwarf, 2 in., 2c.

Fuchsias, 8 kinds, 2 in., 1pc. Sweet Alysium, Single dwarf 2 in., 1pc. Ivy Geraniums, 2 in., 2pc. Rose Geraniums, 2 in., 1pc. Geraniums, 5 fine kinds, 2 in., 2c. Shasta Daisies, California, Alaska, 2 1/2 in., 3c. Double Petunias, 5 kinds, 2 in., 1pc. Thunbergia, 2 in., 1pc.

Asters, Samples, \$2.50 per 1000.

ROOTED CUTTINGS below prepaid per 100. Vinca Variegata, 10c. Flowering Begonias, \$1.25. Coleus, 10 kinds, 60c. Alternanthera, 3 kinds, 50c. Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

CHRYSANTHEMUM CUTTINGS FOR SALE

ENGUEHARD, BONNAFFON, WANAMAKER, POLLY ROSE, APPLETON, TOUSET, MONROVIA, \$1.50 per 100.

QUIDNICK GREENHOUSES, Quidnick, R. I. Anthony P. O. J. H. CUSHING, Prop.

CHRYSANTHEMUMS

from 2 1/2 in., \$2.50 per 100; \$22.00 per 1000. Polly Rose, Glory of the Pacific, Ivory, Appleton, Enguehard, Bonnaffon.

SMILAX, from 2 1/2 in., \$2.00 per 100; \$18.00 per 1000.

ASPARAGUS Sprengeri, 4 in., \$6.00 per 100.

C. A. Peterson, 196 MAIN STREET MADISON, N. J.

Carnation Plants

FIELD-GROWN Chicago Carnation Co., A. T. Pyter, Mgr. JOLIET, ILL.

CARNATIONS

Rooted Cuttings, No. 1 stock. White Lawson, Lady Bountiful, \$2.50 per 100, \$20.00 per 1000.

Queen, Pink Lawson, \$1.50 per 100; \$15.00 per 1000.

Harlowarden, \$1.50 per 100; \$15 per 1000.

Enchantress, \$2.00 per 100; \$18.00 per 1000.

White Perfection, \$2.50 per 100; \$22.50 per 1000.

Cash with order or satisfactory references, SMITH & GANNETT, GENEVA, N. Y.

A. F. LONGREN

Rooted Cuttings and Plants of Carnations and Chrysanthemums My Specialty DES PLAINES, ILL.

Jensen & Dekema

CARNATION SPECIALISTS 647 W. Foster Ave., CHICAGO

CARNATIONS

F. DORNER & SONS CO. LAFAYETTE, IND.

GERANIUMS

Nutt, Ricard, Grant, etc., 3 1/2 in. pots, \$3.50 per 100. Other leading plants, cheap for cash.

EAST SOMERVILLE GREENHOUSES, SOMERVILLE N. J.

CHRYSA NTHEMUMS

For Every Purpose. A card will bring our Illustrated 1908 Catalogue. ELMER D. SMITH & CO., Adrian, Mich. Successors to Nathan Smith & Son.

SURPLUS STOCK

GERANIUMS, 4 in., Nutt, Ricard, La Favorite, Viaud and other strong, stocky plants, 6c.

MOON VINE, 4 in., 8c.

COLEUS, 3c.

NASTURTIUMS, 3c.

VINCA Variegata, 4 in., 7c.

IVY, English, 3 in., 1c.

ENGLISH IVY

Fine plants out of 4-in. pots, 3 and 4 feet long, bushy, 2 and 3 plants in a pot, at \$1.00 per 100.

CANNAS, leading varieties, out of 3-inch pots, \$4.00 per 100. Cash with order.

CHAS. ZIMMER WEST COLLINGSWOOD, N. J.

GERANIUMS

Nutt, Doyle, Ricard, Buchner, Viaud, Poitevine, Mme. Salleron, 3 in., \$3.00 per 100; 4 in., \$5.00 per 100.

COLEUS, Golden Bedder, Verscheffeltii and fancy colors, 2 in., \$1.50 per 100.

ASTERS, STOCKS, PHLOX, 2 in., \$1.00 per 100.

AGERATUM, Gurney, 2 in., \$1.50 per 100.

HELIOTROPE and FUCHSIAS, 2 in., \$2.00 per 100; 3 in., \$3.00 per 100.

ASPARAGUS Plumosus and Sprengeri, 4 in., \$5.00 per 100.

Cash with order. ERNEST HARRIS, Delanson, N. Y.

GERANIUMS

GERANIUMS, in bud and bloom, S. A. Nutt, Beaute, Poitovine, A. Ricard, John Doyle, Mme. Jaulin, 3 1/2 in. pots, \$5.00 per 100.

HELIOTROPE, Chieftain and Queen of Violets, 3 1/2 in. pots, \$5.00 per 100.

BEGONIA, Rex and Metallica, 3 in. pots, \$1.00 per 100.

PELARGONIUM Victor, 2 1/2 in. pots, \$3.00 per 100.

ROSE GERANIUMS, 3 1/2 in. pots, \$5.00 per 100.

NASTURTIUMS, 3 in. pots, \$2.50 per 100.

SALVIA Splendens, CUPHEA (Clear Plant), AGERATUM, dwarf blue, VINCA Variegata, HELIOTROPE, Chieftain and Queen of Violets, 2 1/2 in. pots, \$2.00 per 100.

PHLOX Drummondii, 3 in. pots, \$2.50 per 100. Cash with order.

WM. J. CHINNICK, - Trenton, N. J.

GERANIUMS

NUTT, BUCHNER, RICARD, JAULIN, 3 in. pots, \$1.00 per 100.

Rooted Cuttings, NUTT, BUCHNER, RICARD, POITEVINE, TREGO, \$10.00 per 1000.

Cash with order. PETER BROWN, Lancaster, Pa.

GERANIUMS

4 in. in bud and bloom, \$5.00 per 100. Selection of sorts to remain with us. Cash with order.

J. E. FELTHOUSEN 154 Van Vranken Ave., SCHENECTADY, N. Y.

Geraniums

Nutt, Ricard, Grant, etc., 3 1/2 in. pots, \$3.50 per 100. Other leading plants, cheap for cash.

EAST SOMERVILLE GREENHOUSES, SOMERVILLE N. J.

CHRYSA NTHEMUMS

For Every Purpose. A card will bring our Illustrated 1908 Catalogue.

ELMER D. SMITH & CO., Adrian, Mich. Successors to Nathan Smith & Son.

FERNS

MY SPECIALTY

MILLION AND A HALF of FERN SEEDLINGS in 20 or more of the best commercial varieties, ready for delivery during June and July.

State your wants early and get special quotations. Stock the best. You will be pleased, or money refunded.

Assorted Ferns for Jardinieres, healthy and bushy, none better, in 12 best varieties from 2 1/2 in. pots, \$2.50 per 100; \$25.00 per 1000. 3 in., \$5.00, 4 in., \$12.00 per 100.

Adiantum Farleyense, fine stock, from 2 in. pots, \$10.00 per 100; \$95.00 per 1000.

Adiantum Concumatum, 2 in., \$1.50 per 100, \$30.00 per 1000, 3 in., \$5.00, 4 in., \$12.00 per 100.

Fern Spores, gathered from my own stock guaranteed fresh, and true to name, in 24 best commercial varieties, 30c. per trade pkt. \$3.00 per dozen.

J. F. ANDERSON SHORT HILLS, N. J.

FERNS

Boston Ferns, 2 1/2 in., \$3.00 per 100.

Boston and Scottii, 4 in., 15c., 6 in., 40c. and 50c. each.

ASPARAGUS Plumosus, 2 1/2 in., \$3.50 per 100.

ASPARAGUS Sprengeri, 2 1/2 in., \$3.00 per 100.

FERNS, in nice assortment, \$8.00 per 100; \$25.00 per 1000.

AGERATUM, blue, Mme. Salleron.

GERANIUMS, 2 1/2 in., \$2.50 per 100.

H. WESTON Hempstead, New York

FINE FERNS FOR JARDINIERS

Very bushy and in best varieties Liberal count on all orders. 2 1/2 in. pots, \$3.00 per 100, \$25.00 per 1000.

Asparagus Plumosus Nanus, 2 1/2 in. pots, \$3.50 per 100, \$30.00 per 1000.

Thomas P. Christensen, SHORT HILLS, N. J.

Nephrolepis Amerpohli

Philadelphia Lace Fern \$12.00 per 100; \$100.00 per 1000

WILLIAM P. CRAIG 1305 Filbert St., PHILADELPHIA

FERNS IN FLATS

All the leading varieties, 110 clumps in a flat, can be divided. Ready July 1.

Prices and terms on application.

EMIL LEULY 528 Summit Avenue W. Hoboken, N. J.

FERNS

For Jardinieres, strong healthy plants, 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate. 3 in., \$5.00 per 100; 4 in., \$12.00 per 100.

FRANK N. ESKESEN, Main Street Madison, N. J.

NEPHROLEPIS

WHITMAN, 2 1/2 in., \$5.00 per 100; 3 1/2 in., \$25.00 per 100.

FERNS, Boston, 2 1/2 in., \$3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

POT GROWN

EGG PLANTS, strong, \$2.00 per 100.

TOMATOES, Stone and Earliana, \$2.00 per 100.

Strong plants shipped in paper pots. Cash.

GEO. J. HUGHES, Berlin, N. J.

CLASSIFIED ADVERTISEMENTS

Cash with order. The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

SITUATIONS WANTED

SITUATION WANTED--First-class designer and decorator, able to take charge of a place. Years of experience, best references. State salary. F. Pierson, Westbury, R. I.

SITUATION WANTED--By first-class working foreman; Swiss, 39, married. Roses, carnations, chrysanthemums and all pot plants and bulbs. Address: T. G. F., 134 East 16th street, New York City.

SITUATION WANTED--As foreman by experienced rose grower on first-class commercial place; references unexcelled. Neighborhood of New York. Address, Eastern, care The Florists' Exchange.

SITUATION WANTED--As working foreman, good grower in all branches; not afraid of work, single, good references. Address, A. Ewald, care Van Cott, 565 Lyell avenue, Rochester, N. Y.

SITUATION WANTED--By married man, as foreman on up-to-date place. First-class grower of cut flowers and general stock. Experienced manager, good references. Address, X, care The Florists' Exchange.

SITUATION WANTED--By a young man, 18 years of age, where he can improve himself at the business. Has some experience in the growing of pot plants and designing. High wages not expected, but good treatment. East preferred. Address, E. Weidner, 116 Stetson street, Fall River, Mass.

SITUATION WANTED--Young man, 26, single, 12 years' experience in greenhouse and landscape work, wants position on private estate. Is sober, reliable and comes well recommended. Please state particulars. Address, G. Janov, care Lewiston, Ardley, N. Y.

SITUATION WANTED--By German, 35, several years' experience in carnations, chrysanthemums and general line of greenhouse plants. Good potter, sober and industrious. Best references. State wages per week. Address, M. P., care The Florists' Exchange.

SITUATION WANTED--By a German, 38, small family, life experience, good grower of carnations, chrysanthemums, ferns, palms, roses, blues, bulbs and general pot plants. Good worker, sober, first-class references. Over five years as foreman in last situation. State wages and particulars. Neighborhood of Boston preferred. Address, H., care The Florists' Exchange.

HELP WANTED

WANTED--Foreman, must have general knowledge of wholesale and retail business; must come with good references. None but first-class man considered. A. L. Miller, Jamaica avenue, opp. Schenck avenue, Brooklyn, N. Y.

WANTED--For a New York wholesale cut flower house, a young all-around energetic florist, familiar with the New York City trade. One who is able to take charge, must come well recommended. A good opening for the right party. Address, M., care The Florists' Exchange.

WANTED--Sober, reliable, young married man; good designer and capable of taking charge of retail and packing department for 40,000 feet of glass. No book work. Permanent position for energetic young man. Wages, \$15.00 per week. J. F. Annam, Edwardsville, Ill.

WANTED--Working foreman, to take charge greenhouses of 45,000 feet of glass; middle Pennsylvania. Must be thoroughly experienced grower of roses (particularly American Beauty, Bride, Bridesmaid, Killarney and Richmonds), carnations, chrysanthemums, etc. Good dwelling house free. Wages to start, \$65.00 per month, with increase if results are satisfactory. Must be sober, energetic, with ability to handle men. Address, giving age, experience and references, Killarney, care The Florists' Exchange.

MISCELLANEOUS WANTS

WANTED--Quantity good second-hand wrought-iron pipe, 1, 1 1/2, 2, 2 1/2 in. Elwood Brand, Madison, N. J.

WANTED--50 Fran Karl (Donsch) roses out of 3 1/2-4 1/2 in. pots, at once. State price. W., Box 204, Goshen, N. Y.

WANTED--8000 American Beauty Plants, 2 1/2 or 4 in. pots. Quote me price or portion thereof. Elwood Brand, Madison, N. J.

WANTED TO BUY--Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED TO BUY--Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, F. X., care The Florists' Exchange.

I Am Prepared to Buy FORCED BULBS

In the Following Varieties:

- NARCISSUS. Golden Spur.
TULIPS. Keiserkroon, Prince of Austria, Murrillo (double), La Reine.
HYACINTHS. White Roman.
Apply in first instance, with lowest price to

BULBS, CARE THE FLORISTS' EXCHANGE

FOR SALE OR RENT

FOR SALE--At Madison, N. J., three greenhouses, stocked with roses, dwelling house, seven rooms and bath; five minutes from station; three minutes from freight station; city water. Inquire, Mrs. M. B. Maguire, 21 Keep street, Madison, N. J.

FOR RENT--Castle Grove Greenhouses, Danville, Pa. Beautiful construction (Hitchcock), prime condition, stocked with roses, carnations, chrysanthemums, etc., 50,000 feet glass, good local trade. Easy access to city markets and dwelling house. Terms reasonable. Address, E. S. Macdonald, 50 Church street, New York City.

FOR SALE--Greenhouses. About 30,000 feet of glass in first-class condition, well stocked with roses, fine location for retail trade. Handy to Boston market for wholesale, chance of a life-time. Reason for selling: all my time is taken up with other business. Write for particulars or call and see them. Address, H. P. Crawford, Mentello Station, Brockton, Mass.

FOR SALE--Chance of a lifetime. On account of my husband's death, I desire to sell the business and property which consists of eight hot-houses filled with different plants as the market here requires. Also out-lot with eight rooms and barn, five acres of land in good condition, besides hotbeds and two hot-water boilers in good condition. If interested, please address, Mrs. Hugo Cook, 10 College street, Worcester, Mass.

Thirty cents is the minimum charge for advertisements on this page.

FOR SALE OR RENT

TO LEASE

FOUR GREENHOUSES, containing about 40,000 feet of glass; in good running order. Fine place for wholesale and retail trade. N. F. MCCARTHY & CO., 84 HAWLEY STREET BOSTON, MASS.

FOR SALE OR RENT

The florist business of Chas. Schuck & Brother. This is one of the best paying establishments in Philadelphia. The plant consists of eight greenhouses, steam heated store, dwelling and stable. Established twenty-five years. References to this business can be had from any florist or seed house in Philadelphia.

CHAS. SCHUCK & BROTHER, 2441 to 2457 N. Eighth St., PHILADELPHIA, PA.

MISCELLANEOUS

GREAT CHANCE for florist to go in business with small amount of money. Write F. H. Baker, Stafford Springs, Conn.

WANTED--To buy several large Agave Americana Variegata, about 4 ft. high from top of tub. Address, stating price, Berryhill Nursery, Harrisburg, Pa.

FOR SALE--Twenty shares of stock in the A. T. De La Mare Printing and Publishing Company--publishers of the Florists' Exchange. Price \$45.00 per share in lots of five or more shares. Apply to R. Irving Outwater, 15 Exchange Place, Jersey City, N. J.

STOCK FOR SALE

VIOLET MARIE LOUISE, No. 1 sand rooted cuttings. For sale. Write for prices. Alva Bishop, P. O. Box 163, Rühbeck, N. Y.

DOUBLE LOBELIA, Kathleen Mallard, 2 1/2 in., full of bloom, 4c. Mignonette, 2 1/2 in., in bloom, 2 1/2c. J. L. Stone, Truansburg, N. Y.

SALVIA ZURICLI, in bud and bloom, 4 in., \$6.00 per 100; 3 in., \$3.00 per 100; 2 in., \$2.00 per 100. The Krueger Brothers Company, Toledo, O.

SWEET POTATO PLANTS, now ready. Big stems. Yellow Nansmond or Yellow Jersey, \$1.50 per 1000; by mail, 30c. per 100. H. Austin, Felton, Del.

VINCA, variegated and green, extra heavy. 4 1/2 in., 15c.; 2 1/2 in., good, 2 1/2c. Colons Verschaffelt and line assorted, 2 in., strong, \$2.50, cash. L. E. Marquisse, Syracuse, N. Y.

ASTER PLANTS, all the fancy leading varieties, in separate colors or mixed, transplanted 50c. per 100; \$4.00 per 1000 for A No. 1 stock. Paul Thomson, West Hartford, Conn.

GERANIUMS, 10,000 plants to select from. Nutt, Poitevine, Laundry, Buchner and other varieties, \$6.00 per 100; out of 4-in. pots. Packed light. Cash with order. Edw. Medler, Orchard Park, N. Y.

GEOPHILEPS WHITMANI, extra fine runners, well rooted, \$3.00 per 100, \$25.00 per 1000. Express paid to all points within 500 miles of Rhode Island. Cash with order only R. L. Greenhouses, Pawtucket, R. I.

CARNATIONS, field grown, Einhandress and Windsor, on and after July 1. Only a few left. To close out quick, \$55 out per 1000. Cash or good reference with order. Wamska Greenhouses, Barneyville, N. Y.

FLORISTS' Commercial Branching Asters, field grown, ready to plant; white, shell pink, purple and rose, \$2.50 per 1000. Cash. Proper packing; prompt shipment. A. & G. Boshach, Fenelton, N. J.

CHRYSANTHEMUMS, R. C. Bonnaffon, 1st Enuehard, \$10.00 per 1000; unrooted, \$5.00 per 1000. Stevia, R. C., \$10.00 per 1000. Cash with order, please. Jacob Kol, Walnut street and Avondale road, East Nutley, N. J.

TOMATO PLANTS, Acme, Pandorosa, Fashion, Stone and others, \$2.00 per 1000, \$20.00 per 10,000. Lettuce plants at same price. About 50,000 Egg and Pepper Plants, pot grown, \$1.00 per 100. Cash. Harlowarden Greenhouses, Greatport, N. Y.

PEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2 1/2-inch pots, \$12.00 per 100; \$110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standard. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

The book of WATER GARDENING By Peter Bissat. Price, postpaid, \$2.50. A. T. DELAMARE PIG. & PUB. CO., LTD.

STOCK FOR SALE

VINCA, 2 1/2 in., \$2.50 per 100; \$20.00 per 1000; 3 in., 6c., 3 1/2 and 4 in., 7c. to 10c.; all long and heavy vines. Asparagus Sprenger, 3 1/2 in., 6c., 4 in., 7c.; strong. Double Nasturtium, 2 1/2 in., 2c.; R. C., 1 1/2c. Chrysanthemums, White--Estelle, Timothy, Eaton, Polly Rose, Tonsor, Willowbrook, Ivory, Byron, Robinson, J. Jones, Numb, Pink--Pacific, Ivory, Robinson, Lizer, Eugenehard, Yellow--Monovin, Hobbday, Bonnaffon, Appleton, 2 1/2 in., \$2.25 per 100; R. C. \$1.25 per 100. Geraniums--S. A. Nutt, double grant, Buchner, Poitevine, Trege, etc., 3 in., 4c.; 3 1/2 and 4 in., 6c. to 8c.; Ivy Geraniums, 2 1/2 in., 3c.; 3 in., 5c.; 3 1/2 and 4 in., 6c. and 8c.; Fuchsias, 2 1/2 in., 3c. Also offer bedding plants, Stafford Floral Company, Stafford Springs, Conn.

FOR SALE

TOBACCO DUST, \$2.50 per 100 lbs.; in case lots, about 350 lbs., 2c. per lb. Tobacco stems, \$2.00 per bale, about 400 lbs. Cash with order. S. R. Levy, Binghamton, N. Y.

FOR SALE--A large consignment of 16x24 double thick American glass, A and B quality. For further information write Parselsky Brothers, 50 Montrose avenue, Brooklyn, N. Y.

FOR SALE--Greenhouse material and hotbed sash, milled from Gulf Cypress, to any detail furnished. Oxford party, specially made for greenhouses and hotbed sash. V. E. Reich, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE--500 boxes 10x12 and 10x14 in. double thick glass; 5,000 feet 4-in. cast-iron pipe; 3,000 feet 1 1/2 and 2 in. wrought iron pipe; 300 hotbed sash, size 3x6 with 10x12 glass; two No. 17 Hitchings boilers; one No. 8 Furman sectional boiler; 600 feet Hitchings ventilating apparatus. All as good as new. Cheap. I. Susserrmann, 229 Livingston street, Newark, N. J.

FOR SALE

PIPE Good serviceable second hand with good threads and a coupling with each length, no junk--1 in. 3c.; 1 1/2 in. 4 1/2c.; 2 in. 6c.; 2 1/2 in. 10 1/2c.; 3 in. at 14c. and 4 in. at 19c. New 2 in. standard black, 10 1/2c. Old 4 in. greenhouse pipe, 14c. per foot; 4 in. boiler tubes, 8c. per foot. All kinds of fittings for 4 in. cast iron. All sizes wrought iron pipe carried in stock.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, new round boiler, heating 900 sq. ft. of glass, \$40.00. Richmond boiler, heat 6000 ft. of glass; 1 Dundy boiler, heat 2500 ft. of glass; 1 H. F. Smith, heat 3000 ft. of glass. We have other sizes and makes in stock. Write for prices.

PIPE FITTING TOOLS New and old. Large stock always on hand.

GARDEN HOSE In lengths up to 600 ft., with couplings, 50 ft. lengths carried in stock. 3/4 in., 3 ply, guaranteed 100 lbs. pressure. 3/4 in., 4 ply, guaranteed 250 lbs. pressure, 12 1/2c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft., 80c.; glazed completa \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New, 8x10 single at \$1.60 per box; 10x12 C. double, \$1.75 per box; 10x12 and 12x12 R. double, \$2.00 per box; 12x14 to 12x20, 14x14 to 14x20, 16x16 and 16x24 B. double, at \$2.15 per box; and 16x20, 16x24 and 12x24, B. double, \$2.26 per box. Discount given in large quantities.

PECKY CYPRESS \$26.00 per 1000.

We can furnish everything in new material to erect any size house. Get our prices.

METROPOLITAN MATERIAL CO.

Greenhouse Wreckers 1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

BARGAINS

50,000 Geraniums, eight varieties, strong 3/4 in. plants, in bud and bloom, to close out, \$3.50 per 100; 50,000 Coleus, 12 varieties, large, 2 in., \$1.50 per 100; \$13.00 per 1000; 3 in., \$2.00 per 100; Canas, 3 in., \$3.00 per 100. The above is strong, healthy stock that will please. Cash.

WM. S. HERZOG, Morris Plains, N. J.

CABBAGE PLANTS

Extra fine plants, 20c. per 100; \$1.50 per 1000. HENDERSON'S EARLY SUMMER WINNINGSTADT, HENDERSON'S SUCCESSION, FOTTLER'S BRUNSWICK.

CHESTER F. BRAINARD, THOMPSONVILLE, CONN.

REVIEW OF THE MARKET

NEW YORK The cut flower market continues to be in rather a depressed condition. The enormous quantities of peonies available and the low prices at which they are going has, no doubt had a bad effect on greenhouse grown flowers, and the carnation and rose men will without doubt, be glad when this peony season is over. The severe warm weather experienced this week will help to bring about that condition shortly; at least, that is what is expected. In the retail line there is not much doing, and whether weddings and commencement will live up to the business toward the end of the month or not, remains to be seen.

Roses of all kinds continue to be more than plentiful enough for what demand there is, and prices have changed a little since our last quotations. Carnations are so plentiful that prices are even lower than they were last week. Buyers who speculate in thousand lots have no difficulty in getting choice varieties at 25c, or 30c, per 100. Asparagus and maiden-hair fern are in very good demand, simply because there is so much outside green stock available now that is considered more suitable to be used with such flowers as peonies. Cattleyas are still plentiful and are offered cheaply. Sweet peas have lessened materially in supply, but these are more than made up for by the increase in such flowers as gladiolus, ismene, pyrethrum and centaurias. Lily of the valley is about the only flower for which there has been a demand somewhat corresponding to the supply. There are plenty of lilies still coming in, and \$3 and \$1 per 100 seems to be the highest they will bring.

BOSTON There is little doing in the wholesale district these days. All kinds of flowers are plentiful, in fact, so much so that there are no prices. Roses sell in large quantities at very low figures and the same may be said of carnations. Peonies are now in full swing and sell better than many other flowers. Festiva maxima is the best variety at present. Lilies still are plentiful. Lily of the valley has been in fair demand. The market in general is getting down to summer conditions and will likely continue for sometime to come.

PHILADELPHIA Commission men report very slow business this week but not worse than is to be expected at this season. Stock is moving very slowly and about 75 per cent of that received has been of poor quality, due to the warm weather now being experienced in and about Philadelphia.

Good stock in roses and peas are in demand but prices are very low except for the very best. American Beauties go slow at 25c, but the majority run at about 20c. Brides and Bridesmaids run from 2c to 10c. Cattleyas being from 10c to 50c and some nice stock is on the market. Carnations run from \$1.00 to \$2.00, and to 5c for the fancy varieties. Sweet peas from 50c to one dollar, and the outdoor stock is very fine at this time. The retailers are getting some few orders for funeral work and also some nice wedding and commencement decorations, but outside of this very little business is being done except in potted plants and leafing stock. Some of the retailers have today some orders for daily in receipt of decoration orders for the graves, and the landscape men are busy sodding and making beautiful the lawns in their neighborhood.

St. Louis.

News Notes.

The Belleville florists had a very busy week. A convention of an order known as the Egyptian Hustlers was held during the past week. A floral parade on Friday, in which all the florists in that city took part, used up a lot of stock.

During the week the State Horticultural Society held a three-day session at Mountain Grove, Mo. Fifteen members attended the meeting and elected the following officers at the last session: W. P. Stark, president; R. L. Hill, first vice-president; J. J. Chastin, second vice-president; T. H. Todd, treasurer; L. C. Howard, secretary.

Park Commissioner Seanan has returned from his Eastern trip and is back at his desk in the office of the Park department in the City Hall. During his absence Superintendent Ostertag had his hands full attending to his own and the Commissioner's duties.

Mr. and Mrs. Fred. C. Weber, their daughter and the Misses Meinhardt will leave next week for a month's trip

INDIANAPOLIS Out-of-door sweet peas are paying good at 50c to 50c a hundred. Fine hot-house gladiolus are received at \$3.00 to \$4.00 a hundred. The local peony supply is about gone. A few stragglers sell well, though at \$2.00 to \$4.00 a hundred. The Northern supply, or those in cold storage, will have to be depended upon hereafter. Evert W. Vandufft, Canterbury Bells and swansons augment the heavy cut of flowers, but have little market value. Lily of the valley at \$3.00 to \$4.00 a hundred are generally in demand. Reports from the growers reveal the fact that the usual amount of bedding was done this year. It is almost impossible to find any good stock left for remaining orders. Tomlinson Hall market has enjoyed a lively week. Both the wholesalers and the general retail trade were inclined to buy there instead of ordering from the growers direct. Prices are often better and the choice of stock larger than at the individual farms. I. B.

ST. LOUIS The demand for cut stock has again fallen off and the supply at the commission houses is large in all flowers in season. While the glut is not as great as it was a few weeks ago, still it shows that the retailers have not been any too busy the past week. We hear of only small affairs in weddings, receptions, dinners and other social events, and not any too many at that. Work for funerals has kept some quite busy. The graduating classes of the large schools this week should bring an extra demand for special stock. This practically ends the season. Prices the past week were down on roses and carnations, which are showing the effects of the hot weather. Sweet peas, candidum lilies and peonies are in plenty, so is lily of the valley. Other flowers that are coming in are common outdoor stuff and do not, as a rule, sell well. Everything in greens is plentiful. ST. PATRICK.

CHICAGO Extreme quiet prevails in wholesale circles, and the daily receipts of stock of all kinds are said to be heavier than at any time heretofore. Peonies are in tremendous supply, and tend to dwarf the demand for everything else. The range of quotations on them covers what exists in the way of legitimate demand, and are prices obtained for first-class stock. Anything not first-class moves when it can be made to move, at any price obtainable. The ash barrels receive a goodly load every day. Roses are extremely plentiful, and much open and soft stock is seen among arrivals. When close and of good appearance, prices come within the quoted range. Otherwise fairly good stock goes as low as \$3 per thousand in clearance lots. Carnations still continue plentiful, and arrivals show the effect of the weather and the long benching season. Transactions this week have been frequent covering \$1 per 1000 on large blocks. Lilies are plentiful, but don't seem to be wanted. Plenty of really good stock can be bought at 2c. Lily of the valley is one of the good things, the best bringing as high as 5c per spray. Sweet peas are in over-supply, the outside product figuring heavily in arrivals. Orchids are a good thing, and more could be handled, such as are arriving are fine in quality. The weather has been abnormally warm for a few days, and very little relief can be looked for in this market until it changes.

through Colorado, visiting Yellowstone Park and other points of interest in that State.

Our suburban florists have at last commenced planting out their carnations. The continued rains during May have at last let up. This alone has kept them back with all their outdoor work. All had a fairly good season and plenty of stock.

Frank Weber, who will have charge of the delegation of nurserymen from here for the Milwaukee Convention of the American Association of Nurserymen, which takes place this week, reports a large delegation from here and other points.

The Bentzen Floral Company report that they have the floral work and plant decoration of the Yeatman high school. More plants and cut flowers are being used this year.

The local seedsmen are making preparations to attend the convention of the American Seed Trade Association this month at Detroit, Mich. A large delegation is promised.

Shaw's Garden, known as the Mis-

GRAFTED ROSES

FINE STOCK, READY NOW

Kilbarney, Carnot, Kaiserin Augusta Victoria, Uncle John, from 2 1/2 in. pots, \$2.00 per dozen, \$15.00 per 100, from 3 in. pots, \$1.50 per dozen, \$10.00 per 100.
Kilbarney, Carnot, Kaiserin, and Uncle John, from 3 1/2 in. pots, \$3.00 per dozen, \$20.00 per 100.
The Bride, Bridesmaid, Golden Gate, from 2 1/2 in. pots, \$3.00 per dozen, \$12.00 per 100, from 3 in. pots, \$2.50 per dozen, \$15.00 per 100; 3 1/2 in. pots, \$3.00 per dozen, \$17.00 per 100.

OWN ROOTS

Kilbarney, 2 1/2 in. pots, \$1.00 per dozen, \$6.00 per 100, from 3 in. pots, \$1.50 per dozen, \$9.00 per 100.
Richmond, Sunrise, Sunset, Kaiserin, Pres. Carnot, from 2 1/2 in. pots, \$3.00 per 100, from 3 in. pots, \$7.00 per 100.
Bride, Bridesmaid, Golden Gate, from 2 1/2 in. pots, \$1.00 per 100, from 3 in. pots, \$7.00 per 100, \$60.00 per 1000.

CARNATIONS

From Pots; Fine Healthy Stock.
READY NOW:
Winer \$7.00 \$60.00
Helen M. Gould 7.00
Dahheim 1.00
Boston Market and Harlowarden 3.50 30.00
Lady Bountiful, Red Lawson, Variegated Lawson, and White Lawson 1.00 35.00

CHRYSANTHEMUMS

Autumn Glory, Ada Spaulding, Col. D. Appleton, Creme, Cullingfordi, Dr. Enguehard, Dorothy Devens, Geo. Kalb, Glory Pacific, Harry May, H. W. Rieman, Ivory, Jennie Nonin, J. E. Lager, J. H. Troy, Mrs. H. Robinson, Maud Dean, Meta, Mrs. Jerome Jones, Miss Minnie Wanamaker, Miss Alice Byron, Mrs. Baer, Major Bonaffon, Mad. Ferd. Bergmann, Nagoya, Polly Rose, Robt. Halliday, Soleil D'Octobre, Timothy Eaton, Vivand-Morel, W. H. Lincoln, Mrs. Robt. McArthur, Wm. Duckham, F. A. Cobbold. Price from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000. Rooted Cuttings, \$1.50 per 100.

CANNAS

Strong plants from 3 1/2 in. pots (30 fine named varietee), \$6.00 and \$8.00 per 100.

Send for catalogue

WOOD BROTHERS, Fishkill, N. Y.

souri Botanic Garden, had its first Sunday opening in the year June 7. The attendance was not near as large as last year; the threatening weather and heat kept many away. Last year's first Sunday counted 26,114; this year the number of visitors counted 16,559. The heads of the garden, Prof. Wm. Trelease and Superintendent H. C. Irish and a host of students were at the gate to receive the visitors when the big gates were opened, and were shown through the garden. The Shaw tomb and the big orchid and cactus houses were the big attractions; also the new buildings near the Shaw home. Everything was at its best and the garden presented a fine appearance.

One of the new additions opened recently shows a collection of 325 plants used in the practice of medicine. The first Sunday in September will be the next open Sunday.

The trustees of the Florists' Club, Messrs. Beyer, Smith and Schoene have arranged for the annual picnic of the club, to be held at Normanda Grove on July 15. ST. PATRICK.

Cincinnati.

Trade Notes.

There is nothing startling to report, except that this market could use more good sweet peas at the present time. Other stock is plentiful and the greater portion of it is selling at starvation prices. Commencements are doing very little so far to boost the cut flower business, and weddings are not helping much. Julius Bair had the Myers-Crowell wedding at Springfield, O., on Saturday.

Miss Alice, sister of Edith Kyrk, was married Wednesday.

Ernest Mack of Price Hill is building a fine modern residence near his greenhouses.

J. T. Conger of Hartwell, says his Spring bedding has been quite satisfactory. By the way, Mr. Conger is one of the "City Dads" for this suburb, and the political hanger on is not finding his task easy; he has to work. E. G. G.

VERBENAS

Best Mammoth, from pots, 13.00

ASPARAGUS

PLUMOSUS NANUS, 2 1/2 in. pots 4.00
3 in. pots 8.00
SPRENGERI, 3 in. pots 6.00
4 in. pots 8.00

MISCELLANEOUS PLANTS

Ready for Immediate Sales

Table with columns for plant name, size, and price. Includes items like Alyssum, Argyranthemum, Ageratum, Copea Pet., White Cap, L. Bonnet, P. Pauline, Stella Gurney, Alternanthera, Ampelopsis Veltchil, Browallia speciosa major, Cuphea Platycentra, Colens, Dracena Indivisa, English Ivy, Feverfew, Fuchsia, Geraniums, Gazania Splendens, Heliotrope, Ivy, German, Labana, Lobelia, Moonflower, Petunias, Petunias, Salsvia, Stevia variegata, Tropaeolum, Vinca, and Violets.

Detroit.

News Items.

Cut flowers and cut flower business have a genuine Summer look; both are poor. Large weddings are very scarce this year and there is not any too much demand in other directions.

The excursion of the local Board of Commerce, which marked the initiation of the new palatial steamer, City of Cleveland, called for a great number of American Beauty. One local firm distributed carnation boutonnieres, with a little ribbon on which the firm's name was printed, among the 500 participating business men. Another florist gave to each a rose boutonniere.

The main topic of local interest is the battle between the two local wholesale houses on the diamond, which was fought out at Belle Isle last Friday afternoon. Many availed themselves of the opportunity to make this event a half-holiday and the result of the contest, 15 to 20 in favor of the Michigan Cut Flower Exchange, is very satisfactory. Specially fine work was done by Andrew Ferguson, pitcher for the Michigan C. F. E., who struck out five men in one inning.

The new fancy ferns are coming in at the Michigan Cut Flower Exchange. This firm is also putting many thousands of peonies in cold storage.

Prices for cut flowers are just now difficult to quote; the bottom has dropped out.

Reports from the field are very encouraging. Carnation plants are doing splendidly and asters are also very promising. FRANK DANZER.

SCHENECTADY, N. Y. Chas. Limmers, florist, has moved from 507 to 321 State street.

WASHINGTON, D. C. Mr. and Mrs. J. P. Thompson, who have had charge of the Rock downtown greenhouses for several months, have gone to Burlington, Ia., where they will make their future home.



ANNUAL TRADE SALE

TO WIND UP THE SPRING SEASON

TAKES PLACE

JUNE 23rd AT NOON

We will offer suitable stocks for florists to grow on, consisting of PANDANUS VEITCHII, CROTONS, FERNS, FICUS, ADIANTUMS, ASPIDISTRAS, KENTIAS, LATANIAS, ASPARAGUS, ORANGES, COCOS, CHRYS NTHEMUMS, etc..

W. ELLIOTT & SONS, 42 Vesey St., New York

Stock You Need Now

COLEUS, from 2 1/2 in. pots. Golden Queen and Crimson Verschaffeltii, about 20,000 of each. We have also 25,000 plants of eight other good varieties. Price: \$2.50 per 100; \$22.50 per 1,000.

SALVIA, BONFIRE and SPLENDENS, from 2 1/2 in. pots, \$30.00 per 1,000.

EGG PLANTS, 4,000 very fine pot-grown stock, \$30.00 per 1,000.

DRACAENA GRACILIS, in 3 in. pots, \$10.00 per 100.

HELIOTROPE, from 2 1/4 in. pots, \$3.00 per 100.

ENGLISH IVY, fine plants in 6 in. pots, 35c. and 50c. each.

ARALIA ELEGANTISSIMA, fine plants, about 2 feet high, \$1.00 each.

GARDENIA VEITCHII, clean, healthy stock in 2 1/2 in., 3 in. and 5 in. pots, in any quantity.

Large specimen plants of NEPHROLEPIS SCOTTII, in pots and tubs, at \$4.00, \$5.00 and \$6.00 each. They are a bargain.

JOHN SCOTT

Rutland Road and East 45th Street
BROOKLYN, N. Y.

ASTER PLANTS

QUEEN OF THE MARKET, Simple's and Calcutt's, separate colors, from the best seed, 100 plants, ready to plant out, \$5.00 per 100, \$2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

LAST CALL TO CLEAN UP

I offer the following plants all strong and healthy.

1000 SNAPDRAGON, Grant, four colors, 2 1/2 in. pots, \$1.50	1000
500 SALVIA Bonfire, 2 1/2 in. pots, \$2.00	1000
500 Single PETUNIAS, 4 in. pots, 2.00	1000
500 DUSTY MILLER, 2 1/2 in. pots, 2.00	1000
500 CANNAS, Henderson, Char. 4 in. pots, 3.00	1000

J. S. BLOOM, Riegelsville, Pa.

SPECIAL TO CLOSE OUT

1000 Vinca Variegata, 2 1/2 in. pots, \$25.00	per 1000
1000 500 Coleus, Golden Bolder, 2 1/2 in. pots, \$1.50	per 100
1000 500 Verschaffeltii, 2 1/2 in. pots, \$1.50	per 100
1000 300 Geraniums, La Favorite, 2 1/2 in. pots, \$4.50	per 100
1000 100 Ageratum, white, 3 in. pots, \$3.00	per 100
1000 200 Cannas, Red Leaf, 3 1/2 in. pots, \$4.00	per 100
1000 100 Vinca Variegata, 3 in. pots, \$1.00	per 100

GLARANFIELD STOCK. CASH, PLEASE
R. I. HART, Hackettstown, N. J.

ASPARAGUS Plumosus and Sprengeri, strong plants, 2 in., \$2.25 per 100.

ENGLISH IVY, 2 and 2 1/2 in. pots, strong, \$2.00; R. C., 75c. per 100.

GERANIUMS, double red, \$1.75 per 100.

ARAUCARIAS, 20 in., four tiers, \$1.00.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

J. H. DANN & SON, Westfield, N. Y.

CHOICE SEASONABLE STOCK

1000 Ageratum, S. Gurney, 1 in. pots	100	1000
1000 Ageratum, S. Gurney, 2 1/2 in. pots	\$5.00	\$35.00
200 Calendula, 3 plants, in 4 in. pots	2.00	15.00
1000 Coleus, Verschaffeltii, 2 1/2 in. pots	1.00	
500 Coleus, Victoria, 2 1/2 in. pots	2.00	18.00
500 Coleus, Firebrand, 2 1/2 in. pots	2.00	
200 Fuchsias, in bloom, 5 in. pots	10.00	
1000 Geraniums, double white, 4 in. pots	5.00	15.00
500 Geraniums, double pink, 4 in. pots	5.00	
300 Geraniums, James Vick, 4 in. pots	5.00	
500 Geraniums, Double Grant, 4 in. pots	5.00	
300 Geraniums, Robert Ruist, 4 in. pots	5.00	
800 Geraniums, S. A. Nutt, 4 in. pots	5.00	
300 Geraniums, Poitevine, 4 in. pots	5.00	
500 Geraniums, Berthe de Presilly, 4 in. pots	5.00	
300 Geraniums, A. L. Clé, 4 in. pots	5.00	
1000 Geraniums, Glory of France, 4 in. pots	5.00	15.00
1000 Heliotropes, 8 best varieties, 1 in. pots	5.00	10.00
500 Impatiens Hybrida, 3 in. pots	3.00	
500 Lobelia Gracilis, 2 1/2 in. pots	2.00	
500 Nasturtiums, dwarf, 2 1/2 in. pots	2.00	
2000 Roses, monthly, our selection, 5 in. pots	15.00	125.00
200 Rose Geraniums, 4 in. pots	5.00	
4000 Salvia Bonfire, in bloom, 4 in. pots	5.00	45.00
500 Swainsona alba, 3 1/2 in. pots	8.00	
200 Centaurea Gymnocarpa, 2 1/2 in. pots	2.00	
200 Santolina, 2 1/2 in. pots	2.00	
200 Vinca Variegata, 4 in. pots	8.00	
150 Variegated Sage, 4 in. pots	5.00	
500 Zinnias, in variety, 3 1/2 in. pots	2.00	
2000 Golden Feverfew, 2 1/2 in. pots	2.00	15.00
1000 Tomato, Stone, 3 in. pots	2.00	15.00

Look out for my ad this Fall, in which I will offer 700,000 California Privets, 1 and 2 years old.

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Golden Bedder and Verschaffeltii, \$1.75 per 100.

SALVIA, 2 and 4 in., \$1.75 and \$3.00 per 100.

HIBISCUS, assorted, 4 in. pots, \$5.00 per 100.

FUCHSIAS, assorted, 4 in. pots, \$5.00 per 100.

GERANIUMS, S. A. Nutt, 3 in. pots, \$3.00 per 100.

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ROOTED CUTTINGS PREPAID PER 100.

ALTERNANTHERA, best Red and Yellow, 50c.; \$4.50 per 1000 (not prepaid). AGERATUM, Gurney and Pauline; COLEUS best bedders, 60c., \$5.00 per 1000 (not prepaid). SALVIA Bonfire and Splendens, 85c. FUCHSIA, five finest kinds, 2 in., 1 1/2c. each. AGERATUM, Gurney, 2 in., 1 1/2c. each. COLEUS, Good Bedders, 2 in., \$1.25 per 100. ASTERS, branching, 3 colors, \$2.00 per 1000. Cash.

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Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.

Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.

ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.

Dracaena indivisa, 2 in., \$2.00 per 100; 3 in., \$5.00 per 100.

FERNS, Scottii, 5 in., 30c. each.

GERANIUMS, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., \$1.25 per 100; Pot plants, 2 in., \$2.00; 3 in., \$4.00 per 100.

Trego, Castellana, Viaud, Jaulin, Poitevine, R. C. \$1.50 per 100; Pot plants, 2 in., \$2.50; 3 in., \$5.00 per 100. Mme. Sallerot, 2 in., \$3.00 per 100.

VINCA VAR., 2 in., \$2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GLADIOLUS BULBS, mostly light colors, \$1.00 per 100.

REX BEGONIAS, 2 in., \$5.00 per 100.

COLEUS; CIGAR PLANT; VERBENA; HELIOTROPE; SCARLET SAGE, Bonfire; 2 in. pots, \$2.00 per 100.

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Now is the time to place your orders for BEGONIA GLOIRE DE LORRAINE, CYCLAMEN and POINSETTIAS

I am well equipped to supply the above in any quantity at the following prices:

BEGONIA GLOIRE DE LORRAINE, 2 1/2 in. pots (leaf cuttings), \$15.00 per 100; \$140.00 per 1000.

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POINSETTIAS, 2 1/2 in., \$5.00 per 100; \$45.00 per 1000.

Satisfaction guaranteed.

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Bride and Maid, fine stock, own roots 3 in., \$5.00 per 100.

Grafted, fine stock, Bride, Maid, Killarney, Richmond, 3 in., \$10.00 per 100.

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Stock Plants for sale, \$10.00 and \$15.00 per 100.

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GERANIUMS, HELIOTROPES, FUCHSIAS, \$5.00 per 100.

HARDY CUPHEA, \$8.00 per 100.

HYDRANGEAS, large plants, \$10.00 per 100.

HONEYSUCKLE VINES, 6 in., \$12.00 per 100.

COLEUS, in fancy colors, \$2.50 per 100.

CIGAR PLANTS, GROUND CUPHEA, VERBENA, ARTILLERY PLANTS, LOBELIA, FEVERFEW, FUCHSIA, DAISIES, 2 1/2c.

CASH WITH ORDER, PLEASE.

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Splendens Giganteum Hybrids
Finest strain in the world in five true colors, extra well grown plants from 2 1/2 in. pots, \$5.00 per 100; \$45.00 per 1000.

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Prices quoted are by the hundred unless otherwise noted

Roses	A. BEAUTY fancy-special.....	8.00 to 10.00	Carnations	1st grades, all colors.....	.25 to .50
	" extra.....	5.00 to 8.00		STANDARD White.....	.50 to .75
	" No. 1.....	4.00 to 5.00		" Pink.....	.50 to .75
	" No. 2.....	2.00 to 3.00		VARIETIES Red.....	.50 to .75
	" No. 3.....	.50 to 1.00		Yel. & Var.....	.50 to .75
	Bride, Maid fancy-special.....	3.00 to 4.00		" Fancy—	.75 to 1.50
	" extra.....	1.00 to 3.00		(*The highest grades of	.75 to 1.50
	" No. 1.....	.50 to 1.00		standard var)	.75 to 1.50
	" No. 2.....	.50 to .50		NOVELTIES	.75 to 1.50
	Golden Gate.....	.50 to 5.00		GARDENIAS, per doz.....	1.00 to 2.00
RICHMOND.....	.50 to 6.00	LILIES.....	.50 to 2.00		
Mme. Abel Chatenay.....	.50 to 5.00	LILY OF THE VALLEY.....	2.00 to 4.00		
ADIANTUM.....	.50 to .75	SMILAX.....	8.00 to 10.00		
CROWANUM.....	.50 to 1.50	ANTIRRHINUM (per bunch).....	.50 to 1.00		
ASPARAGUS.....	25.00 to 50.00	SWEET PEAS (per doz. bunches)	.25 to .75		
" Plumosus, bunches.....	8.00 to 15.00	PEONIES.....	1.50 to 4.00		
" Sprengeri, bunches.....	8.00 to 15.00	GLADIOLUS.....	4.00 to 5.00		
CALLAS.....	3.00 to 6.00				
CATTLEYS.....	25.00 to 30.00				
CYPRIPEDIUMS.....	.75 to 1.00				
DAISIES.....	.75 to 1.00				

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Worcester, Mass.
Trades News.
At the Worcester County Horticultural Society's exhibition last week George McWilliam, gardener for Mrs. G. Marston Whitin of Whitinsville, made an exhibit of yellow callas, and they were yellow, too. Yellow callas previously shown have been very pale, but those exhibited by Mr. McWilliam were of a very deep color. He also showed some very nice lily of the valley grown on the Whitin estate. This is grown in the woods and covers about a quarter of an acre; it is very fragrant. J. W. Seldon showed some handsome yellow Marguerites arranged in a mammoth basket. E. W. Breed took premiums on zonal geraniums, as usual; there are very few who can equal Mr. Breed on geraniums. George McWilliam, who has served as judge of flowers for many years, left on June 2 for Scotland. His wife accompanies him. William McAllister will serve as judge during the Summer.

H. F. A. Lange was very fortunate in having a large stock of geraniums in bloom for Memorial week; other growers were very shy on them.
A handsomer house of stocks was never seen by your correspondent than that shown by Mrs. Hugo Book, the spikes being large and round as hyacinths.
The Memorial Day trade in Worcester was larger than ever before and was better handled. There was a good supply of stock. Many hundreds of pans of assorted plants were made up and disposed of and delivered on Thursday, thus casing up somewhat Friday's business. The quality of the flowers was fully up to the standard and was timed well as to maturity. TRAVELER.
WORCESTER, MASS.—Thomas Hocky, Sr., former manager of the Norcross and Stratton greenhouses, has gone to Marlboro, where he will run the Lewis greenhouses.

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Water Lilies, Pink, White and Red, \$5.00 per 100.
Sweet Peas, delicate shades as well as the standard varieties, 75c. and \$1.00.
Peonies, Festive Maxima, \$6.00 and \$8.00 per 100.

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CATTLEYS

\$6.00 per doz. Very choice stock.

SWEET PEAS

\$7.50 per 1000. White, Lavender, Pink.

Wholesale Prices of Cut Flowers—Per 100

Boston June 8, 1908	Buffalo June 9, 1908	Detroit May 31, 1908	Cincinnati June 8, 1908	Baltimore June 10, 1908	NAMES AND VARIETIES	Milwaukee June 1, 1908	Philadelphia June 9, 1908	Pittsburg June 8, 1908	St. Louis June 9, 1908
10.00 to 20.00	15.00 to 25.00	20.00 to 25.00	to	to	A. BEAUTY, fancy—special	to 25.00	20.00 to 25.00	18.00 to 25.00	20.00 to 25.00
4.00 to 10.00	10.00 to 15.00	18.00 to 20.00	to 3.00	to 3.00	" extra	12.00 to 15.00	15.00 to 20.00	10.00 to 15.00	12.50 to 15.00
1.00 to 4.00	5.00 to 10.00	10.00 to 15.00	1.50 to 2.00	to	" No. 1	6.00 to 8.00	10.00 to 15.00	5.00 to 8.00	6.00 to 8.00
to	2.00 to 5.00	3.00 to 3.00	1.00 to 1.25	to	" Culls and ordinary	2.00 to 4.00	4.00 to 10.00	2.00 to 3.00	3.00 to 5.00
to	to	to	to	to	BRIDE, MAID, fancy—special	to 6.00	6.00 to 10.00	to 6.00	4.00 to 5.00
4.00 to 6.00	6.00 to 8.00	6.00 to 8.00	5.00 to 6.00	3.00 to 4.00	" extra	to 4.00	4.00 to 8.00	to 5.00	2.00 to 3.00
2.00 to 4.00	5.00 to 6.00	4.00 to 6.00	3.00 to 4.00	2.00 to 3.00	" No. 1	2.00 to 3.00	4.00 to 6.00	3.00 to 4.00	to 1.00
1.00 to 2.00	4.00 to 5.00	3.00 to 4.00	1.00 to 2.00	1.00 to 2.00	" No. 2	to 4.00	2.00 to 4.00	to 2.00	to
to	2.00 to 4.00	to	to	to	ROSES	to 4.00	to 4.00	to	to
to	2.00 to 5.00	3.00 to 8.00	2.00 to 3.00	to	GOLDEN GATE	4.00 to 6.00	3.00 to 4.00	to	to
1.00 to 6.00	3.00 to 7.00	4.00 to 8.00	to	to	K. A. VICTORIA	4.00 to 6.00	3.00 to 8.00	2.00 to 10.00	2.00 to 8.00
1.00 to 8.00	3.00 to 8.00	3.00 to 8.00	to	to	LIBERTY	4.00 to 6.00	3.00 to 12.00	to	to
to	3.00 to 7.00	to	to	1.00 to 4.00	PERLE	2.00 to 4.00	to	2.00 to 4.00	to
to	4.00 to 5.00	35.00 to 50.00	to	to	ORCHIDS—Cattleyas	to	40.00 to 50.00	to 50.00	to
to	to	to	to	to	Inferior grades, all colors	1.00 to 1.50	1.00 to 1.50	to 1.00	to 1.00
to	to	to	to	to	Standard	1.00 to 1.50	1.50 to 2.00	to 1.00	to 1.00
to	to	to	to	to	Varietee	1.00 to 1.50	1.50 to 2.00	to 1.00	to 1.00
to	to	to	to	to	White	1.00 to 1.50	1.50 to 2.00	to 1.00	to 1.00
to	to	to	to	to	Pink	1.00 to 1.50	1.50 to 2.00	to 1.00	to 1.00
to	to	to	to	to	Red	1.00 to 1.50	1.50 to 2.00	to 1.00	to 1.00
to	to	to	to	to	Yellow and var	1.00 to 1.50	1.50 to 2.00	to 1.00	to 1.00
to	to	to	to	to	White	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
to	to	to	to	to	Pink	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
to	to	to	to	to	Red	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
to	to	to	to	to	Yellow and var	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
to	to	to	to	to	Novelties	to	to	to	to
to	to	to	to	to	ADIANTUM	to 1.00	1.00 to 1.50	1.00 to 1.25	to
to	to	to	to	to	ASPARAGUS, Plum. and Ten Sprenger, bunches	20.00 to 30.00	40.00 to 50.00	30.00 to 50.00	25.00 to 40.00
to	to	to	to	to	CALLAS	20.00 to 30.00	40.00 to 50.00	10.00 to 30.00	25.00 to 50.00
to	to	to	to	to	CHRYSANTHEMUMS	8.00 to 10.00	12.50 to 15.00	6.00 to 8.00	to
to	to	to	to	to	DAISIES	to	to	to	to
to	to	to	to	to	GLADIOLUS	to	to	to	to
to	to	to	to	to	LILIES	8.00 to 10.00	12.50 to 15.00	10.00 to 12.00	to
to	to	to	to	to	LILY OF THE VALLEY	to 3.00	3.00 to 4.00	2.00 to 4.00	to 3.00
to	to	to	to	to	MIGNONETTE	to 3.00	to	to	to
to	to	to	to	to	SMILAX	to 15.00	12.50 to 15.00	12.50 to 15.00	to 12.50
to	to	to	to	to	PEONIES	4.00 to 6.00	3.00 to 6.00	3.00 to 6.00	to

The rose and peony exhibition of the society will be held to-day and to-morrow with the rose and strawberry show on the 20th and 21st inst.

The schedule for the Spring show of 1909 is already in the printer's hands and will be issued at an early date.

Items of News.

Charles Evans of Waltham, has bought out the other heirs of the Chas. Evans estate, and will now continue the business under his own name.

Henry M. and Charles Robinson of the wholesale florist firm, have gone on a fishing trip to Maine.

Burglars entered the home of Thos. Pegler at Wollaston on Friday night, but got scared away before taking anything of value except a coat, in which were some papers of importance only to Mr. Pegler.

At the next meeting of the Gardeners and Florists' Club on the 16th inst. A. H. Kirkland will talk on insects injurious to shade trees.

Samuel Beck has gone to New York for a visit.

Among visitors this week were C. B. Weathered and Geo. Struck, New York.

Wedding.

Benjamin A. Snyder, of the flower department of H. M. Robinson & Company, and Miss Bertha Levine were married on Sunday at the home of the bride in Roxbury. The ceremony was conducted by G. Halpron of Blue Hill Avenue Synagogue. Laurel festoons and a profusion of flowers adorned the rooms, the decorations having been carried out by Samuel Beck and W. A. McAlpin. The bride carried a bouquet of lily of the valley, showered with ribbon. On account of pressure of business the honeymoon trip will be delayed till Mr. Snyder's usual vacation time. On their return the happy couple will make their home in Roxbury. J. W. D.

Kalamazoo, Mich.

Trade Notes.

Fine weather prevailed most of the few days previous to Memorial Day, consequently there was quite a large and satisfactory business done for this occasion. The chief call, as usual, was for carnations, which sold at from 35c. to 60c. per dozen and many thousands were disposed of, as outdoor flowers were few and the florists' flowers were reasonable in price. Made-up bouquets ranging in price from 25c. to \$1 also were extremely popular and were easily handled by the salesmen. The plant with a bloom on was also a winner and some storemen say was the best seller of all. Altogether the week's business may be called satisfactory, even if it did not come up to that of last year's. Shipping trade during the week was reported good, with plenty of stock to fill all orders.

Bedding plant trade continues to be hampered by much rain and some growers have not yet been able to complete their plantings of carnations on this account. The month of May has made new records for both heat and rain in this locality.

A few June weddings and the school commencements will help things for a few weeks longer, after which there will not be much doing till next season.

Van Rochove & Brother have already commenced replanting roses and are now busily engaged in transferring all their glass to the Rose Hill plant. Labor being abundant and cheap the work is being pushed rapidly.

F. Meyers expects to retire from the Riverside greenhouses about June 10, the purchaser taking them over at that date. S. B.

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Boston.

The Rhododendron Show.

The exhibition of the Massachusetts Horticultural Society on Saturday, which is known as the annual rhododendron show, was almost entirely without these flowers, the only competitors being Walter Hannevell and Mrs. J. L. Gardner, each of whom had a small lot of flowers. It was a good show just the same and the main hall was well filled. The collections of herbaceous flowers were fine in the prize classes. The Blue Hills Nurseries carried off all the honors. R. & J. Farquhar & Company and W. W. Rawson & Company each had an extensive exhibit of hardy flowers, including many fine varieties of German irises. In the prize classes for German irises, T. C. Thurlow & Company took first, with F. J. Rea second. A silver-gilt medal was awarded to R. & J. Farquhar & Company, for a collection of rhododendrons and kalmias in pots. First-class certificates were awarded to Robert Cameron of the Harvard Botanic Gardens for culture of *Cereus speciosus*; and to Julius Heurlein of the Blue Hills Nurseries for *Lupinus Moorheimi*. Honorable mention was given to H. S. Rand for exhibit of *Magnolia Watsoni*.

There were many other fine exhibits, including the orchids of Mrs. J. L. Gardner and J. E. Rothwell; a fine display of peonies from E. J. Shaylor and a lot of *Fuchsias* from the Harvard Botanic Gardens. The vegetable exhibits were exceptionally fine, especially those in the collections of the Spaulding estate and W. J. Clemons.

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Large Sprays of DEUTZIA, SYRINGA, SPIREA, Etc.
Large Cases, \$5.00 Medium Cases, \$3.00 Small Cases, \$2.00
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Orchids—Cattleyas.....	40.00 to 50.00	SWEET PEAS.....	.20 to .50
CYPRIPEDIUMS..... to	TULIPS..... to
		PAEONIES.....per doz....	10 to 50
		DAISIES.....	3 to .50

Chicago.

The Week's News.

The regular monthly meeting of the Chicago Florists' Club was held at the Union Restaurant on Thursday evening June 4, the president, Leonard Kill, occupying the chair. The attorneys having in charge the settlement of the Hartshorne benefit reported by letter satisfactory progress. The committee having in hand the picnic project reported that the grounds at Morton Grove would be available for the use of the club on Sunday, July 19. After some discussion it was, on motion, decided to hold a club picnic on that day, and a committee, consisting of George Asmus, T. E. Waters and Fred Lautenschlager, was appointed to carry out the affair. W. O. Johnson, of the Foley Manufacturing Company, was elected to membership, and W. A. Arnold of Chicago was nominated for election at the next meeting. There was staged a grand vase of new peonies by Vaughan's Seed Store, which received very favorable comment. The usual lunch was served before adjournment. It was decided to hold no meetings during July and August; but if a special meeting was found necessary for the discussion of matters relating to the S. A. F. Convention the president would call the same.

Deerfield, Ill., has the sweet pea craze. Last year four growers went heavily into outdoor sweet pea culture, and this year the number has been increased to a dozen or more, with a corresponding increase in acreage. If the crop all comes to the Chicago market it will require more than ordinary hustling to move it.

W. C. Kaber of W. C. Kaber & Company, La Porte, Ind., and Mr. Glaeser of Dubuque, Ia., were in town early this week, and called upon the trade.

H. R. Hughes, the Van Buren street florist, as an auxiliary to his Memorial

Day window setting, on the day itself erected a small handstand in front of the store, on which a fifer and a drummer played martial and patriotic airs to a pleased assemblage, both afternoon and evening. Mr. Hughes had the contract for decorating the College of Physicians and Surgeons during the Medical Convention last week.

The A. L. Randall Company is receiving daily some extra fine lily of the valley, the stems running as long as 18 inches.

At the Lincoln Park conservatories there is at the present time a display of flowering plants which should interest every florist. Prominent among them is a collection of large flowered hybrid schizanthus, the "poor man's orchid." The orchid display is really fine for the time of year. Among the cattleyas are C. Mossiae, C. Mendellii, C. Gaskelliana, C. Warnerii, C. cirina, the tulip orchid, and C. Mrs. H. G. Selfridge, a beautiful variety with white sepals, yellow throat, purple veined and deep purple lip. Quite a number of lilies are in bloom, including two or three interesting hybrids. One, the result of a cross between L. cinnabarina and L. tenebrosa, throws flowers with deep orange sepals, yellow throats and cardinal lips. Another, L. Latoua, a hybrid of L. cinnabarina and L. purpurata, is similar, but the sepals are of a lighter orange, and there is less yellow in the throat and the lip is of deep crimson. Other orchids in flower are Lelia majalis, L. grandis tenebrosa, Oncidium varicosum Rogersii, Odontoglossum citrosimum, brassavola and epidendrum. The grand Allamanda Hendersoni, and the bougainvillea are in their flowering seasons, and very attractive; and extensive collections of pelargoniums, and fuchsias are equally interesting.

At Crown Point, Ind., Otto Greuter is erecting two 200-foot greenhouses and a 200-foot lean-to. A building 50 feet

by 30 feet is already completed, and will contain a boiler room, potting shed, living rooms and office. Mr. Greuter is a brother-in-law of Alon Frey, head gardener at Lincoln Park, and the site of the greenhouses is on a tract of land acquired by Mr. Frey some years ago. Mr. Greuter is a native of Winterthur, Switzerland, and a son of the proprietor of a large greenhouse establishment there. Besides a thorough experience obtained in his father's greenhouses, he has been connected with horticultural interests in England and France. The new establishment when completed will be operated under the style of the Rose Lawn Nurseries, and will probably be devoted to growing of fine bedding stock.

A. Agerholm of Onarga, Ia., Emil Pielke of Geneva, Ill., and H. C. Blawitt of Des Plaines, Ill., recently elected members of the Chicago Florists' Club, were present at the club meeting last Thursday night and responded to the call of the chair for short addresses.

A. Lange will move his retail store into larger quarters at 42 E. Madison street, adjoining his present location, about July 1. The business long ago outgrew the facilities afforded at No. 40, and the change will be appreciated by all connected with it.

Chas. W. McKellar reports the demand for orchids very good so far this month. He is receiving this week some fine Cattleya gigas, stems carrying as many as eight blooms.

Weiland & Risch have finished two of the six new houses they are erecting at their Evanston establishment, and are working on the others as rapidly as possible. When completed the establishment will comprise four ranges of houses approximating 300,000 square feet of glass. The new range will be planted to roses, a liberal benching being given a new red variety, which is full of promise as a commercial sort.

J. A. Budlong is receiving some fine peonies, the cut of the Peterson Nurseries, and on the counters of the J. B. Deamud Company are to be seen several of the grand peonia varieties from Vaughan's greenhouses at Western Springs.

Hauswirth furnished the decorations at the Dawes banquet to the Republican party leaders in the gold banquet hall of the Congress Hotel on Monday night last.

J. H. PEPPER.

Syracuse, N. Y.

Memorial Day trade here was very good; in fact, it is growing year by year. There was a large call for potted plants in bloom, as indoor flowers with most of the florists were scarce, owing to the long-continued dull weather, which has continued throughout the Fall, Winter and Spring.

The season is very backward and there is a great deal of bedding out still to be done. In my twenty-eight years' residence here I cannot recall the time when it was so late.

The weather has been most changeable; many feared a frost on the 5th and 6th; since then it has been excessively hot, the glass registering 94 in the shade several days.

P. R. Quindan is adding largely to his stock of orchids, which he intends to grow extensively, as there is a growing demand for them here.

H. V.

Newport, R. I.

The first of June is the date when the florists who do business here on Bellevue avenue in Summer usually open up. The following firms are now represented at their old stands: Snythe & Wadley, Joseph Leikens and the Hodgson-Spaullding Company.

H. A. Slobrecht, it is reported, will not open up this season at his establishment on the Parson-Stevens estate, which he has occupied for the past six years.

There is not much doing as yet, and it is too early to predict just what the season is to be.

Fred Ziegler, who has been open since early Spring, has been making some elegant window displays.

The season is considerably behind that of New York; peonies are just beginning to come in, and hardy roses are expected by the middle of the week.

Mr. William Galvin, who has been in rather poor health this Spring, is greatly improved, and able to be about again.

ALEX. MACLELLAN.

Henry M. Robinson & Co.

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Send your orders early for your decoration use. Laurel Festooning, 1¢, 5¢, and 6¢ per yd.; made daily fresh from the woods. Boxwood, No. 1 quality, \$8.00 per case, 50 lbs.

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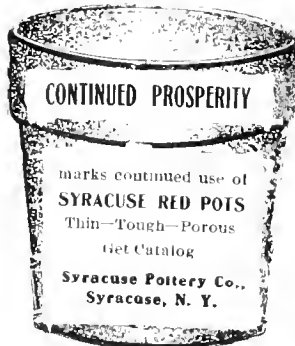
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Baltimore.

To retail florists, business conditions, as could reasonably be expected during the height of commencement season, are very satisfactory.

The nurserymen have done very well and they are still quite busy planting and ornamenting suburban home grounds. The Suburban Park and Development Companies have established a large number of cottage settlements in various sections of Baltimore and surrounding counties; this has given quite an impetus to landscape work and great prospects for the future.

The bedding-out season is practically completed; the floral decoration in the parks and squares is up to its standard and a number of very artistic designs are to be seen. Great interest and admiration are shown by the people in artistic carpet bedding, and it goes to prove that the echeveria, and other succulents, as well as alternanthera and the many highly-colored foliage plants, are coming into popular favor; indeed, they are the only satisfactory plants that should be used along dusty roadways, city squares and triangles, where heat is excessive and where the city department's sprinkling wagons do not come around often enough to keep down dust.

In Baltimore experience has taught us that canna, geraniums, and other flowering plants cannot exist under such conditions; satisfactory beds of flowering plants can only be seen in the larger public squares where the beds are farther removed from the streets. Artistic beds of simple design, with crotons, or other smooth, glossy and high-colored foliage plants in the center, with echeveria, impatiens and alternanthera for borders, provide the proper solution of this question: the bed can get a frequent sprinkling, or dust wash, and will always look well. Canna, a soft foliaged plant, will not do in such places.

Mr. and Mrs. R. Vincent have arrived home, hale and hearty, and much benefited by their European trip; they have many interesting stories of their travels.

The annual outing of the Gardeners' Club was held on Thursday, June 11, at Blenheim, the country home of Wm. Lanchan, Jacob H. Keplinger, superintendent of the Blenheim estate, had charge of the arrangements for the reception of the club.

C. L. SEYBOLD.

New Orleans.

A chrysanthemum and flower show will be given by the New Orleans Horticultural Society on November 12, 13, 14 and 15, and over \$500 will be given in prizes. The flower show was practically decided upon at a recent meeting. No place has been secured for the exhibition as yet, but it is supposed that Lafayette Square or some other centrally located section of the city will be chosen.

J. A. Newsham is chairman of the arrangement committee, with Charles Eble, ex-officio, and H. Papworth, J. Stecker, P. Abele, B. M. Wicher, M. M. de Lapoyade, C. W. Eichling, P. A. Chopin, R. Eichling and Chas. P. Panter members.

The association indorsed the Crop Pest Commission. A communication on the black ant, the most destructive that the gardeners have to deal with, from Professor Newell, was read and very much enjoyed.

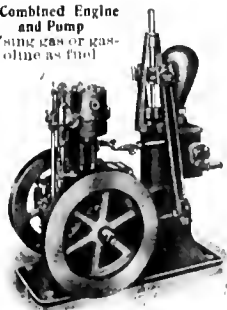
Hon. Martin Behrman was elected an honorary member and Mr. and Mrs. Alost thanked for their dinner some few weeks ago. The Stecker Seed Company was also thanked for their use of its wagons.

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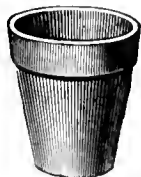


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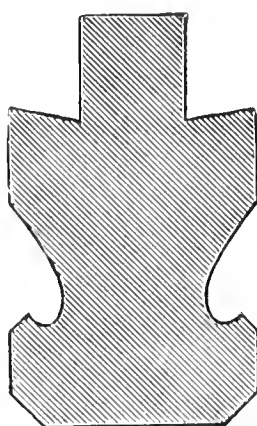
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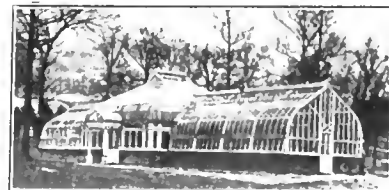
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GEORGE PEARCE, - - - Orange, N. J.

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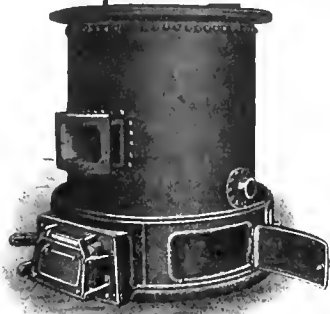
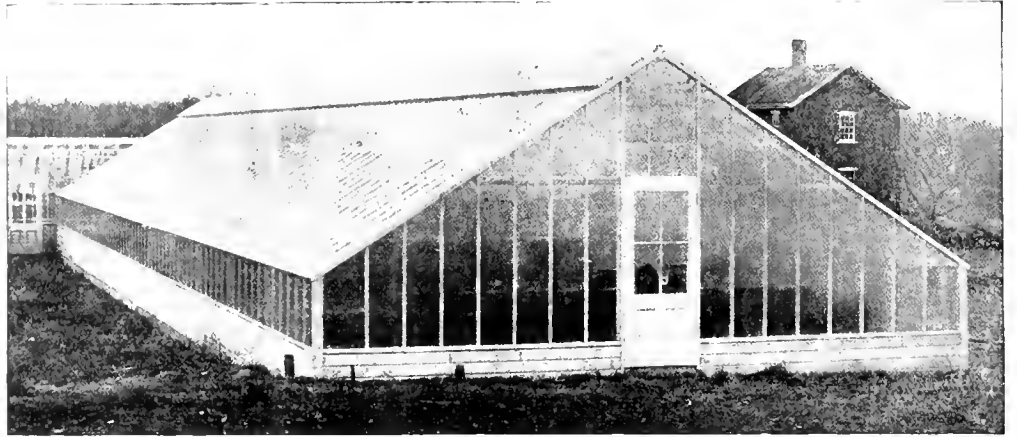
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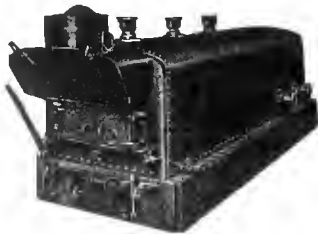
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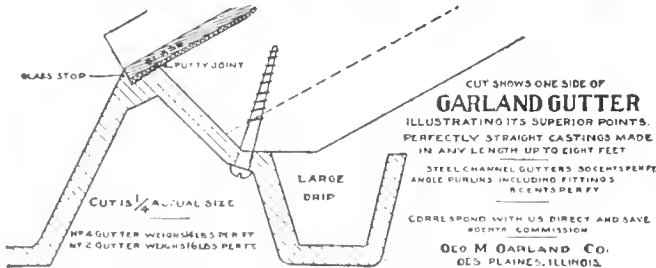
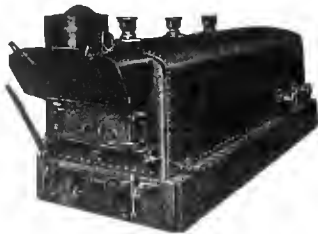
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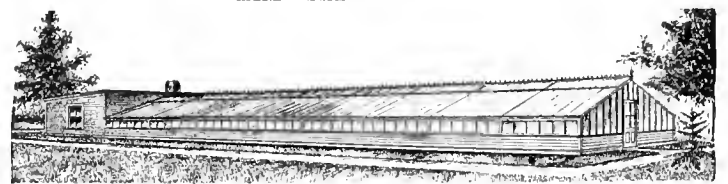
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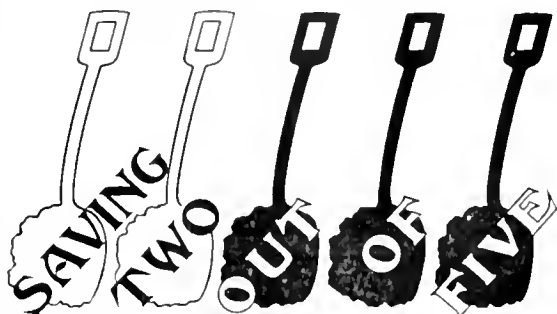


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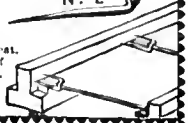
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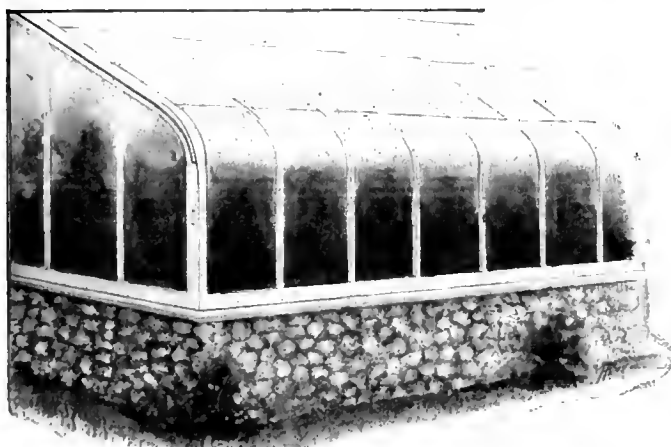
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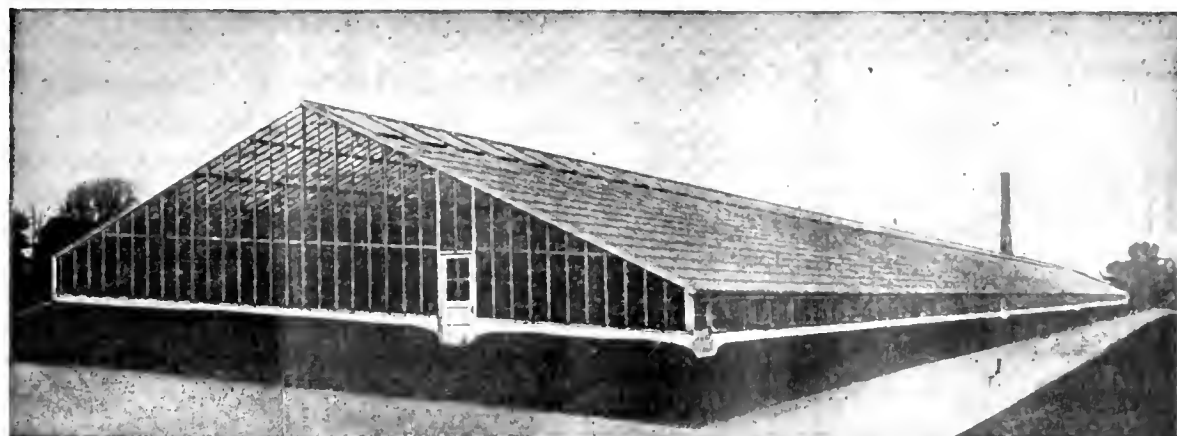


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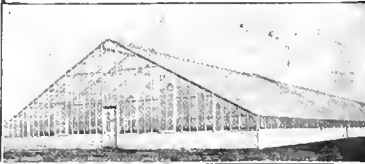
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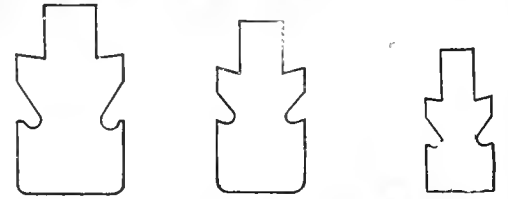
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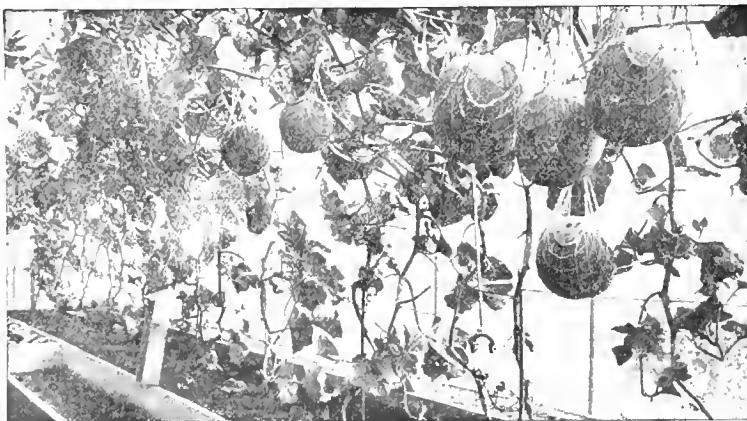
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VOL. XXV. NO. 25

NEW YORK AND CHICAGO, JUNE 20, 1908

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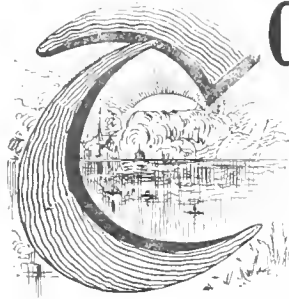
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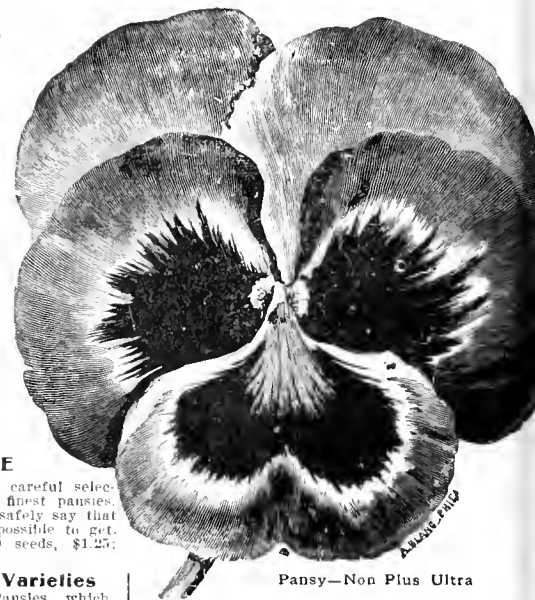
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This mixture is the result of careful selection, from the very largest and finest pansies, of all the varieties; and we can safely say that a better or finer strain it is impossible to get. Per trade pkt., 50c.; per 1000 seeds, \$1.25; per 5000 seeds, \$5.00.

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S. & W. Co.'s Giant Emperor William	.20	.75 2.50
S. & W. Co.'s Giant Fire King	.20	1.25 4.00
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217 Market St., PHILADELPHIA, PA.

HALF MILLION CALLA BULBS



Calla	Ethiopia Bulbs	Circumference	Per 1000
"	"	8 to 10 inch	\$50.00
"	"	7 to 8 inch	65.00
"	"	5 to 7 inch	40.00
"	"	3 to 5 inch	25.00

250 at 1000 rates. Packed in slatted crates.

Liberal count. Safe Arrival Guaranteed. I prepay freight at above prices, to your city, when check is sent with order.

NEW CALLA, Pearl of Stuttgart. Introduced in Germany six years ago. It is the finest pot calla in the world, growing 12 to 16 inches high. A profusion of bloom all winter. Can be grown in a 4 in. pot, as the Bulbs are never larger than one inch diameter. Six to 2 year old bulbs, \$5.00 per 100.

NARCISSUS Alba Grandiflora, 6 to 8 in. circumference, \$9.00 per 1000.

FREESIA Refracta Alba, Mammoth bulbs only, \$9.00 per 1000.

A. MITTING, 17 to 23 Keenan St., Santa Cruz, Cal.

COLD STORAGE LILIES

COLD STORAGE LILIES, mean that you can have lilies all the year round. What are more useful, or give more character to the funeral piece than the Lily?

We have, and can deliver at any time cold storage lilies, and can refer you to hundreds that are growing them. Why not you?

LILIUM LONGIFLORUM GIGANTEUM is the only longiflorum that gives satisfaction from cold storage. We offer them as follows:

ARTHUR T. BODDINGTON, Seedsman
342 WEST 14th STREET NEW YORK CITY

LILIUM LONGIFLORUM GIGANTEUM (repacked).

6 to 8 inch bulbs, 400 in a case, \$8.50 per 100; \$75.00 per 1000; case of 400 for \$30.00.

7 to 9 inch bulbs, 300 in a case, \$9.00 per 100; \$85.00 per 1000; \$25.50 per case of 300.

9 to 10 inch bulbs, 200 in a case, \$14.00 per 100; \$130.00 per 1000; \$26.00 per case of 200.

COLD STORAGE GIGANTEUM

Six to eight inch, 400 to case; six to eight inch mudballed, 300 to case. Case lots at 1000 rates. Prices on application.

AMERICAN ROSE CO., Washington, D. C.

Flower & Vegetable SEEDS

The Best Kinds for Market, Gardeners and Florists

Aster Seed, all the leading varieties.

Tuberose, Dwarf Pearl, 75c. per 100, \$7.00 per 1000.

Dahlias, all the leading sorts. **Roses, Lilies, Cannas, Geraniums, Artichokes.**

JAMES VICK'S SONS SEEDSMEN
ROCHESTER, N. Y.

W. & D.'S SPECIALTIES FOR 1908
Tomato, "The Don," best for forcing. Cauliflower, First and Best. Onion, Allisa Craig. Lettuce, "Ideal," unquailed for indoor purposes. Mushroom Spawn, English and Pure Culture. Mignonette, N. Y. Market. New Catalogue now ready. Free on application.
WEEBER & DON, SEED MERCHANTS
114 Chambers St., NEW YORK

CHOICE PANSY SEEDS

A SPECIALTY
Giant Pansy, Excelsior Strain in mixture of the most beautiful and newest giant flowering kinds. 1/2 oz. \$3.00. Postage paid. Cash with order.
Ask for price list and testimonials received from American nurserymen.

V. FROMHOLD & CO., Pansy Seed Growers
Naumburg Saale, Prov. Saxony, GERMANY

Established 1900
POAT BROS.
(Formerly of Eittricks, Va.)
BULB GROWERS
HIGHLAND PARK RICHMOND, VA.
NARCISSUS, TULIPS, IRIS
PAEONIES, CROCUS
SEND FOR CATALOGUE

PANSY SEED
THE JENNINOS STRAIN
New crop, now ready. Large flowering. In great variety of fancy colors, finest mixed, one packet of 1000 seeds, \$1.00; 1/2 oz., \$2.00; 1 oz., \$4.00. Cash with order.
E. B. JENNINGS, SOUTHPORT, CONN.
Lock Box 254
Grower of the Finest Pansies

Our Specialty
In the Fall will be
HOME GROWN LILIUMS, GERMAN and JAPAN IRIS.
When in the market let us quote you prices.
JOHN LEWIS CHILDS, Floral Park, N. Y.

When You Buy Bulbs, Why Not Get Our
GOLD MEDAL BULBS
They are the best that money can buy. We are always ready to quote you specially on your requirements.
Remember that we grow more bulbs than all other growers in the State put together.
Send for Price List.
HUBERT BULB CO., Portsmouth, Va.
Gold Medalists, Jamestown, 1907.

ROSES

In Variety, 2, 1.5 and 7 in. pots in extra fine condition. Write for particulars.
The Elizabeth Nursery Co.
ELIZABETH, N. J.

FISKE SEED CO.
Make a specialty of
ASTER SEED

All the leading varieties
Also **FLORISTS' SEEDS** for immediate planting
H. E. FISKE SEED CO.
12 & 13 Faneuil Hall Square BOSTON, MASS.

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION
George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

IMPORTS OF SEEDS, ETC.—June 9.—S. D. Crosby & Company, 26 bushels garden seed; J. M. Thorburn & Company, eight bushels garden seed. June 10.—Peter Henderson & Company, five cases plants. June 15.—J. M. Thorburn & Company, 18 bushels grass seed.

COMMITTEE ON SEEDS.—We have been advised that the following members of the New York Produce Exchange have just been appointed by the president to serve on the committee on seeds for the ensuing year: Wm. Jacot, Marshall H. Duryea, Ernest Wehnecke, O. W. F. Randolph, Chas. Wimmer.

BALTIMORE, MD.—J. Bolgiano & Son, seed merchants, have opened a poultry food manufacturing plant here. The plant has a capacity of over 250,000 bushels of food a year. Mr. Bolgiano says the food trade has increased rapidly in the last few years, and he is shipping large quantities to all parts of the United States.

CULINARY PEAS.—Seed of Velocity and Gradus were planted in northern Jersey, March 30, one 75-foot row of each variety, seed of Velocity having been received direct from England. The weather conditions were, on the whole, favorable, although considerable cold weather was encountered in April. Both varieties made a splendid growth, and at time of maturity Gradus averaged about 3 inches higher than Velocity, the latter being much smaller in foliage. The first picking of Velocity was made June 7, but it was not until June 9 that the pods were absolutely full, at which time a second heavy picking was made. The first picking of Gradus was made June 15, showing Velocity to be fully seven days ahead of Gradus in maturing; thus, as an extra early pea, Velocity shows well to the front.

European Notes.

The hot wave from the North Pole has traveled south very rapidly and developed intensity in its progress, so that southern Europe is just now like a seething caldron and the different crops are developing with a rapidity truly remarkable.

Onion is improving wonderfully and if our European varieties, particularly the common flat yellow, were adapted to your climate they could be bought for a mere song. Owing to a slack sale of the bulbs during the winter, the acreage planted is simply immense, fully sufficient for two years' consumption, while the quantity of yearling seed on hand is very great. Globe onions are not so abundant and a good clearance of these was effected last season.

The greatly reduced acreages of beet and mangel planted this year has caused growers to hustle round for other crops to take their place; the result is that snap (dwarf) beans have been planted, sufficient, in the opinion of one of the oldest French growers, to reasonably satisfy the demands for the next five years. While beets will of necessity advance in price it is hardly probable that the reduced acreage of mangel will cause any great advance in price except for

建 JAPAN BAMBOO STAKES, for Chrysanthemums, Lilies, Gladiolus, etc. Durable, strong, 6 feet long, about 3-8 in. diameter, 65c. per 100; \$5.00 per 1000; \$9.00 per 2000.
ASPARAGUS Plumosus Nanus seed, true, 50c. per 100; \$3.00 per 1000; \$5.00 per 2000.
ASPARAGUS Sprengeri Seed, true, 15c. per 100; 75c. per 1000; \$1.25 per 2000.
NEW PURE WHITE FREESIA "SNOW-DRIFT," Absolutely pure white flowers; stems, strong, bearing a profusion of large, milk-white blossoms; early bearer.
100 1000
Select flowering bulbs \$1.25 \$10.00
First size bulbs 1.70 15.00
Mammoth bulbs, doz., 50c. 2.00
H. H. BERGER & COMPANY
70 Warren St., NEW YORK CITY

FISCHER'S
Grand Freesia Purity

A magnificent giant white **FREESIA**, when once tried, will always be grown. Write for prices. Delivery in July.

RUDOLPH FISCHER
SANTA ANITA, CAL.

ASPARAGUS PLUMOSUS NANUS
per 1000 seeds, \$2.00

ASPARAGUS Sprengeri
per 1000 seeds, 75c.

W. C. BECKERT, NORTH SIDE
PITTSBURG, PA.

MUSHROOM SPAWN
made "Direct from Spores" of Selected Mushrooms
Nature's only way of producing Spawn.
If your Seedsmen cannot supply you write direct to us for pamphlet.
ANGLO-AMERICAN SPAWN CO.
Kennett Sq., Pa.

FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture **MUSHROOM SPAWN**, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. In postage stamps. Address **American Spawn Company, St. Paul, Minn**

VIOLET CULTURE
Price, \$1.50 Postpaid
A.T. DeLa Mare Pte. & Pub. Co. Ltd., New York

Stokes Standard Seeds.

For Florists and Market Gardeners. Send for Catalogues and Special Prices on your wants in FLOWER or VEGETABLE SEEDS and BULBS.

Stokes Seed Store.

219 Market Street, PHILADELPHIA

the mammoth long red. Already dealers are besieging the growers of this article and advance orders are freely offered at 30 to 40 per cent. above last October figures.

So far as Europe is concerned the highly valuable half-sugar mangels are not so well appreciated (France excepted) as they deserve to be. Growers, in consequence of the limited acreage standing, are hoping to obtain a small advance on last season's prices, but the quantity of yearling seed on hand makes it doubtful if they will succeed.

Your correspondents who are interested in sweet peas have on several occasions called attention to the lack of appreciation of this beautiful flower on the part of the French people. It is therefore a very significant fact that the tricolor bouquet presented to President Fallières on leaving England by the officers of the French Man of War "Leon Gambetta" was composed of red, white and blue sweet peas. This should be cheering news to California.

As regards other flower seeds, pansies are prospering and promise a good crop. It is needed. Wallflowers are dying off rapidly, owing to the heat, but the crop of the single-flowered varieties will be large enough. Nasturtiums are moving at last, but the acreage is very much reduced.

Sweet peas sown in November last are making up well and will soon be at their best. The sowings of several of the new and very expensive varieties are a source of much annoyance.

EUROPEAN SEEDS.

Seed Trade Notes.

Trade in every branch of the seed business is now clearly showing the end of the planting season; there are still quite a few last filling-in orders coming at both wholesale and retail, but their aggregate amount is small when compared with recent heavy sales. But, of course, now we expect the end of the Spring seed business; which, on the whole, has been most satisfactory, and, indeed, to speak frankly, very much larger than any of us expected, or it might be said even dared to hope for so soon after the financial panic of last October. Plant sales continue in quite goodly volume, especially in bedding plants; this long stringing-out of both the vegetable and flowering plant business this season, is no doubt largely due to the continuing rainy weather, which on the one hand keeps interrupting the work of planting, and on the other encourages continued setting-out of everything at all seasonable in this line.

As regards the outlook for the coming seed crops for 1909 sales, growers are as yet most conservative in giving opinions regarding the hoped-for final results. If we could only now have some general good growing weather for a few weeks, the situation as a whole would be very much improved, for there can be no question but that in many sections the long and still continuing rainy and consequently sunless weather is making itself quite adversely felt.

The Midsummer catalogues are appearing, and early indications would all seem to point to an especially good business in potted strawberry plants, and cbery plants, as well as turnip, mangold, beet, and other seeds for late planting. Vine seeds in all the popular sorts of cucumbers, melons and squashes, have since the first of June enjoyed particularly large sales, and will continue to do so for at least another month.

Grass and clover seeds are beginning at last to show signs of somewhat lower prices; this is very satisfactory to the trade as a whole, as there can be no question but that the high rates prevailing in this line for so long have very materially curtailed orders. One reason for the persistent high rates for everything in this line the past season would seem to have been the increased demand for the better grades of seeds of both grasses and clovers, which, no doubt, has been directly caused by the persistent Government and State agitations and in-

PANSY SEED

BROWN'S extra select superb GIANT PRIZE PANSIES awarded Silver Medal, St. Louis Exposition, 1904



It is a well-known fact that my superior strain of PANSIES is the finest in the market and has won prizes wherever exhibited. Flowers are from three to four inches in diameter. In beauty they are unsurpassable and in color they are incomparable.

My own grown seed, new 1908 crop ready. Your own selection, light or dark mixture:

3,000 Seeds	\$ 1.00
1-4 ounce	1.50
1-2 ounce	2.50
1 ounce	5.00
1-4 pound	14.00
1-2 pound	25.00
1 pound	50.00

Plants ready September 1

Cash With Order

PETER BROWN

PANSY SEED GROWER

124 Ruby St.

LANCASTER, PA.

vestigations along this line, the natural result of which has been a much larger and wide-spread demand for the very highest grades of everything in grass and clover seeds. Planters now require very little urging to supply their needs with the best qualities obtainable. V.

Iowa Seed Dealers' Association.

That the pure seed law of Iowa, which went into effect July 4, 1907, and which after a year's trial has been found defective, should be changed and amended was the decision reached by the Iowa Seed Dealers' Association, which met in second annual convention last week. The provisions of the law were literally torn to pieces by the seedsmen who attended the convention in the discussions which were held.

For several hours State Commissioner H. R. Wright stood before the convention and answered questions asked by the seedsmen in regard to the law. Mr. Wright heartily agreed with the members of the organization that the law is unsatisfactory and needs to be changed.

The chief objection found with the present pure seed law is that there is no way to get after small town seed dealers who receive consignments of seeds marked "unclean seeds; to be re-cleaned," and remove these tags, selling the seeds as the cleaned product. Mr. Wright said that the law should be changed so that farmers could take samples of seeds to some State commission which would examine the seeds and label them according to the impurities. In this way the farmer would be informed as to the quality of the seeds and could sell them only under the tag.

Professor L. H. Pammel of Ames, one of the three framers of the seed law, said that since the law has had a year's practical test he has seen its defects and admitted that it needed remedy. He said that there should be provision for a State commission to set a standard of seeds. He also declared that he favored an amendment to the law which will take in under the pure seed law all vegetable and flower seeds, as well as agricultural and

field seeds which are now covered by the law.

Commissioner Wright said that during the past year he has observed between 500 and 1,000 cases of where seed dealers might be prosecuted under the pure seed law but because of the law being a new one he had overlooked minor offenses. He declared, however, that in the future he would prosecute every violation of the provisions of the law.

C. N. Page, of the Iowa Seed Company, president of the organization, addressed the convention on the pure seed law. He outlined the objections against it and declared that a remedy must be found. In speaking on the subject, he said, in part:

"When we first met a year ago and formed this organization we were impelled to do so, for, as we thought, mutual protection against the drastic provisions of a law which was unfair to the Iowa seed trade. The so-called Iowa pure seed law as originally prepared, if it had been strictly enforced, would have driven all reputable, responsible dealers out of business or out of the State, but through the joint endeavors and quick, earnest work of some of our members we secured thirty-eight changes in the law before its passage. Its provisions are still too strict, and a careful examination reveals many errors which should be corrected by the next session of legislature, and I would recommend that during this convention we consider the law in detail and suggest such changes as we deem essential. It may be desired, also, to appoint a strong committee to properly present our case before the legislature."

"Many of the States have now adopted seed laws, but those who have made them a study, declare that the Iowa law is decidedly the most common sense and unobjectionable of them all, and it should be, as Iowa is beyond question the best agricultural State in the Union. It is, however, only by comparison with some others which are decidedly bad that we are able to discover any good features in the law. If properly enforced, it might make the quality of seeds sold by the country merchants better, but I am convinced that the regular seed dealers of the State are honestly endeavoring to handle the purest and best grades of seed obtainable.

"Aside from the clearly apparent er-

rors and the features which are unpractical and which could not be enforced, the most objectionable part is that it unfairly restricts the legitimate, honest, seedsmen, compelling him to handle only the finest grades obtainable, for which he is obliged to pay an almost prohibitive price and at the same time throws down the bars and invites the shipment, into our State, of the lowest grades of seeds imaginable. There is a demand for cheap seeds from the farmers as well as the small dealers, and seedsmen in Illinois, Missouri, Wisconsin and other States are permitted to ship in the poorest grades of seeds obtainable, many of them particularly foul with eastern and foreign seeds to ruin our Iowa lands, while the law is such that the sale of a large per centage of the seeds grown by the farmers of our own State is prohibited. Thus the home grown seeds containing comparatively innocent impurities must be exported from the State to be replaced by foul, noxious, eastern or foreign seed. The next session of the legislature should correct this."

Professor Holden of Ames spoke of the annual show of the Corn Growers' Association to be held in Omaha in October. Professor Holden said that Chicago had demanded a deposit of \$5,000 for the show and that it was then decided to hold the show at Omaha. He asked the association to co-operate to make the show a success by taking a large display of seeds, representative of Iowa, to be exhibited at the show, which is to be a combined corn and cereal exhibition.

Professor B. W. Crossley of Ames spoke to the convention, asking that the association and the college co-operate in the matter of carrying up the standard of Iowa seeds. His remarks were met with approval and President Page assured the speaker that the association would be glad to co-operate with the college in the matter of seeds.

Others who spoke were James Atkinson, editor of the Homestead and George W. Franklin, editor of the Register and Farmer.

The meeting was declared a very successful session. Nine members were added to the enrollment and the reports of committees showed that great headway has been made during the year of the organization's existence. The afternoon session was followed by a dinner, at which the seedsmen were entertained by the Iowa Seed Company.

President C. N. Page of Des Moines was re-elected. The other officers are: Henry Field, Shenandoah, vice-president; J. L. Hamilton, Cedar Rapids, treasurer; W. C. Adams, Decorah, secretary. The matter of selecting the place for the next annual convention was referred to the executive committee.

A legislation committee was appointed, consisting of C. N. Page, H. H. Johns of Sioux City, and W. C. Adams of Decorah. H. H. Johns was appointed chairman of a committee to take up the matter of securing better freight rates for shippers of seeds.

Among those present were: Mel. L. Webster, Independence; H. H. Johns, Sioux City; C. G. Ouren and O. Younkerman, Council Bluffs; E. M. Cole, Pella; Henry Field, J. W. Ratekin and H. E. Eaton, Shenandoah; B. H. Adams and W. C. Adams, Decorah; B. C. Hansen, Davenport; J. A. Kramer and John T. Hamilton, Cedar Rapids; J. F. Sinn, Clarinda; W. W. Vansant, Farragut; G. L. Bissell, Ottumwa; F. J. Olson, Ames; N. S. Burt, Burlington; M. Young, Jr., Winterset; William Brown, Mitchellville; besides the local dealers; E. J. Hoberger, Guthrie Lorenz Company and Iowa Seed Company.

Detroit.**Trade and News Items.**

School graduations and a couple of convention banquets made matters a little more interesting for some of our florists. To draw conclusions between supply and demand is entirely out of the question; the wholesalers are more worried as to the expense of carting the surplus away than about anything else.

Local parks are about all replanted in their Summer garb, which is getting to be a more pretentious job from year to year. The number of plants used this year, from bedding stock to palms 25 feet high, comes close to the half million mark.

The various sore fingers, etc., created through the recent ball game among the boys are all healed up and the question when the next game shall be played is uppermost with all. FRANK DANZER.

NURSERY DEPARTMENT.

Conducted by Joseph Meehan.

AMERICAN ASSOCIATION OF NURSERMEN.

President, Chas. J. Brown, New York; vice-president, C. M. Hobbs, Indiana; secretary, George C. L. Senger, Rochester, N. Y.; treasurer, C. L. Yates, New York.

Peonies and Sweet Williams

Horticultural Hall. At the season of its best appearance there were also some lovely beds of roses, pansies and other early blooming plants in flower. This bed of mixed plants was photographed to show how well some beds can be filled by using several kinds of plants. Peonies and sweet williams compose the bulk of the plants in it, but there are a great many other plants used as well. We noticed, besides the two named, such sorts as lilies, irises, spiraeas, roses, larkspurs and baptisias, and an assortment of small-growing shrubs, so that when the peonies and sweet williams were out of flower, the bed was still full of plants for Summer; an old-fashioned mixed plant bed, in fact. The best display of flowers for the season was when the photograph was taken in the month of June, and it shows the features of the bed at that season.

The tall tree in the distance is a pyramidal form of the ginkgo, *Salisburia adiantifolia*. The ginkgo varies greatly in character; some are much more spreading than others. Pruning when young adds to their bushiness, but some are naturally much more spreading than others. The large bed of shrubs on the right consists of rhododendrons, azaleas and various shrubs. *Hydrangea paniculata*, the upright flowered one, is there; there are *Spiraea Anthony Waterer* and a few other Summer-flowering shrubs; while quite a few tall-growing herbaceous plants, such as foxgloves and *Lobelia cardinalis*, are interspersed among the rest.

On the left of the drive are several shrubs or small trees, new when they were put there, but well known now, such as *Xanthocephalus sorbifolia*, *Acer polymorphum*, *Staphylea colchica*, *Syringa japonica*, *Acer latum*, together with *Exochorda grandiflora* and other nice things. The two pruned, cone-like specimens are *Carpinus betulus*. European hornbeam, always reliable and interesting in plantings.

Among the Perennials

One of the oldest known garden perennials and still wanted in all collections is the old rose campion, *Agrostemma coronaria*, the crimson-flowered one. In June, its flowering month, it is almost the most attractive plant in a large collection, and it bears scattering flowers for some time after its crop is over. It will flourish, too, in drier places than many plants will.

Spiraea aruncus, a native of our woods, is a good plant for the herbaceous garden. In appearance, it is like a huge *Spiraea (astilbe) japonica*, growing to a height of four feet, but its plumes of flowers are not as clear a white as those of *japonica*.

Digitalis grandiflora has yellow flowers, rather uncommon in this genus of plants as seen in cultivation. It is a conspicuous flower in a collection of herbaceous plants, as its spike of large yellow flowers grows two to three feet high. It is known under the names of *ambigua* and *ochroleuca*, as well as *grandiflora*.

Oenothera futeosa, Youngi, speciosa and missouriensis, all have large yellow flowers, excepting *speciosa*, which has white ones, and all are June blooming. *Missouriensis* is a particularly large-flowered one, and it has a prostrate habit of growth, but is vigorous and strong in all its parts.

Our illustration represents one of the mixed beds of flowers at Fairmount Park, Philadelphia, near Horticultural Hall.



Sweet Williams and Peonies

color of this poppy. *Papaver Rhoeas* is the old corn poppy, so familiar in the grain fields of Europe; and there are pretty double forms of this species. *Campnula rotundifolia*, the bluebell or harebell, one of the wild bell flowers of Great Britain, is always an interesting flower, with its deep blue blossoms. In moist, warm seasons, like this has been, it does extra well, its spikes making a foot of length almost. *C. latifolia*, native of the same country, is more showy, being larger in all its parts, its spikes of blue flowers reaching sometimes two feet in height. Both flower in June.

The common monkshood, *Aconitum napellus*, is one of the most beautiful of blue flowered perennials, old sort as it is. Unfortunately, it is a poisonous plant, not to the touch, however, hence it is not so often seen in gardens as it would be otherwise.

C. T. Lincoln writes that every year he loses his apple crop because of "maggots" in them, causing them to drop. This is the work of the codlin moth; and if his trees were not sprayed just as the flowers were fading no doubt the crop will drop again this year, full of "maggots." It is too late now, excepting that a spraying at this time would catch the second crop of insects, probably. The spraying as flowers fall is the main one of all.

S. D. Willard says of the Rome Beauty apple that its foliage is unequalled for ruggedness, and the fruit has a long, strong stem, strong enough to withstand heavy winds. It is of beautiful appearance, a good keeper and of good quality. It may be added that as it comes to our markets it is of fair, uniform size, and always finds a ready sale.

In view of the execration heaped on the Kieffer pear by those who first fruited it and who did not know how to ripen its fruit, it is a source of interest to those who had faith in its merits to notice how orchards containing thousands of trees of it are now being set out. We read of a Mr. Ellert, of Iowa, who has an orchard of one thousand trees of it, the trees growing in sod; and in New Jersey and many other States are to be found many orchards of them. It is not so much its flavor that sells it, as it is its good shipping and good keeping qualities, advantages that no other pear possesses.

There is never a season when enough quinces are to be had in our fruit markets. No one seems to make a business of growing them. If unprofitable it would appear that raising the price of the fruit would not be objected to. The quince likes deep, rich, moist, well-drained ground. The orange quince is the best of all.

Cherries of all kinds are bearing abundant crops this year. Even the wild Mazzards are loaded. This is good news for nurserymen, as the Mazzard is the one used for stocks chiefly, and last year the crop was a failure

everywhere, so that all stocks of it this year are reported ones, not from imported seed of last year.

Columbines, generally, one of the English types, do well when grown in a place free from much direct sunlight in the noon hours. On the east or north side of a building is a good place for it. It is a prolific bearer, has fruited fruit of the English type, which in color is yellowish green. Nurserymen safely recommend it as a good sort.

Spraying of seedling fruit stocks, cherries, pears, plums and the like, should go on all the time they are growing, and until Fall, at intervals of about a month. Some of the earliest experiments in spraying with Bordeaux proved that even in the case of two blocks of seedling pears neither of which had leaf blight, the sprayed block made better stock than the unsprayed, spraying in some way helping growth.

Preserving Old Trees

As is well known, it is but the inner bark of a tree that has life in it. The heart has no life, but so long as no decay sets in the well-doing of the tree is assured. It is when the heart begins to decay that a tree is in danger, chiefly from the spread of decay and because there is nothing to sustain it in storms, and winds are apt to throw it down. From one cause or another, many trees have lost portions of their live bark, leaving large holes displayed, and showing, too, the decayed inner part of the tree, for the wood is bound to decay when air and moisture reach it. Many a large tree has lost so much of its wood in this way that it is hollow from the ground to the top, and often when gales come such a tree comes to its end in being blown down. The value of cementing such hollows in trees is now well understood. First of all, every bit of the decayed parts is gotten out, by scraping and in other ways. Then a washing or spraying with Bordeaux mixture is given it, to destroy any fungus germs that may be there, after which the bottom is filled completely with cement. One mistake is made by some who have thus repaired their trees. They allow the cement to fill in to the outside line of the bark. This should not be; it should not be out further than the inner line of bark, for, strange as it may seem, when the cement is to the outer line the new bark forming year by year has strength enough to wedge the cement so tightly as to crack it, as many cases seem to verify. The mass of cement in the hollow of a tree acts as a pillar to it, sustaining it in gales, rendering its blowing down far less likely than were it to remain hollow; and with the ending of the decay of the heart, old trees become almost as good as new. After the cementing is finished the cement can be painted to match the color of the bark of the tree.

Notes on Fruits

A German horticultural paper refers to a white strawberry as something unknown to many persons. This may be, but as a white one, called Lemmig's White, was cultivated in Philadelphia 50 years ago, it is nothing new. Something of merit had to be claimed for it, and it was said to be of better flavor than other kinds, but no one but the disseminator appeared to think so.

When wine making was popular in Pennsylvania the Clinton, Ives, Elvira, Goethe, Catawba and Delaware grapes had to be kept by nurserymen, but the Delaware is the only one of the lot in collections to-day. For table use Concord, Worden, Moore's Early, Campbell's Early, Niagara, Lindley, Salem and Brighton are mostly called for, and these are what nurserymen list. The flavor of such old kinds as Moore's and Concord suits the general taste, evidently. JOSEPH MEEHAN.

Evergreen Privet and Other Matters

In The Florists' Exchange for February 8, 1908, in the Nursery Department, there is a paragraph relating to two sorts of evergreen privet, *Ligustrum japonicum* and *L. lucidum*, and calling attention to their value for growing in pots. As the California privet will grow here, I assume that these two varieties will also, and this leads me to ask you for a little information about some other things. There is beginning to be some little call for plants of this sort here, and I want to ask you if the magnolias, box, laurel, etc., will grow in a limestone soil? I know from my own experience that the rhododendron and azalea will not, but as to the other kinds named I do not, and hence will be very grateful for the information. Our soil here is a lime soil, and our climate beastly—extremes of heat and cold, wet and dry—and something of an ornamental nature that can be handled in pots is desirable.

Ottawa, Kan. J. E. FRIZZARD.

I think the privets would grow in your limestone soil, also magnolias and box, but am afraid kalmias would not. As you say, rhododendrons and azaleas will not; but if you wish to grow them in pots why not get a carload of good soil elsewhere for the plants? This is done here on private grounds, and is quite common with nurserymen in Europe.

I cannot say whether the privets, *lucidum* and *japonicum*, would live out with you; from what you say of your climate I should think it unlikely. They are in about hardy with us; but it is different if you think you keep them in pots. JOSEPH MEEHAN.

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Bon Silene	Grass an Teplitz
D. of Brabant	Hermosa
Queen's Scarlet	Sunrise, 100, \$3.50
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\$3.00 per 100.	Joe Hill, 100, \$4.00
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INDEX TO STOCK ADVERTISED. A detailed list of plant species such as Abutilon, Adiantum, Agrostis, and various dahlias, with corresponding page numbers.

Table listing various florists and their contact information, including names like Wilson, Robert G., Woodrow Samuel, and various nurseries.

FIRMS WHO ARE BUILDING.

Items for insertion under this heading are respectfully solicited from our subscribers. They are published free of charge.

THORNTON, PA. Joseph Arnold Co. has just received a shipment of another green...

CHANGES IN BUSINESS.

The Florists' Exchange will be pleased to publish under this heading all changes occurring in the addresses of firms connected with the trade...

NEWPORT, R. I. A Warren Spalding has opened a florist's store here.

AMHERST, CONN. Mrs. William Savage has sold her flower store on West Main street to C. W. Blodgett of Southampton.

BAR HARBOR, ME. The Mount Pleasant Nursery flower store will shortly be open for business.

DENVER, COL. The Washington Park Floral Company has been incorporated with a capital stock of \$25,000.

WEST CHESTER, PA. Walter Balle is erecting three greenhouses for his son near the links of the Delaware County Country Club.

FORT DODGE, IA. Otto Hanson, a former employee of P. L. Larson, has bought two lots here on which he will erect a greenhouse.

HAIL NEWS.

SHAWNEE, OKLA. This town was bombarded on the night of June 9 by a twenty-minute hailstorm.

CATALOGUES RECEIVED.

PETER HENDERSON & COMPANY, New York, Illustrated Catalogue of Strawberry Plants, Vegetable Plants and Seeds.

FIRES.

MANSFIELD, MASS. The greenhouses of Frank F. Sheppard were entirely destroyed by fire on the 11th inst.

FORT HUNON, MICH. The greenhouses of Matthew Ellenbruch, which were totally destroyed by wind, causing a damage of \$6,000, will be repaired immediately.

PAMPHLETS RECEIVED.

CULTURE AND HISTORY OF WINTER-FLOWERING SWEET PEAS. By Ant. C. Zvolanek, Bonnd Brook, N. J.

Worcester, Mass.

Worcester florists are still on the jump. Much planting is being done and orders for children's Sunday are coming in.

Boston.

News Notes.

The Garden Committee of the Massachusetts Horticultural Society have been exceedingly busy lately.

S. J. Goddard of Framingham is making extensive improvements to his heating plant.

Lecture and Club Meeting.

About 150 members attended the meeting of the Gardeners' and Florists' Club on Tuesday evening last.

There were few exhibits on the tables; R. & J. Farquhar & Company showed their seedling billes.

Buffalo, N. Y.

News Notes.

Business the past few weeks has been good in the decorative line.

TRADE NOTES.

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Boston, Buffalo, Worcester, Mass. \$27
Washington, D. C., Baltimore, Los Angeles, Tarrytown, Newport, R. I. \$34

Pittsburg \$25
Cincinnati \$36
New York, New Bedford, Chicago, Grand Rapids \$41
St. Louis \$42
Philadelphia \$43
Kalamazoo \$41
Week's Work, The \$37
William Scott Monument Fund \$34

Contents

Table of Contents listing various sections and their page numbers, including American Association of Nurserymen, Canadian News, Catalogues Received, and various trade notes.

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KENTIA BELMOREANA		Each Per doz.	
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JOTTINGS FOR FLORISTS

BY EDWIN LONSDALE

Adiantum cuneatum and others

I read somewhere recently, but I cannot recall where, that in some quarters there seems to be a disposition to use *Adiantum cuneatum* for its cut fronds in preference to either *A. hybridum* or *A. Croweanum*, because they are less stiff, it was said, in floral work than are the fronds of the two last named. I referred the matter to Mr. Clark, head of the fern department of the Henry A. Dreer, Inc., and he said he could not understand how that could be, when both are much more durable than is the older *A. cuneatum*. The call for plants of the last named fluctuates with this firm very much; some years they cannot supply the demand, whereas during the present season there has not been so much call for it as there was in some former years.

If *A. cuneatum* is considered so much superior to the coarser growing *A. Croweanum*, on account of its superior grace why not go further and use that beautiful form of *cuneatum*, namely *A. gracillimum*? But neither of them will stand any length of time when used among cut flowers.

I asked Mr. Clark what was the difference between *A. Croweanum* and *A. hybridum*, if any. He said when plants of either were in the smaller stages of growth he would defy anyone to point out the difference, but when grown into specimens, say, in 8-inch pots or over, there could be detected a difference and went on to explain the technical differences between them. I myself would have to see the plants side by side before I could see wherein the difference lay; but Mr. Clark says there is a difference and a big difference when the increasing of the stock is under consideration. Thus, *A. Croweanum* has to be divided—and in good-sized clumps, too—when an increase in numbers is desired; but with *A. hybridum* all we have to do is to turn the plant out of the pot and slice off the bottom with all the roots intact and turn same upwards and every tip of root when exposed to the light will in due time develop into a plant. That certainly is sufficient difference to satisfy propagators and those who are offering stocks of either for sale.

Calceolaria rugosa This bright yellow shrubby *calceolaria*, which is used, or at one time was used, quite largely in Summer bedding in

Great Britain, is not nearly so often seen in America on private places or among the trade as it deserves to be. Not that it may be recommended to flower all Summer under the climatic conditions of this country, but there are lots of decorative uses to which it might be put to advantage in Springtime, that efforts ought to be made to make of it a specialty, for it cannot fail to give satisfaction where bright yellow flowers would not be out of place. There are also varieties, identical with the one under consideration, excepting in colors, which are rich tones in browns.

We had a very useful lot of the yellow variety, in 6-inch pots, that were used to excellent advantage on Stephen Girard's birthday, May 20.

One reason, I am inclined to think, why the plant is not seen so often as it might be is because it is not an easy subject to carry through the heated term successfully for use to furnish cuttings in the Fall for future use. This only applies to the plants that have become more or less exhausted by excessive flowering. The plan followed here is to take cuttings in Spring before there are signs of flowering, root same and pot into 2 1/2-inch pots and grow along in a cool, airy greenhouse, until all danger from frost is past—I really believe a little frost would do them no harm—and plant them out near to a wall we have here which furnishes shade during the hottest part of the day, where they are now looking happy and contented.

C. rugosa and its varieties may be more easily raised from seed than are the hybrid or herbaceous types, and it therefore ought to be seen more often than it is, not only on private places but commercially. As a cut flower it has not, to my knowledge, been seriously considered, but an experience that my assistant, Ernest Thomas, has had with it indicates that it might be considered favorably for that purpose. Sometime, soon after the plants here were in full bloom, a plant, through the effects of a fungus at the base, broke off. It was noticed to be in a wilting condition a short time before, and after it had been severed from its roots it was plunged into water where it revived and became apparently as fresh as ever it was when growing naturally. In due course it was sent away some distance out of town with other flowers on a sentimental mission, and, strange to say, the *calceolaria* flowers were in good condition when Mr. Thomas saw them three weeks later. What influence was brought to bear upon its lasting qualities has not yet developed, but under the circumstance it

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Scottii Ferns, in 6 in. pots, 40c. and 60c. each
 Ferns, in nice assortment, \$3.00 per 100. **KENTIA** Belmoreana, 4 in., 25c. each. **ASPARAGUS** Plumosus, 2 1/2 in., \$3.50 per 100. **ASPARAGUS** Sprengeri, 2 1/2 in., \$3.00 per 100. **AGERATUM** and **Mue.** Salleroi **GERANIUMS**, 2 1/2 in., \$2.50 per 100.

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 Will arrive shortly: **Cattleya Gaskelliana**, **C. Mendelii**, **Phalaenopsis Schilleriana**, **P. Amabilis**, **Dendrobium Phalaenopsis**.

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ORCHIDS

We are now booking orders for freshly imported orchids of all leading kinds to arrive during 1903, at greatly reduced prices. Write us for information as to kinds and prices.

We have just received the following orchids: **Oncidium Tigrinum**, **O. Barceles**, **O. Forbesii**, **Sophranitis grandiflora** and **cucinea**.

LAGER & HURRELL, Summit, N. J.

ought to be worth while for others to try this *Caleocharis rugosa* for the same or at least a similar purpose.

Dianthus latifolius In order to popularize this very worthy hardy dianthus some inventive genius should give it an appropriate common name. In Dreer's catalogue it is designated the "Everblooming Sweet William," but that hardly seems a sufficiently distinctive title for something so superior to the well-known *Dianthus barbatus*.

I do not remember when anything impressed me so favorably as does this comparatively new crimson dianthus, which is now in full bloom and has been for the past two weeks. According to its pedigree it is a hybrid between a sweet william and a selected form of the annual *Dianthus chinensis*. In color its flowers are a deep rich velvety crimson, and it is at the present writing as full of its beautiful blossoms as it is possible for a plant to be.

This is its second year with us. Seed was sown under glass March, 1907, and in due time the little plants were planted outdoors, six inches apart. Most of the plants produced flowers during its first Summer. Every plant came through the Winter unscathed without protection, and after growth had commenced in the Spring, every alternative plant was transplanted a foot apart continuing the row across the experimental garden plot. As before stated, it is most certainly a very satisfactory hardy flowering plant. It possesses the three great essentials in the make-up of a popular plant; it is hardy, it is free blooming and it is of a very pleasing shade of color.

As might have been expected, plants—the result of such a violent cross, namely, a hardy perennial and an annual, for its parents show a variety of types among them. The plants are more uniform in the production of their crimson-colored flowers than in any other one particular, and among them there are with us two exceptions to that rule—these produce flowers of a deep rose pink color, one plant of which, on account of its producing fairly long stems would answer quite well as a Summer outdoor cut flower, so also would many of those producing the crimson flowers. Those plants which were transplanted this Spring grow less tall and more compact than do those that were left undisturbed and these vary a great deal in this respect, some being quite dwarf and very compact, while others are a foot or more tall. Some plants produce single flowers, while many have double flowers, yet not too double; as a rule, double flowers are more durable for cut blossoms than the singles. I have not had sufficient experience with it to know whether or not it seeds freely; generally speaking when a plant seeds freely it shortens the time of its flowering.

I expect to select some of the best and most pronounced types, lift them in the Fall and make an effort to raise some plants from cuttings, which I feel sure will prove quite interesting. It is not known to me by whom or with whom this valuable plant originated, but it would be very interesting to know whether the sweet william or the Chinese pink was the seed parent; and it would also be interesting to know what colored flowers were used. It is not often, so far as I am aware, that the Chinese pinks produce flowers of so pleasing and dark a crimson as is found in this new variety, but it is very frequently seen among sweet williams. Theoretically it would seem as though the Chinese pink was the seed parent and a crimson double-flowered sweet william furnished the pollen. If that be so, there is no reason why there should not be established as many colors in *Dianthus latifolius* as there are to be found among the *Dianthus barbatus*.

Rose Crimson Rambler When taking a trip a few days ago through the suburbs of Philadelphia I could not help thinking, when seeing so many plants in bloom, of the hardy rambler rose heading this note, how abundantly it has made good. It was in 1893 or '94 when this rose was so lavishly advertised by colored lithographs, etc., that caused me to spend a dollar, for which I secured three small though very thrifty plants. Two of these I planted for my own gratification, and the third was given to a neighbor; and it is still flourishing with two others that had been planted later, having done

duty prior as Easter gifts, and a grand show they do make. Each plant is supported by stout cedar posts and they are trained from one bush to the other forming arches. This display may be seen in the well-kept grounds of a not very large cottage, and I venture to say that no millionaire can boast of anything either inside or outside of his palatial residence that attracts more marked attention or calls forth more genuine expressions of delight than do these Crimson Rambler roses!

Here is a hint for the florist doing business in the suburbs of cities, create a demand for something good that is easily supplied. It is an easy matter in these days to carry a stock of roses, clematis and similar plants in pots ready for immediate delivery at a moment's notice when called for. Widespread nurserymen always keep such plants on hand, readily obtainable, and such plants go far to insure successful planting; thus is horticulture materially promoted.

For distant effect the Crimson Rambler leads all other roses, such a bright cheerful crimson color is it! The Philadelphia Rambler it has never been my good fortune to see when in flower, so that I have not had an opportunity thus far of making critical comparisons. Antoine Wintzer, vice-president of the Conrad & Jones Company which firm disseminated the Philadelphia Rambler, says of it that it is undoubtedly the brightest of all hardy crimson climbing roses, and I understood Mr. Wintzer to say that it is a seedling raised by Dr. Van Fleet, associate editor of *The Rural New-Yorker*, but its parentage I am not so sure about. Was it a seedling from Crimson Rambler fertilized with pollen taken from that rich crimson-flowered hybrid remontant, Victor Hugo?

Dorothy Perkins is also in bloom at this time and very beautiful it is to look upon with its well-formed pink buds in large clusters and glossy foliage, but to be planted where it may only be seen in the distance there is no comparison between it and the Crimson Rambler.

The origin of Dorothy Perkins is known to be a cross between Wichuraiana and the celebrated Madame Gabriel Luizet. That being known, could not a cross be made between Wichuraiana and a deep crimson-colored flower belonging to the same class as Mme. Gabriel Luizet, namely, the hybrid remontant, and in that way make an improvement on the foliage as found in the Crimson Rambler? For although Ramblers generally are outdoor grown, Dorothy Perkins and all the Wichuraiana hybrids, so far as I know, are less subject to mildew than is the older Crimson Rambler.

ROSE PLANTS

Own Roots, 3 1/2-in. pots.
 2000 BRIDES, \$6.00 per 100; \$50.00 per 1000.
 RICHMONDS, Ready now; from 2 1/2-in. pots, \$5.00 per 100; \$45.00 per 1000.
 2500 BRIDES, 2-in. pots, \$3.00 per 100; \$25.00 per 1000.

THE LEO NIESSEN CO.
 Wholesale Florists
 1209 Arch St., Philadelphia, Pa.

ROSES

Strong, clean stock.
 Grafted Killarney, Richmond, Brides and Maids, \$12.00 per 100; \$110.00 per 1000.
 Own roots, Brides, Maids, Gates, Ivory, Perle, Killarney and Richmond, \$6.00 per 100; \$55.00 per 1000, all from 3 1/2 in. pots.
P. R. QUINLAN, Syracuse, N. Y.

ROSES

Own Roots
 Brides, Bridesmaids, Richmonds, 3 in. pots, \$6.00 per 100; \$50.00 per 1000. Strong selected stock. Ready now.
S. J. REUTER & SON, Inc., WESTERLY, R. I.

A. N. PIERSON, Inc., CROMWELL, CONN.

GRAFTED ROSES

NOVELTIES
 MRS. JARDINE, RHEA REID, QUEEN BEATRICE.
 The above \$6.00 per doz., 50 plants for \$18.00, \$35.00 per 100.
 MY MARYLAND, 50c each \$5.00 per doz., \$35.00 per 100.
 On own roots, 2 1/2 in. pots, \$20.00 per 100, \$200.00 per 1000, 3 in. pots, \$5.00 per doz.

STANDARD VARIETIES
 Aurora, Bon Silene, Bride, Bridesmaid, Enchanter, Etelle de France, Franz Doegen, Gen. McArthur, Hermosa, Kate Monlon, La Detroit, Maman Cochet, Marcehal Niel, Rosalind, Orr English, Sony, de Wootton, Wellesley, White Cochet.

GRAFTED, 2 1/2 in. pots, 20c each, \$2.00 per doz., \$15.00 per 100, \$120.00 per 1000.

OWN ROOT ROSES
 From 2 1/2 in. pots, repotted from 2-inch.
 Killarney, Bride, Bridesmaid, Ivory, Richmond, Mme. Abel Chatenay, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000.
 3 in. pots, \$8.00 per 100; \$75.00 per 1000.

COLEUS
 Verschaffeltii, Golden Queen, Beckwith's Gem, Golden Bedder, Fancy Varieties. A very fine assortment.

AGERATUM.
HELIOTROPE.
 2 in. pots, \$2.00 per 100; \$15.00 per 1000.
ASPARAGUS PLUMOSUS NANUS SEEDLINGS.
 From flats, \$10.00 per 1000.
BEGONIA Gloire de Lorraine, Strong young plants, 2 1/2 in. pots, \$15.00 per 100.

CHRYSANTHEMUMS

READY FOR SHIPMENT
 Virginia, Bachmann, Angele Laurent, Golden Dams, Miss Jeanne Rosette, Money Maker, From 2 1/2 in. pots, \$2.00 per doz., \$15.00 per 100.
 Mrs. Clay Frick, Zimmers Yellow, Mary Mann, From 2 1/2 in. pots, \$1.00 per doz., \$6.00 per 100.
 Rooted Cuttings, \$5.00 per 100.
CHOICE POMPONS, Klondyke, Quinola, CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita, From 2 1/2 in. pots, \$1.00 per doz.

STANDARD VARIETIES
WHITE—Early: George S. Knib, Polly Rose, Early Snow, October Frost, Mid-Season: Clementine Tolset, White Shaw, Mrs. H. Robinson, Beatrice May Merza, Nivous, Alice Byron, Eureka, Miss Minnie Wanamaker, Adella, Late: Mrs. McArthur, Timothy Eaton, Merry Christmas.

PINK—Early: Glory of the Pacific, Rostere, Mid-Season: J. K. Shaw, Adella, William H. Duckham, Dr. Eugehard, Morton T. Plant, Late: Maud Jean, The Harriott, Mayor Weaver, Mrs. James Marshall.

YELLOW—Early: Monrovia, Mid-Season: G. Pletcher, Col. D. Appleton, Late: Major Bonaffon, H. W. Belman, Yellow Eaton.
RED—Collingford, Mertham Red, Matchless, **BRONZE YELLOW**—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Lala (White), From 2 1/2 in. pots, 5c each, 50c per doz., \$3.00 per 100, \$25.00 per 1000.
 Rooted Cuttings: \$2.00 per 100, \$15 per 1000.

NOVELTIES FOR 1908
 Golden Glow, Pacific Supreme, White Cloud, Golden Eagle, Lynnwood Hall, 2 1/2 in. pots, \$5.00 per doz., Ready for shipment.
BOUVARDIA—large white, 2 1/2 in. pots, \$1.00 per 100, \$35.00 per 1000.

60,000 GRAFTED ROSES

Chatenay, Killarney, Richmond, Liberty, La France, 3 1/2 inch pots, \$18.00 per 100.

Bride, Bridesmaid, Golden Gate, Kaiserin, 3 1/2 inch pots, \$15.00 per 100.

OWN ROOT ROSES
 BRIDE, BRIDESMAID, KILLARNEY, RICHMOND, CHATENAY, 3 inch pots, \$7.00 and \$9.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

GRAFTED ROSES

2500 KILLARNEY, 4-in. pots, \$20.00 per 100; \$150.00 per 1000.

Chrysanthemum Stock, 2 1/2 in. pots

PINK		YELLOW		WHITE	
	Per 100		Per 100		Per 100
A. J. Balfour	\$2.50	Col. D. Appleton	\$2.50	Ivory	\$2.25
Pacific	2.25	Gold Mine	4.00	Alice Byron	2.50
Maud Dean	2.50	Monrovia	4.00	Mrs. Henry Robinson	2.25
Mrs. Coombs	2.50	Major Bonaffon	2.25	Beatrice May	5.00
Pink Ivory	2.25	October Sunshine	2.50	Polly Bose	2.25
CRIMSON	Per 100	Yellow Eaton	3.50	Timothy Eaton	2.50
Black Hawk	2.25			White Dean	3.50
John Shrimpton	2.25			Yanoma	3.00
Mrs. Partridge	4.00				

EDWARD J. TAYLOR, Greens Farms, Conn.

ROSES and VINCAS

Splendid stock at bargain prices. See list on page 808, June 13.

THE LEEDE FLORAL COMPANY, SPRINGFIELD OHIO

Richmond Rose Plants

From 3 in. pots, for sale at ROSE LAWN GREENHOUSES, \$7.00 per 100.
 Cash with order.

J. HENRY BARTRAM, Lansdowne, Pa.

A RECORD TO BE PROUD OF

The Florists' Hall Association has paid 1,206 losses amounting to \$116,000.00.
 For particulars address
JOHN C. ESLER, Saddle River, N. J.

GET OUR PRICES ON Galvanized Wire Rose Stakes and Tying Wire IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Fuchsias, Golden Glow, Peonies, Chrysanthemums and Tomatoes

63-71 Metropolitan Ave., BROOKLYN, N. Y.

ROSES

The following own root stock, in 3 in. pots, at \$5.00 per 100: 50 Bride, 60 Richmond, 75 Bridesmaid, 150 Ivory, 150 Golden Gate, 150 Perle. Also 80 Killarney, 3 1/2 in. pots at \$c. The above is exceptionally good stock.

VALENTIN BURGEVIN'S SONS, Kingston, N. Y.

STOCK YOU NEED—Fuchsias, Little Beauty, large plants, in 2 1/2 in. pots, ready for 3 in., \$3.00 per 100. Feverfew, double white, large plants, out of 2 1/2 in., \$2.00 per 100. Lobelias, Crystal Palace compacta, large clumps, in 2 1/2 in. pots, \$2.00 per 100.
S. A. PINKSTONE, 20-22 Philip St., UTICA, N. Y.

FOUNDED IN 1888



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Seedsman and the Trade in General

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uous advertising. For rates on Wants, etc., see column
for Classified Advertisements.

New England Dahlia Society's Show.

Schedules have been issued by Secretary Fuld for
the first annual exhibition to be given by this enter-
prising organization at Tremont Temple, Boston,
Mass., Thursday, Friday and Saturday, September
17, 18 and 19, 1908. The prize list is a most com-
prehensive one, covering some 123 classes, the
money value of the premiums aggregating about
\$700. Numerous special prizes are offered totaling
almost \$200. Three silver medals will be awarded.
The German Dahlia Society of Leipzig, offers its
silver honor medal for the largest collection of cactus
dahlias of German origin, quality to be consid-
ered. The silver medal of the Horticultural Society
of Lyons, France, will be given for the twelve most
beautiful varieties of French cactus and decorative
dahlias, and a silver gilt medal is offered by the
royal seedsmen, Dobbin & Company of Rothesay,
Scotland, to the most successful exhibitor, first prizes
counting three points; seconds, two, and thirds, one.
W. W. Rawson & Company, Boston, offer a silver
cup for the best seedling cactus dahlia of 1908,
originated and grown by a non-commercial grower.
In addition, twenty prizes will be given by W. W.
Rawson & Company for flowers of special merit
grown by boys and girls under fifteen years of age.
Another prize is for a table decoration of dahlias.

Among other donors of special prizes are H. F.
Burt, Taunton, Mass.; William F. Turner & Com-
pany, New Bedford, Mass.; W. P. Hayden, Rock-
land, Mass.; W. H. Symonds, Marblehead, Mass.;
F. L. Tinkham, Brockton, Mass.; Bessie M. Rupert,
Portland, Me.; John Blauk, Newport, R. I.; Mrs.
L. A. Towle, Everett, Mass.; R. A. Arnold, Danvers,
Mass.; Edwin S. Manuel, Newport, R. I.; George L.
Stillman, Westbury, R. I.; James Stredwick & Son,
St. Leonards-on-Sea, England; A. H. Wing-H. Lenox,
Mass.; Henry A. Orser, Inc., Philadelphia; Henry F.
Michell Company, Philadelphia; Otto Mann, Leipzig,
Germany; and J. Burrell & Company, Cambridge,
England.

The New England Dahlia Society believes that it
has not settled all difficulties in regard to varie-
ties of dahlias which have created considerable argu-
ments with respect to what classes they belong.
This has been accomplished by the provisions of
classes 86 and 87, which read as under:

Death of Alexander Wallace

Editor of this Paper

Stunned and prostrated by the blow, and the
quickness of it all, the news coming to this office
just as the last form was closing for the press, it is
our solemn task to be called upon to notify the
readers of this paper, all of whom were his friends,
and with many hundreds of whom he was pleas-
antly intimate, of the sudden death of our
personal staunch friend, of our faithful co-worker,
ALEXANDER WALLACE.

The shock is so great, the grief so poignant, that
it is impossible at this hour for the writer to more
than record the fact that Mr. Wallace has passed
away to his eternal rest; it is all so inconceivable.
In our next issue we shall endeavor to do justice
to his memory, to his capacity, to his ability, and to
his long-continued and faithful services to the cause
of horticulture and the interests which he has so
well and ably served for so many years.

Few there are like unto him.

Not being in good bodily health for several
months past Mr. Wallace finally yielded to the
advice of his near friends and sought the ad-
vice of a doctor; it was found he was suffering
from heart trouble, brought on by a complication of
physical ailments, and the doctor ordered immedi-
ate and complete rest. For ten days he remained
at home; then the path of duty appealed to him so
strongly, the desire to help others, that, pending
his intention of taking a long vacation, to begin at
the close of June, he came to the office on Monday
and Tuesday of this week, and undertook his rou-
tine work. On Tuesday night he was taken alarm-
ingly ill, and on Wednesday, June 17, at 5 p. m., his
great soul parted from his body, and went to join
his Maker.

Alexander Wallace was born in the village of
Lawrencekirk, Kincairdineshire, Scotland, November
21, 1859, and was consequently in his forty-ninth
year.

The funeral services will take place in the parlor
of the Summerfield Methodist Church, corner of
Greene and Washington avenues, Brooklyn, at
3 p. m., Saturday afternoon, and the interment will
be in Greenwood cemetery immediately following
the services.

Class No. 86. Giant Show Dahlias, including the fol-
lowing varieties: Mrs. Roosevelt, Gettysburg, W. W.
Rawson, Governor Guild, Grand Duke Alexis, General
Miles, Le Colosse, Dr. Kirtland, Cuban Giant, Meteor,
Professor Mansfield and any others similar in size and
form.

No. 87. Cactus Dahlias with coarse florets, including
the following varieties: Mrs. Charles Turner, Master
card, Mrs. J. P. Maco, Les Allées, Mistress Sorese
Dickens, Rosea Superba, Purily, Octopus, Nil Desperandum,
The Czar, Iona, Duc d'Orleans, Die Unschuld,
Lovely Eynsford, Prince of Yellows, Goliath, Miss
Gretta Park and any others of similar form.

The varieties specified for the above two classes are
barred from all other classes.

Secretary Fuld is particularly anxious that other
horticultural organizations throughout the country
giving exhibitions of dahlias, adopt the rules and
regulations of the New England Dahlia Society so
that the judging of these flowers be put on a uni-
form basis. Among the society's rules are the fol-
lowing:

In judging show dahlias approximation to the
typical form of a globe is to prevail over flattened
forms and the loosely-cupped types.

In judging pompon dahlias, the smaller size var-
ieties will have preference over the larger ones.

Society of American Florists and Ornamental Horticulturists.

Appointment of State Vice-President.

President Trendly has appointed V. E. Lambert of
Atlanta as State vice-president for the State of Georgia.
W. N. Rupp, Secretary.



William Barr.

William Barr, a wealthy merchant of Orange, N. J.,
about seventy years of age, and known for many years
as a lover of flowers, died at his residence in Llewellyn
Park on June 16. Mr. Barr gave opportunity to three
men known to the craft as prominent growers; John
Farrell, known for his exhibits at the first Madison
Square Garden shows, and recently retired, after 35
years' service; William FitzWilliam of Buffalo, and
Arthur Bodwell, now in charge of his extensive green-
houses and of whom mention has been made from time
to time in the pages of The Florists' Exchange. He was an
honorary life member of the N. J. Floricultural Society.

Allister David Rose.

Allister David Rose of Montclair, N. J., died on
June 16 of consumption in the 44th year of his age. He
was extensively known to private and commercial

circles from his connection
with both in different
parts of the country. He
served his time with his
father, David Rose, at
Ballindalloch Castle, seat
of Sir George MacPier-
son Grant. Leaving here
when quite young, he
came to America and
worked for a while at
Watertown, Mass. About
1885-8 he was head gar-
dener for Charles Pratt
of Brooklyn. He then
entered the employ of
E. G. Hill, with whom
he was only a short time,
and left to become the
foreman of the flowering
plants and chrysanthem-
ums of Pitcher and
Manda at Short Hills.



N. J. Here he was associated with Joseph A. and An-
thony Manda, Arthur Caparn and others.

For a time he was at Whitestone, L. I., and then en-
tered business in Jersey City as Rose & Garrett. It
was from here that he disseminated the chrysanthemum
Polly Rose, so widely known and extensively grown com-
mercially. At Jersey City, besides the general work of
the commercial florist, he did a great deal of window-box
work, among other places which he supplied being the
extensive factory of Colgate & Company, every window
of which had its box of flowers, and which from its
prominent position attracted universal attention.

In June, 1899, he purchased the business and houses
of A. Michie, Montclair, and for a while ran both places,
finally giving up the stand at Jersey City and confining
himself exclusively to Montclair, where he has remained,
making extensive additions to the plant in 1903, and
again last year.

In Montclair he first attracted attention by his work
in connection with the Town Improvement Association
in 1902 and afterward had the town work of bedding
in the public squares. Decorative work engaged his at-
tention, the decorations for the marriage of the grand-
daughter of Joseph Jefferson in April, 1892, being still
remembered. He took great interest in promoting the
love of flowers among the school children of Montclair
and in 1900 was one of the committee of the New Jersey
Floricultural Society for the distribution of plants among
the schools of this place and the Oranges. He was a
constant exhibitor in the flower shows of the society and
frequently acted as judge. He was among the first suc-
cessful growers of the begonia Gloire de Lorraine in
this section.

Mr. Rose was a member of the New York Florists'
Club, the N. J. Floricultural Society and a Mason.

He leaves a widow and three daughters, who are carry-
ing on the business. J. B. D.

James Leary.

James Leary, one of Newport's oldest jobbing gar-
deners, died at his residence on Wellington avenue on
Saturday the 13th from blood-poisoning. Mr. Leary
was born in Ireland, where in his younger days he taught
school. After coming to this country he took up gar-
dening, for several years being employed with M. But-
ter & Son, florists; but of late years had been doing job-
bing work on his own account. For several years he
taught night school in Newport and many of our young
men attribute to him what they know of arithmetic. He
was a man respected by all who knew him. His funeral,
which took place from St. Mary's R. C. Church on the
16th, the Rev. Edward Tierney officiating, was largely
attended. A. MacL.

"At Eighty."**An Interesting Birthday Celebration.**

On Saturday last, June 13, Mr. C. L. Allen, the well-known seedsman and author, celebrated his eightieth birthday anniversary at his home in Floral Park, N. Y. About one hundred of the friends, children and grandchildren of the veteran gathered there to congratulate him on the occasion. To this assemblage he read a paper which he has entitled "At Eighty," and we are delighted to have Mr. Allen's permission to publish it.

It is not a business paper, yet we guarantee much benefit to every business man who will take the time to peruse it. It is not in any respect a trade paper, but we take pride in the fact that it is the production of an esteemed member of the trade. The essay is the rare expression of a man of equable temperament, and of scholarly habit, who arriving at the age of eighty with mental vigor unimpaired, is enabled to look on life past, present and future with perfect equanimity, and his presentation of that which makes for all there is worth in living, is so refreshing, so grandly and so ably expressed, that we are content to depart for the time being from all that had to do with trade and barter, to lose thought of all else, in the perusal of Mr. Allen's delightful and soul-inspiring summary of life "At Eighty." Read it and be refreshed.



C. L. Allen, Floral Park, N. Y.
"At Eighty."

At Eighty.

BY C. L. ALLEN, SEEDSMAN, FLORAL PARK, N. Y.

This day another leaf has unfolded on the tree of life, another decade completed; one more than the proverbial allotment, which is usually considered the time for giving up life's work, and to rest in its twilight, if there is such a condition as rest following idleness, either of body or mind; or if the mind is alternating between hope and fear as to the condition that awaits us in the Summer or Winter beyond.

One of the greatest pleasures of life is to sit and rest in its golden sunset that is without a cloud or shadow of fear or doubt; happy and contented in the consciousness that all is well, and will remain so as long as life lasts and we are obedient to trusts imposed. Every man has a sphere of usefulness, a work for which he is specially adapted. It matters not what his special gift may be, his part is to keep doing along the line of duty imposed, and never to slacken in energy as long as strength permits.

Life's work is more than a mere bundle of petty cares and jealousies. Man was created for a purpose, not for

an ornament, but to develop manhood—not his own individuality—but the type he represents. To live is to do. Life is a trust, and no man is worthy the name who cannot recognize in his fellow man the signs of human equality. Still less worthy is he, if his head does not take counsel of his heart. Man is a man just in proportion to the love he cherishes for his fellow man, without regard to race, creed or condition.

It matters not how many years a man may have lived; if his faculties remain unimpaired, there is something for him to do, something along the line of sympathy and love, in making cheerful the hours of the disconsolate. We talk of the past time as if dreams and shadows were its only realities, while we look forward through the rosy atmosphere of hope, and with heart-beating believe in the reality of the future.

The present is only the past getting ripe and growing in richness by the experiences that life affords through duties well performed. The true life grows richer by wandering through the avenues of the past, as we go back to childhood through an avenue of flowers.

Thought crowds the mind while taking this moment's rest on our pilgrimage, soon to be ended. Upon a careful review of the past it seems to me the rarest of attainments, and the most useful, is not to grow old, but in years, beautifully and gracefully. We are not old because of the number of our years, but because of the manner of our lives. It is a lamentable fact that a large proportion of the aged are a burden to themselves and a trouble to others. The pleasures of youth excite in them no kindlier feelings than gloom, and, luckily is it, if it does not encounter angry rebuke or supercilious contempt. A goodly company of old people is a rare library of well selected authors, in contrast with a lot of old books, whose title pages are lost, and their illustrations cut out to please the children.

When a man gets beyond the age of usefulness in the business world he retires, usually with mingled feelings of sorrow and regret. His place in the world of commerce has been filled by another, perhaps by one of his own family, whose hopes may ripen to fruition—and may not. That makes no difference, his voice is silenced. The future is before him, not in the distance, but seemingly within his grasp; or, what is worse, within the influence of the inevitable that is soon to grasp him. The dread of parting with life itself casts a gloom he cannot dispel, while the uncertainty of the life beyond fills his mind with fear and dread. He can only see his *god* in his money bags, a place where the living God cannot be found.

Old age of that type is always attended with irritability, and it frets them until they become like the man with a toothache, whose irritation impelled him to kick the family cat because she was sleeping so comfortably in the sunshine.

If this state were an inevitable attendant upon advanced years, then indeed would long life be an unmitigated curse. But there is no such necessity imposed upon us. We make old age cheerless and morose in the same way we pervert all things, that is by, or through selfishness. We allow ourselves to think more of our own convenience and comfort in little matters, than we do in the happiness and improvement of others; and thus we lose the habit of sympathizing with love and joy.

The unselfish, ever willing and liberal heart is the fountain from which flows the elixir of true happiness that ripens with our years, and is the secret of a green old age. The human heart can never grow old if it takes a lively interest in the happiness of others; the heart must ever be warm to enable it to awaken in other hearts a glowing enthusiasm for the beautiful and good, the secret of the smiles that illumine the brow of old age.

To be ever cheerful—ever happy—we must look out at all times upon the welfare of others, and turn a deaf ear to every word and act that would detract from their happiness. We must get away from selfish thoughts—we must get away from ourselves, and create an intense affection for nature, and for all simple things. The human heart can never grow old if it takes a lively interest in the mating of the birds, the reproduction of flowers, and the charming beauty of the Autumn leaves, which teach us that a life truly spent is never as beautiful as when it drops into its grave. Its work is finished—it puts on the crimson and gold and departs smiling. There is no murmuring in the wood; no weeds of sorrow in the solitude.

The culmination of the season, the golden harvest and the Autumn tints, the provision for the long Winter to come, is no less beautiful, and has its analogy in our own decay and dissolution. Happy—thrice happy—are they that can look at life's golden sunset with the same cheerfulness that greets a Summer morning—the morning of youth.

Man's place in nature is to strive for, and develop the highest endowment of creative thought intrusted to us, in so far as we have any knowledge. What creations there may be in other spheres we have no means of knowing, and it matters not; our place is here, the time the ever present. In Man's creation a trust was imposed; we are commanded to grow, to develop every gift that came with our being, that we may leave the world richer than we found it, because of the part we have

taken. Not only in lands, bonds or goods, but in all that pertains to manhood. Man's virtues are his true assets. Men are not rich in proportion to what they have, but in proportion to what they *are*. It is not how much real estate a man may own, or how much stock he may have in railroads, oil or copper, but how he rates in the beatitudes, and the ten commandments that indicates true riches. It is the dividends received for kindness shown the unfortunate, when the light of hope was flickering in the sockets of their hearts overburdened with sorrow that is the best paying dividend. Shortness along these lines is the bankruptcy of the soul.

We are commanded to love our neighbors as ourselves, which is a command difficult to enforce; as the spirit of the command is, that whoever needs us is our neighbor. It is not the locality of, but the necessities of a fellowbeing that make him near to us. This is the vital element of the adage, "It is more blessed to give than to receive." The recipient does not have half the joy of the giver, because of the obligation the gift imposes. To give is the beautiful because it enhances the true riches of the giver.

It seems from careful observation and reflection that life, to a great extent, is a bundle of mistakes. A prominent one is the neglect of the acquisition of knowledge on subjects of general interest. Our children are educated—no, taught, to repeat what some one else learned through thought applied, and they get a diploma, not for what they know, but for their ability to repeat the results of thought applied, three thousand years ago.

True knowledge affords its possessor a constant fund of enjoyment in every stage of life. Doubly blest is he who has enhanced the world's knowledge through the application of his own mind and its applied industry. Such men can entertain their friends without resorting to popular amusement, which enervates rather than strengthens the mind. We should dwell as much as possible among living truths and avoid fiction as though a crime. Fiction is a beautiful blossom, but it never bears fruit; on the contrary, it impoverishes the mind. It is the ripe fruit of truth that feeds the human intellect, that enriches manhood and adorns character.

A greater mistake, one felt by all that come within its influence, is to go through life as an animated icicle giving every one a chill with whom they come in contact. A man should live like sweet Mary Howitt, whose mission was to turn the sunny side of things to human eyes. As we go through life we should take a lesson from the rose that has a smile for every one, and makes life fragrant with its memories, a fragrance that remains fresh, even in its ashes, and not cast a withering chill over every one with whom we come in contact.

Some men live like chestnut burrs, that guard their fortune with ten thousand thorns, little thinking "the boys" are anxiously awaiting behind the fence for the Autumn's frost which will soon make the old man shell out his treasures, which will vanish like the vapor of the morning. Two errors: The old man a little slow; the boys decidedly fast. A man may make a mistake in trusting his boys, but he makes a greater one when he fails to inspire them with confidence and trust; that gone his old age will become blighted, and his children will sink in the slough of despair, from which they never emerge. Make men of your boys, and you will be a boy when they are active, honorable men.

Man's greatest mistake is in giving up. To give up is to give out. The machinery of life will soon stop running if it has nothing to run for. The man that tore down his barns to build greater ones, found that when he began to take his ease, he was taken. Man was created for a purpose, to be useful along the line of his endowments. There is a diversity of callings, one as important as another. The man with the hoe is as essential as the man with the pen—perhaps more so. Both are useful—both essential and entitled to the same degree of respect.

The banker takes great pride in displaying some exquisite piece of furniture, but would not speak to the man that made it, should they meet in the street, which is all wrong. The man that produces is greater than any of his productions and should be judged by his character as well as by his artistic skill. A union of the two is true manhood, and should be recognized as such in every condition of life.

(To be Continued.)

WOMEN IN HORTICULTURE.—According to the annual report of the Horticultural College for Women, at Swanley, England, the interest in outdoor life among women is steadily increasing. The number of students graduated last year was sixty-eight. Before the end of six months more than half the number reported that they had secured good places as gardener teachers in charge of garden schools, head gardeners, under-gardeners and market gardeners. As their pay, as a rule, is as high as that received by men in similar places, the work is looked upon as very desirable among women who are fond of outdoor life.

Massachusetts Horticultural Society Rose and Peony Show.

The rose and peony show of the Massachusetts Horticultural Society on Saturday and Sunday was without question the finest of its kind seen in Boston for many years, and it is doubtful if ever any of the old-timers who always talk of the "exhibitions we used to have" saw a better exhibition—at least, so far as peonies are concerned. The displays of roses were rather disappointing, but the "peonists" amply made up for what was lacking in the roseariums and the main hall was filled to overflowing with many thousands of the gorgeous flowers. The most extensive exhibitors were E. J. Shaylor & Son, T. C. Thurlow & Company, George Hollis, Wm. Whitman and R. & J. Farquhar & Company. The latter put up an extensive collection in large vases containing many fine flowers and varieties. The only special prize awarded was a first-class certificate of merit to E. J. Shaylor for new peony *Georgiana Shaylor*.

For the collection of peonies in thirty varieties, T. C. Thurlow & Company were first; the collection included such varieties as *Cyclop*, *Duchess of Sutherland*, *Mme. M. Lemoine*, *Mr. Manning*, *Leonie*, *Princess Clothilde*, *Mme. Barillet Deschamps*, *Acona*, *Mme. Geissler*, *Lady Alexandra Duff*, *Blanche Fitzmaurice*, *Mme. Duval*, *Mlle. Rosseau*, *Virginie*, *De Candolle*, *Felix Crousse*, *Venus*, *Euphemia*, *Louis Van Houtte* and *Marshall McMahon*. In this class James McKissick was second, George Hollis third and E. J. Shaylor & Son fourth. For the collection of twelve varieties, three flowers of each, Wm. Whitman was first, E. J. Shaylor & Son second, and George Hollis third. For the best specimen bloom, James McKissick was first with *Therese* and Geo. Hollis second with *Aristocrat*. For the collection of single varieties, T. C. Thurlow & Company were first, and George Hollis second. Geo. Hollis was first for collection of twelve Japanese single varieties.

There was keen competition in the vases of blooms on long stems. For the single vase class Mrs. J. L. Gardener was first and Dr. C. G. Weld second. For the vase of twenty-five blooms, white or blush, T. C. Thurlow & Company were first with *Festiva maxima* and second with *M. Dupont*, and E. J. Shaylor & Son third, with *Baroness Schroeder*. For vase of pink or rose E. J. Shaylor & Son were first with *Pottsi alba*, T. C. Thurlow & Company second with *Modeste* and Wm. Whitman third with *Lady Bramwell*. For vase of red or crimson, T. C. Thurlow & Company were first with *Felix Crousse*, Wm. Whitman second with *Louis Van Houtte*, and Col. Fred. Mason third with *Triomphe du Nord*. Other exhibitors of peonies included I. L. Blanchard, A. H. Pewkes, Mrs. E. M. Gill and Dr. Chas. S. Minot. J. T. Batterworth exhibited Spanish irises. W. W. Rawson & Company and F. J. Rea each had a collection of hardy flowers. The prize collections of hardy perennials were made up by the Blue Hills Nurseries.

In the classes of roses the winners of the general display were W. J. Clemson, Mrs. Frederick Ayer, Mrs. E. M. Gill, Mrs. J. L. Gardener and Col. Frederick Mason, each taking prizes in the order named. In the other rose classes the exhibitors included W. J. Clemson, E. E. Lincoln, Mrs. Aaron Ward, Wm. Whitman and Mrs. Frederick Ayer.

Notes on Peonies.

Peonies are now becoming more popular every year and taking a place where they ought to among the most



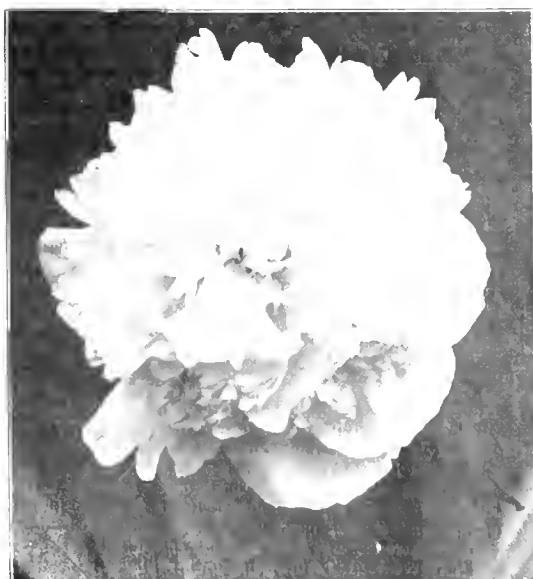
A Block of Two-Year-Old Peonies at Cottage Gardens Nursery, Queens, N. Y.

choice of hardy flowers. It is to a few growers who within the past few years have worked up fine collections that their popularization is due. The present season in this locality has been exceptionally favorable to their producing perfect blooms, for we have had no cold, unseasonable weather or dashing rains to destroy them when they were developing to their most perfect beauty. The collection of E. J. Shaylor at Wellesley Hills is an exceptionally fine one, containing nearly all of the varieties that are worthy of growing. It is only a few years, about seven I believe, since Mr. Shaylor became interested in the peony, and that he has made success in getting together such a fine collection goes without saying. Of the popular market varieties he has many fine plants; of some of them I noticed whole rows, while of the rarer sorts he has more or less, according to their worth. Some of the varieties which Mr. Shaylor has a fine stock of are *Mme. Emile Lemoine*, an extra large flowered white of exceptional merit. *Mme. de Verneville* is another very fine white variety. *Asa Gray* is a good pink. *Baroness Schroeder* is another white sort, which is very fine. *Mme. M. Cahuzac* is a very dark variety but good. *Amande Rosseau* is a splendid pink, and *Mme. de Toeyeran* is a grand pink of a light shade. *Marguerite Gerard* is a fine white. *Mme. Lemoine* is very double, of a pink shade. *Aurore*, of a soft flesh pink, is good, so is *Mme. Crousse*, a pure white sort. *Marie Jacquin* is a semi-double white,

the best of this class so far. *Theresa* is one of the best varieties. *Summer Day* is a grand variety, after the style of *Festiva maxima*. *Bridesmaid* is a very soft shade of pinkish white. Other good pink sorts are *Simonne Chevalier*, *Mme. de Gallian* and *Magnifica*. *Avalanche* is one of the finest pure white sorts and *Couronne d'Or* is a grand white. *Enlida* is a fine dark sort and *Miss Brice* is one of the best dark pinks. Mr. Shaylor has been doing something, too, at raising seedlings and a batch flowering this season for the first time contains many good ones. So far he has only named one of them, and it in honor of his daughter, *Georgiana Shaylor*. He has exhibited this variety at the peony show in Boston and has just been awarded a first-class certificate of merit of the Massachusetts Horticultural Society for it. It is a large flower of a soft shell pink color, having that waxy appearance so often seen in the Japanese varieties. J. W. DUNCAN.

Peonies at the Cottage Gardens Nursery.

A few hours recently spent among the ten acres of peony fields at the above nursery, located at Queens, N. Y., just when these glorious plants were at the height of their blooming season, proved full of interest and instruction. This nursery is one of the most complete to be found in the vicinity of New York; containing, as it does, a vast collection of specimen trees and shrubs,



Alba Sulphurea.



Seedling Peony Georgiana Shaylor.



Mme. Emile Lemoine.

the representation of all stock that will live and thrive in this latitude; in addition there is a vast block of modern greenhouses devoted entirely to carnation growing for city trade. Rhododendrons and Kalinas, naturally planted under the protection of old forest trees, filled several acres of a slope, which seemed just right as to location and soil to give the plants all the encouragement needed for stalwart growth; unfortunately, a torrential rain, a few days previously, had obliterated the blooms.

Our illustration shows a block (of which there are several similar) of two-year-old peony plants in profuse blooming; an idea as to gorgeousness of color and size of bloom of which may be only partially obtained from the notes which follow. We can only describe the sight mirrored in the eyes as a riot of color and a blaze of glory.

The peony would seem to be essentially a plant for use in masses for the home grounds, large estates and parks, and R. T. Brown, the manager of the Cottage Gardens Company, reports an awakened public interest and an increasing demand for the plants for these purposes. Florists having the space to give to a showy bed of peonies should, by all means, plant one, for the display would undoubtedly stimulate their neighboring trade. As cut flowers peonies are also good property for local trade, but for shipping purposes to the cities they have a drawback to date, as a rule, in not realizing a price sufficient to counteract expense of packing and forwarding charges; two causes contribute to this, their weight and the quickness with which the blooms open and fade away.

Follows a descriptive list of the newer and more rare varieties which are listed in the very artistic and complete catalogue recently issued by this company:

Armadine Mechin. Producing large blooms in clusters, and in color a very brilliant clear amaranth.

Belle Douaisienne. A late mid-season variety, with large flowers on long stems; color clear flesh fading to nearly white, with yellow shadings and clear crimson on edges of center petals.

Boule de Neige. White, lightly sulphured; center bordered with carmine.

Cameron. A late variety, in clear deep purplish red and shaded with velvety lines.

Claire Dubois. In color a clear original pink with glossy reflex; large globular flower, center very full, convex and tufted; petals are incurved and lacinated.

Livingstone. This is one of the best late pinks. It comes in very large, full imbricated blooms, of a beautiful soft rosy pink, with silvery reflex and very strong, long stems.

Marguerite Gerard. The flowers come in immense flat shaped blooms, with broad petals, making a very showy variety. The color is flesh white, with creamy white center.

Mlle. Rousseau. Sulphur white, with pinkish flesh colored center, often shaded salmon.

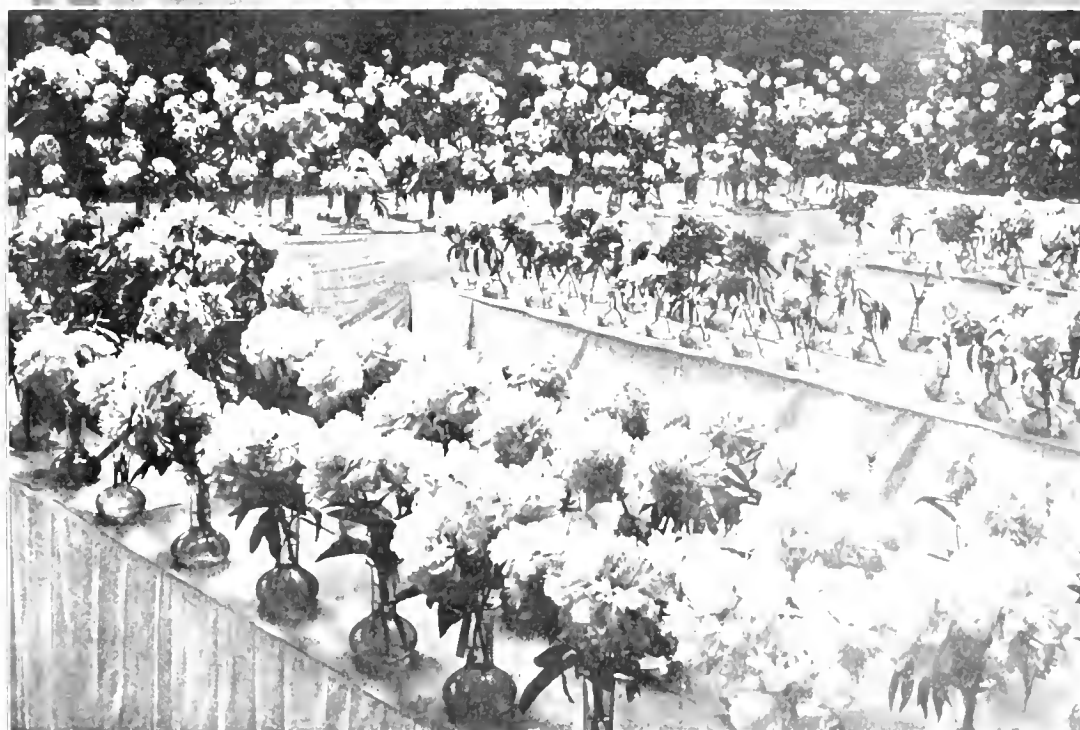
Mme. Buequet. This shows a very pretty and perfectly formed bloom, with color of the darkest velvety amaranth, almost black.

Petite Renee. A very striking and showy as well as a good and lasting bloomer. The general impression as to color is of carmine purple with the center petals of clear carmine striped white with golden extremities, yellow background.

Pierre Dessert. This is claimed to be a variety of special merit. It is a very full imbricated flower, and in color is a brilliant deep amaranth, with velvety violet reflex.

Raphael. The color is a very deep garnet red, large blooms in clusters.

Among the varieties which are recommended as being some of the best for florists' use are the following: Alexander Dumas, lively brilliant pink; Charlemagne, creamy white; Couronne d'Or, snowy, with yellowish reflex; De Candolle, lively currant amaranth; Delachei, deep purple, crimson reflex, one of the most remarkable of the dark peonies; Delicatissima, clear delicate pink, a great cut flower variety; Duke of Wellington, sulphur white bloom; Duchesse De Nemours, sulphur white; Festiva maxima, snow white, undoubtedly the finest early white; Giganthea, delicate rose pink, the finest of all peonies for cut flower purposes; Gloire de Chas. Gombault, a multicolor variety; Humel Carmel, clear cherry pink; Jeanne d'Arc, soft pink; La Tulipe, delicate rose; Lady Bramwell, delicate silvery pink; Mme. Coste, tender rose; Mme. de Gallan, soft fleshy pink; Mme. de Verneville, one of the finest and most elastic, sulphur white to rosy white; Mme. Duod, bright silvery pink; Mme. Farel, glossy ash-colored pink; Mlle. Leonie Calot, soft salmon flesh; Marie Lemoine, sulphur white; Marie Stuart, flesh rose; Modeste Guerin, an extra fine variety, very fragrant; Mons. Jules Elie, the nearest to perfection in a pink peony; Queen Victoria, large, opens flesh white, one of the best cut flower varieties; Richardson's Rubra Superba, brilliant deep crimson, the latest of all peonies to bloom, best keeper of all the family; Rubra Triumphans, earliest brilliant crimson, splendid landscape variety; Sarah Bernhardt, one of the very best cut flower varieties, guards clear pink, center creamy white.



Peonies at the Massachusetts Horticultural Show, Boston, June 13, 1908.

T. C. Thurlow & Company, Table of S. 1.

General View of the Exhibition.

Exhibit of E. J. Saylor on Table in the Entrance.

Photographs by J. W. Duncan.

The William Scott Monument Fund.

Editor Florists' Exchange:

Enclosed please find check for \$5—my "mite" toward the William Scott monument fund, a contribution, I will admit in passing, in no wise commensurate with the esteem and admiration I entertained for the man, whose noble qualities of soul endeared him to all of us, and whose intellectual attainments unquestionably stamp him as the pillar of pillars in the history of American advanced practical horticulture.

Like Mr. McHutchison, however, I am of the opinion that individual contributions need not be large and that every florist throughout the United States, and Canada as well, might wish to contribute toward the fund for a simple monument, in order to perpetuate the memory of a man who devoted his life to a work—"Grand in scope and ennobling in character."

Your own interest, Mr. Editor, in behalf of so worthy a cause is to be commended in no uncertain terms. In this sordid, matter-of-fact world, with "each for himself and all against the rest" as the favorite slogan of the day, a spark of sentiment, pure and simple, in a trade paper is very refreshing, as well as gratifying, and might be well likened to the sudden discovery by the weary traveler of a fountain spring upon the desolate desert of Sahara.

The idea of a William Scott monument fund will, I am sure (and I have ample reason for my assertion), appeal to every member of the craft, irrespective of creed, nationality, political affiliations or even color.

Keep up the good work for success is in sight.

Philadelphia. S. S. SKIDELSKY.

Editor Florists' Exchange:

The sentiment to erect a monument to the late William Scott of Buffalo is given voice from all parts of the country. This is only reasonable when we consider the great amount of good this man did to all who follow the noble calling of florist. The nature of our occupation probably makes us more sentimental; still just as we are blazing the way for our fellow man to higher and a better regard for nature's beauties, let us also do it regarding the appreciation we should acknowledge to him who has helped us to better and more perfect performance of our duty. Let us set an example to those of other callings, and make a fact of what our sentiment causes us to think. To come closer to the practical point I would suggest that every florists' club, at its next regular meeting, under the order "New Business" open up a subscription list for the "William Scott Monument Fund." Small drops make a big lake; get busy, boys.

FRANK DANZER.

[We heartily endorse Mr. Danzer's proposition, and hope it will be carried into effect. The various traveling men, with all of whom the late Mr. Scott was a great favorite, could also help forward this very praiseworthy movement.—Ed. F. E.]

Subscriptions to Thursday, June 18.

J. McHutchison, 17 Murray St., New York,.....\$10.00
John Birnie, West Hoboken, N. J.,..... 5.00
S. S. Skidelsky, 1741 No. 18th St., Philadelphia, Pa. 5.00

Remembering the Railroad Employees.

Editor Florists' Exchange:

This Spring we have had a small surplus of bedding stock, and, in order that we might make the most advantageous use of it, we presented a package of twelve well-grown, 3-inch pot plants to each of the Valley Traction Company and its conductors and motormen making seventy-one packages. As we do quite an amount of shipping of plants by this line, we find that the proper treatment of a traction company pays roundly if the end; and, besides all the personal advantages gained by the kind remembrance of our carrier people, there is a soothing satisfaction in the knowledge that some heart have been cheered and some homes have been brightened by these compliments of recognition of duties well done. From former experience we have learned the fact that the great majority of railroad and traction men are true lovers of nature and its beauties.

In addition, allow me to say that our Spring bedding stock is entirely cleaned up, and we are rapidly filling up our houses with primroses (obconicas), an cinerarias. Everything points toward a good primrose season.
Shiremanstown, Pa. JOHN F. RUPP.

Since receiving the above communication, we have another letter from Mr. Rupp as follows:

"Since writing you about the plants we gave to the Valley Traction Company and its motormen and conductors, we have received a large number of acknowledgments from them in the form of very fine art post cards showing their appreciation."

Washington, D. C.**Business Gittings.**

With the closing of the public schools this week the business activity ceases and the usually busy retailer will have time to visit and learn more of interest concerning prospects and requirements for the future. The Florists' Bowling Team gave an excursion to Chesapeake Beach on June 18. This team is rapidly coming to the front by reason of its excellent scores and trophies won. The club with each ticket sold issued an extra ticket entitling the holder to compete for certain prizes to be drawn by number after reaching the Beach.

Edw. S. Schmid has added some magnificent specimen bay trees to his interesting stock which are attracting much attention. There are few finer ones to be seen in Washington. These trees seem to be increasing in popularity, the idea being with those who are fitting out an elaborate garden to use them as in the old Dutch gardens and in a like manner to the arrangement at the White House. There was a revival of the police regulation, forbidding bay trees in tubs being placed on the streets in front of stores and dwellings, but as the law, fortunately, has not been rigidly enforced, the practice continues and many other-wise unsightly places are ornamented by their use.

Some of the local seedsmen are preparing to attend the seedsmen's convention in Detroit on June 23, 24, and 25. It is understood Mr. F. W. Bogdans will be among the number.

Mr. Jas. B. McArdle, representing Vaughan's Seed Store, was in town this week booking orders for his firm.

Rain, which was much needed, fell abundantly on Monday afternoon.

JAS. L. CARBERY.

CHAMPAIGN, ILL.—At a recent meeting of the University trustees bids for erecting the horticultural building were considered. The estimated cost is \$15,527. It was decided to locate the horticultural department on the southern part of the campus. The board has been greatly handicapped by the action of Gov. Deneen in compelling it to wait for the plans of the State architect, Mr. Zimmerman of Chicago. Heretofore the best plans have been accepted, but as matters now stand, the State architect has the complete supervision of all State buildings.

ORANGE, N. J.—A special rose night was observed by the New Jersey Horticultural Society at its rooms on the 13th inst., when in addition to a large display of the queen of flowers were staged, Begonias, peonies and dianthus. A young man, C. G. Gignas, with twelve phenomenal flowers upon one stem, was suitably rewarded with the society's first-class certificate.
J. B. D.

Baltimore.**Club Outing.**

On Thursday, June 11, upon invitation of Mr. Wm. Lanahan, the Gardeners' Club visited his beautiful country estate, Blenheim, on Bellona avenue, Govanstown, for its annual outing. Over 150 guests responded to the invitation, most of them members of the club. Representatives from Washington, College Park, H. A. Dreer, Inc., and Meehan's Nursery were also present. Mr. Lanahan has made many improvements, and he is ever ready to listen to the suggestions of landscape gardeners for betterment. He has a very able man in J. H. Keplinger, who has been with him many years.

The trees, shrubs and flowers were found in perfect condition, everything well and judiciously arranged. The lawns are perfect and well kept with the aid of a motor lawn mower, which is kept in constant motion.

At 5 p. m. a game of baseball was played by two teams, consisting of members of the Gardeners' Club. The game was most interesting and unique; the short cut grass made it very slippery for the base runners; their comical antics and desperate efforts to keep on their feet and somersaulting to the base brought forth much merriment for the onlookers. The score was 12 to 11 at the end of the eighth inning, and Captain Seybold's team was declared winner over the team captained by M. Richmond. George O. Brown acted as umpire to everybody's satisfaction. At 6:30 a fine luncheon was served on beautifully decorated tables in a grove near the main entrance. After luncheon races were indulged in and more merriment was had; money prizes were given to all the men and boys taking part.

The secretary of the club, in a neat speech, presented Mrs. Lanahan and Mrs. Keplinger each with a bouquet of American Beauty roses. Mr. Lanahan invited the club to repeat its visit next year. Several of the members spoke of the beauties of the place and the officers and others expressed their appreciation for the delightful entertainment provided.
C. L. S.

READING, PA.—The peony, poppy and iris fields of Bertrand H. Farr of the Wyomissing Nurseries have been a blaze of color for some time and have attracted many visitors who were loud in their praises of the magnificent display. Mr. Farr will make an exhibit of peony flowers at Cornell this week; his collection is an extensive one. The specialties of this concern are peonies, iris, phlox and dahlias.

RIDGEWOOD, N. J. The florists of Ridgewood, N. J., all report a prosperous season. Schweinfurth, Barkham and Snyder are all feeling happy over the outcome; J. G. and A. Esler of Saddle River also got a slice of the pie.

Los Angeles, Cal.**Trade Notes.**

Gage, our wholesale florist, is bringing in some umbels of white agapanthus a foot in diameter. They are seedlings of his own growing—certainly the largest ever seen on this market.

J. Dietrich and Jack D'Ortiznae have bought out E. Meserve, the Angelus Florist at 206 West Fourth street, which will provide Mr. Dietrich with an up-town place of business to dispose of his nursery and greenhouse stock.

Asters, field-grown, were put upon the market the first of this month by a grower at Eagle Rock, who planted them last August with the thought in mind of having them in bloom for the holiday trade, with the result here named. They wholesale at 50c. to \$1 per hundred.

Howard & Smith sowed a lot of Australian tree seed early in the season, and in the lot of seedlings appeared a plant which Dr. Franceschi says is *Carumbium populifolium*, which Bailey says should be named *Homalanthus Leschenaultianus*, to be proper—certainly name enough to be formidable. This little plant has a beautifully red-colored stem, with broadly ovate leaves borne on long petioles of the same color as the stem, of a peculiar, yet beautiful shade of green, feather-veined of a bright red color. The appearance of this plant is so nearly like that of *Idesia polycarpa*, a Japanese tree, that we shall watch its growth with a great deal of interest. It seems incredible that two genera should produce subjects so nearly alike.

The Pasadena Gardeners' Association have announced a chrysanthemum show early in next November. The members of this society, with their wives, visited Howard & Smith's place at Montebella on the 7th inst., and partook of the hospitality of the firm, lunch being served in the extensive flat house.

Henry Turner, superintendent of El Rhea greenhouses, planted his new house, 45x200 feet, the last week in May, to roses, and expects to begin cutting the 15th of August. His Mme. Abel Chateau, which he began to cut August 12 last year, are yet producing fine blooms on long stems, which wholesale at 3c. to 5c. each.
P. D. B.

Tarrytown, N. Y.

The annual June exhibition of the Tarrytown Horticultural Society, held in the Music Hall on Friday the 12th, eclipsed all previous ones. There was a magnificent display of roses in perfect shape and colors, and staged on five large tables; one exhibitor alone had over one hundred varieties of hybrids, perpetuums and teas, the majority of them correctly named. Frau Karl Druschki was very much in evidence, having been entered in many classes, and carried off the honors wherever perfect. Competition was very keen in every class and judging difficult.

Strawberries were also fine, large and well finished, all the classes being heavily entered. Single plate entries numbered eleven and the majority of them were perfect in every way. Shrubs were lacking, only two exhibits being staged and these common varieties. *Perennia* were fine, two exhibitors having over 50 varieties each well labeled. Th. F. R. Pierson Company had some large exhibits of miscellaneous plants and cut flowers, not for competition, but very interesting. An innovation which proved very successful and interesting was the giving of two prizes for bouquets of wild flowers, open only to school children under 14 years of age; this brought out 24 contestants, the judging being eagerly watched by the young contingent.
L. A. M.

HANCOCK, MICH.—A. M. Yorl florist, has made plans for the remodeling of the store where his *Laurium* branch is located because of his growing trade and the increasing demands on the Calumet institution. The main entrance of the remodeled establishment will be at the corner, while a glass front, facing Third street, will be put in and extensive alterations in other parts of the building will be made. The store will be managed, as heretofore, by Mr. Nordquist, who will give up her millinery trade and devote her time exclusively to the flower business.

PORT HURON, MICH.—During recent windstorm the establishment of Matthew Ullenbruch, florist, suffered considerable damage. A cement wall, six feet high and 100 feet long, which constituted the base of the building, was picked up and carried away. The loss is estimated at \$6,000 with no insurance. The most deplorable feature of the whole occurrence was the fact that as soon as the building was blown down spectators rushed over the place and stole the flowers and plants that had not already been totally destroyed.

NORTHAMPTON, MASS.—Robert B. Graves, the well-known Bridge street florist, died after a short illness on June 6. He was 88 years of age.

Newport, R. I.

A new insect, a soft-bodied green worm having a brown head, has made its appearance on the spruce trees, many of them in the Ochre Point district being badly infected.

It is expected that some fine roses will be seen at the Horticultural Society exhibition which opens on Tuesday the 23d. That date, it is considered, will be just right for the general run of hardy roses.

At the meeting of the Horticultural Society held on the 9th inst., Frank Richards of New York was present and spoke some encouraging words to the members.
A. MacL.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Code.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones: Prospect 2840 and 4065.

Chicago, Ill.

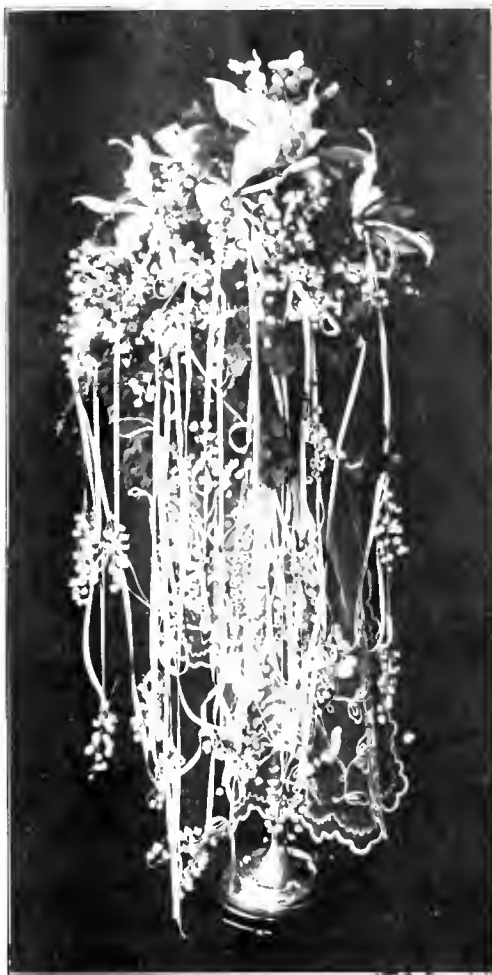
HAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLORIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Prest. Orders by wire or mail carefully filled; usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.



Bridal Bouquet.

Designed by Palmer's, Buffalo, N. Y.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail order placed with us will receive careful attention.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of reasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCHULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of reasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.

A PRACTICAL TRADE ORGANIZATION. The objects of the Nursery and Seed Trade Association, Ltd., of England are as follows:

1. To protect and promote the business of nurserymen, florists and seedsmen.
2. To collect and disseminate information calculated to protect the members of the association from fraud.
- 3.—To arrange for the speedy and economical collection of debts due to members.
4. The establishment of unity among those interested in the nursery and seed trades.
- 5.—The encouragement of the interchange of opinions on questions of importance relating to such trades.

Some 870 trade inquiries as to the financial condition of persons seeking credit were made last year. The debts collected by the association last year were as follows: By the secretary, £1211 0s. 0d.; by the solicitors, £430 11s. 0d.; making together, £5515 11s. 0d. This sum appears small, but the assistance of the association is not sought until the members have used every effort themselves. In consequence of bad times the association has had to collect debts by installments as low as 2/6, 5/6, and similar small sums.

The cactus dahlia has been selected as the official flower of the Alaska-Yukon-Pacific Exposition.

American Association of Nurserymen.

(Continuation of Report.)

President J. W. Hill, in his annual address, said that the season just closed is generally regarded as one of the best for many years. All stock, with the possible exception of Kieffer pears and some varieties of plums, have commanded unusually strong prices. The practice of wholesale men in placing surplus stock on the market late in the season at greatly reduced prices is demoralizing and should be discontinued. The subject of forest preservation should receive more attention in the various States, particularly in the Southwest. Nurserymen should become large advertisers. The live, up-to-date nurseryman can ill afford to follow listlessly in beaten paths because they led his forerunner to success; he should let the public know what he has through the medium of reputable journals that have the confidence of their readers.

Professor L. R. Taft of the Michigan Agricultural College read a paper on "The Spraying of Nursery Stock," in which he recommended spraying with Bordeaux mixture for fungous diseases, adding arsenical poisons for destroying various leaf-eating insects. For San José scale the sulphur-lime solutions are most effectual. Japan quince, mountain ash, Prunus pissardi and other shrubs and trees, for which the scale seems to have an especial liking, should be kept away from blocks of fruit trees.

John S. Kerr, Sherman, Texas, read a paper on "The Great Southwest," giving facts as to soil, climate, mineral resources and productions.

H. D. Simpson, Vincennes, Ind., gave some interesting facts on "The Pecan," which he has grown successfully in northern Florida, the yield from one tree twenty-five years old being \$100 in one year.

Judge Eugene Stark of Louisiana, Mo., read a paper entitled, "A Few Points on Improvements." Among the points suggested by him were: Support trade journals; use best land; use best

stock; use competent help; encourage inventions and exhibits; plant one-year trees; grow fewer varieties; eliminate unscrupulous dealers; employ reliable salesmen; cancel risky orders.

Professor J. J. Phillips, State Entomologist, Blacksburg, Va., contributed a paper on "Peach Yellows," giving statistics in regard to the prevalence of the disease and warning particularly against the planting of pits from diseased trees.

A paper entitled, "Elements of Success in the Nursery Business" was read by J. B. Pilkington, of Portland, Ore., and a talk given by J. Horace McFarland on "Civic Improvement."

Rochester, New York, was chosen as the next place of meeting.

The following resolution was adopted:

Whereas, the delays in the shipments of nursery material continue as a menace to the prosperity of business and are alike dissatisfactory and costly to nurserymen and to the transportation companies, therefore, be it

Resolved, That the transportation committee be, and are, hereby authorized to take up this question with the proper railroad officials, in order that a suitable system may be inaugurated that will prevent, as far as possible, these unnecessary delays in future.

Resolved, That this association dis-favors any increase in the rates of transportation on nursery material, and that the transportation committee be requested to advise the various trunk line associations of the adoption of this resolution.

The following resolution was also adopted:

Resolved, That this association emphatically favors the prompt inauguration of a parcels post system for the United States, as recommended by Post Master General George L. Von Meyer, and protests against the continuance of the antiquated and costly methods of handling parcels as now in vogue in this department of the mail service.

Resolved, That we commend the recent action of Congress in reducing the rates of foreign letter postage.

Resolved, That a copy of these resolutions be transmitted by the secretary to Post Master General Von Meyer.

In the room devoted to exhibits the most striking feature was the immense number of lithographic prints and hand-colored photographs for the advertising of fruits, shrubs and trees. Some hand printing machines were also in evidence, as well as tools for pruning, grafting and budding. An attractive display of gorgeously colored apples from the State of Washington was presented by the Great Northern Railroad Company. The Alabama Nursery Company showed a group of privet plants of various kinds which had proved hardy as far north as Massachusetts.

E. J.

Pittsburg.

Trade and News Notes.

There is very little demand for cut flowers and the wholesalers are loaded up with stock of all kinds; the most of it goes to waste. As to prices almost any offer is accepted and the street stands sell at very low figures: carnations 15c. and roses 25c. a dozen. Good roses can be had for \$2 or \$3 per hundred. There is also considerable outdoor stock, particularly sweet williams, which are in fair demand in the markets. The plantsmen are all pegging away yet, but very little is doing in their line. Plant sales this season were fairly good, but prices were entirely too low to make much profit.

J. W. Ludwig is attending the convention in Chicago, being one of the 500 members of two of our political clubs who went West to boom Knox for president.

John Bader has returned from his fishing trip; he had a splendid time and a good rest.

Robert Murdoch, who was connected with the former firm of J. R. & A. Murdoch, was operated upon for appendicitis a short time ago, but is out and well again.

Club News.

The June meeting of the Florists' Club was held last week and was fairly well attended. Karlo V. Ollilainen, assistant gardener to R. H. Boggs, was proposed for membership. It was decided to hold the annual outing on Thursday,

June 25, at Crystal Farm, Bakerstown, where the extensive plant of the Pittsburg Rose & Carnation Company is located. John Jones, P. S. Randolph and J. W. Ludwig were appointed a committee to make all necessary arrangements. The place can be reached by the P. & W. R. R., or by the Butler electric car, and is not very far from the Bakerstown station. Every member should come, particularly those who have not seen the Pittsburg Rose & Carnation Company's plant, one of the most complete establishments in the country. The subject of the meeting was outdoor blooms, mainly roses and peonies, with a competitive display for the private gardeners only. The first prize \$10, for best roses, was awarded to Mr. R. H. Boggs' gardener, N. Madsen, and the second, \$5; to R. Lilly, gardener to Mr. Thos. Barnsdall. Peonies suffered somewhat from the recent hot spell and the first prize of \$10 was not awarded, but the second, \$5, was given to N. Madsen. Mr. Cook received special mention for a fine large plant of adiantum. The Pittsburg Cut Flower Company showed some Spanish iris, phlox, pyrethrum and peonies, stock received from some of their shippers. Thomas Meehan & Sons, Germantown, Pa., sent Wichuraiana roses, but they did not arrive in very good shape. Fred Wisenbach, gardener to Mr. W. L. Mellon, showed gaillardia, coreopsis, iris, spiraea, well-grown pinks in pots, campanula and digitalis. D. Fraser, Mr. H. Frick's gardener exhibited cut roses. The Schenley Park conservatories had larkspur, digitalis and coreopsis. Mr. Ollilainen brought several quarts of fine strawberries.

Messrs. Falconer, Burki, Clark, J. W. Ludwig and the writer spent a pleasant afternoon at Mr. Boggs' place last week, being shown over it by Mr. Madsen, who has full charge. It is one of the finest places in the State, well laid out and planted with a great variety of trees and shrubbery. Fruits and vegetables of many kinds are well grown. In the conservatory the chrysanthemums were looking strong and fine; and the carnations were as good as are grown in commercial places, very strong plants and well in bloom.

E. C. REINEMAN.

Cincinnati.

News Items.

William Lodder and sister Mary of Hamilton, O., leave August 1, for an extended tour West, including Yellowstone National Park, California, Grand Canon of Colorado, etc.

Miss Florence Bartlett, the accomplished daughter of Geo. S. Bartlett, of home meal fame, will be married at her home in Newport, Ky., Monday evening, June 15. Daisies and smilax will constitute the decorations.

Park Superintendent Rodgers was thrown from his buggy one day last week and quite severely injured, both legs being badly skinned and his back severely sprained. At this writing I learn that he has just returned to his office for the first time, but it will take sometime to get all "o. k." again.

The Blaine Club, 1000 strong, pulled out for Chicago Sunday night, each decorated with a red carnation; Julius Baer had the order.

The Florists' Wire Design Company, operated by Mr. Ohmer, is progressing well. Their hanging basket trade has been fine and the quality of the designs turned out is very superior in every respect. I hope everyone will peruse Mr. Niessen's paper, read before the Philadelphia Florists' Club, and printed in The Florists' Exchange of June 6. If all retailers will give this a little study and make up their minds to give cheap sales a trial during the glutted seasons, I think they will find it will increase their business, give them control of the situation and keep the "fakir" off the street. You can call it "co-operation," or by any other name, so you keep the market cleaned up.

Fred. Weltz of Wilmington, O., was a caller during the week. He is no longer connected with the firm of Leo Weltz's Sons, but is operating independently. His long suit is large contracts with municipal corporations for parks and landscape work. He is a very competent man, of pleasing address, and makes lasting friends. His brother and nephew will continue the florist and nursery business under the old name of Leo Weltz's Sons.

100,000 SMILAX

Extra fine, well hardened stock, a bargain at \$1.50 per 100; \$15.00 per 1000.

25,000 SPRENGERI

From rose pots, at \$1.50 per 100; \$15.00 per 1000.

DEFLEXUS

Small, \$3.50 per 100; 4 in., \$7.00 per 100.

GERANIUMS

Orders booked for Rooted Cuttings, Fall delivery. Nutt, Buchner and Perkins, \$10.00 per 1000; Ricard, Poitevine, Castellane and Viaud, \$12.50 per 1000.

ALBERT M. HERR, Lancaster, Pa.

ASPARAGUS

Plumosus and Sprengeri, strong plants, 2 in., \$2.25 per 100.

ENGLISH IVY, 2 and 2 1/2 in. pots, etrong, \$2.00; R. C., 75c. per 100.

GERANIUMS, double red, \$1.75 per 100.

ARAUCARIAS, 20 in., four tiers, \$1.00.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

J. H. DANN & SON, Westfield, N. Y.

ASPARAGUS, BOSTONS

Plumosus Nanus, 2 1/2 in., \$4.50 per 100, \$40.00 per 1000; 3 in., 7c.; 3 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. Camerosis, 2 1/2 in., 4c.; 3 1/2 in., 10c. Sprengeri, 2 1/2 in., 4c.; 3 1/2 in., 8c.; 4 in., 10c. Bostons, 2 1/2 in., 4c.; 3 in., 8c.

Phones: Bell, Forest 143. Killech, Delmat 474 L. Greenhouses at Clayton, Mo.

J. W. DUNFORD Kings Highway and Page Bldg., St. Louis, Mo.

ASPARAGUS Sprengeri

From 4 in. pots, \$6.00 per 100. Cash with order

C. A. PETERSON, 196 MAIN ST. MADISON, N.J.

GERANIUMS

NUTT, BUCHNER, RICARD, JAULIN, 3 in. pots, \$4.00 per 100.

Rooted Cuttings, NUTT, BUCHNER, RICARD, POITEVINE, TREGO, \$10.00 per 1000.

Cash with order

PETER BROWN, Lancaster, Pa.

GERANIUMS, in bud and bloom, S. A. Nutt.

Besute Poitevine, A. Ricard, John Doyle, Mme. Jaulin, 3 1/2 in. pots, \$5.00 per 100.

HELIO-TROPE, Chieftain and Queen of Violets, 3 1/2 in. pots, \$5.00 per 100.

BEGONIA, Rex and Metallica, 3 in. pots, \$4.00 per 100.

PELAGONIUM Victor, 2 1/2 in. pots, \$3.00 per 100.

ROSE GERANIUMS, 3 1/2 in. pots, \$5.00 per 100.

NASTURTIUMS, 3 in. pots, \$2.50 per 100.

SALVIA Splendens, CUPHEA (Cigar Plant), AGERATUM, dwarf blue, VINCA Variegata, HELIOTROPE, Chieftain and Queen of Violets, 2 1/2 in. pots, \$2.00 per 100.

PHLOX Drummondii, 3 in. pots, \$2.50 per 100.

Cash with order.

WM. J. CHINNICK, - Trenton, N. J.

GERANIUMS

4 in., in bud and bloom, \$5.00 per 100. Selection of sorts to remain with us.

Cash with order.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

GERANIUMS

S. A. Nutt, Alphonse Ricard, B. Poitevine, 3 in. pots, fine for stock, \$3.00 per 100; \$30.00 per 1000. Must leave room.

Cash with order.

RUDOLPH NAGEL

S. West End Avenue, LANCASTER, PA.

BARGAINS

50,000 Geraniums, eight varieties, strong 3 1/2 in. plants, in bud and bloom, to close out, \$3.50 per 100; 50,000 Coleus, 12 varieties, large 2 in., \$1.25 per 100, \$10.00 per 1000; 3 in., \$15.00 per 1000. Cannas, 3 in., \$5.00 per 100. The above is strong, healthy stock that will please. Cash.

WM. S. HERZOG, Morris Plains, N. J.

3000 FINE GERANIUMS

From 4 in. pots, in bud and bloom, nice young stock, foliage to the bottom. Variegated, Nutt, Grant, Gloire de France and others, \$6.00 per 100, \$50.00 per 1000, cash with order.

MAX E. KRAUS, 329 Davenport Ave., New Haven, Conn

GERANIUMS To close S. A. Nutt.

2 in., \$2.00 per 100; \$15.00 per 1000. VINCA Variegata, 2 in., \$2.00 per 100. CHRYSANTHEMUMS: Maud Dean, Touset, Alice Byron, Vivand-Morel, 2 and 2 1/2 in. pots, \$2.00 per 100.

S. N. PENTECOST 1730-1810 Cleveland O.

GERANIUMS

Nutt, Grant, E. G. Hill, Viaud, Perkins, Ricard, 3 inch pots, \$3.00 per 100.

HELIO-TROPE, 3 1/2 in. pots, \$3.00 per 100

ROSE GERANIUMS, 3 in. pots, \$3.00 per 100, Cash with order

JOSEPH F. ENDERLIN, Millburn, N. J.

Carnation Plants

FIELD-GROWN

Chicago Carnation Co., A. T. Pyfer, Mgr. JOLIET, ILL.

JOHN E. HAINES BETHLEHEM, PA.

Is the place to order rooted cuttings of the following varieties for 1908: John E. Haines, red Imperial, variegated, Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000

Place orders early for December delivery.

A FEW GOOD THINGS YOU WANT

Cash with order.

Asparagus Plumosus, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.

Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in., \$5.00 per 100.

ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100.

Dracaena indivisa, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100.

FLERNS, Scottii, 5 in., 30c. each.

GERANIUMS, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., \$1.25 per 100; Pot plants, 2 in., \$2.00; 3 in., \$4.00 per 100.

TREGO, Castellane, Viaud, Jaulin, Poitevine, R. C. \$1.50 per 100; Pot plants, 2 in., \$2.50; 3 in., \$5.00 per 100. Mme. Sallerol, 2 in., \$3.00 per 100.

VINCA VAR., 2 in. \$2.00 per 100.

Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order.

GLADIOLUS BULBS, mostly light colors, \$1.00 per 100.

REX BEGONIAS, 2 in., \$5.00 per 100.

COLEUS; CIGAR PLANT; VERBENA; HELIOTROPE; SCARLET SAGE, Bonfire; 2 in. pots, \$2.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

LOOK HERE

Bride and Maid, fine stock, own roots 3 in., \$5.00 per 100.

Grafted, fine stock, Bride, Maid, Killarney, Richmond, 3 in., \$10.00 per 100.

POINSETTIA

Stock Plants for sale, \$10.00 and \$15.00 per 100.

JAMES E. BEACH

2019 PARK AVE., BRIDGEPORT, CONN.

PLANT BARGAINS

FUCHSIAS, five finest kinds, 2 in., 1 1/2c.; R. C., \$5.00 per 1000.

COLEUS, Good Bedders, 2 in., Dept. R. C., \$4.00 per 1000.

ASTERs, branching, 4 colors, \$2.00 per 1000.

TOMATOES, Stone and Trophy, 75c. per 1000. Cash.

SHIPPENSBURG FLORAL CO., Shippensburg, Pa.

AFTERGLOW

Orders now booked for field-grown plants to be delivered in August and September.

1st size, \$14.00 per 100.

2nd size, \$12.00 per 100.

R. WITTERSTAETTER

(Originator) Station F. CINCINNATI, O.

CARNATIONS

Rooted Cuttings, No. 1 stock.

White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000.

Queen, Pink Lawson, \$1.50 per 100; \$15.00 per 1000.

Harlowarden, \$1.50 per 100; \$15 per 1000.

Enchantress, \$2.00 per 100; \$18.00 per 1000.

White Perfection, \$2.50 per 100; \$22.50 per 1000.

Cash with order or satisfactory references, SMITH & GANNETT, GENEVA, N. Y.

A. F. LONGREN

Rooted Cuttings and Plants of Carnations and Chrysanthemums

My Specialty

DES PLAINES, ILL.

Jensen & Dekema

CARNATION SPECIALISTS

647 W. Foster Ave., CHICAGO

CARNATIONS

F. DORNER & SONS CO.

LAFAYETTE, IND.

COLEUS

Golden Bedder and Verschaffeltii, \$1.75 per 100. SALVIA, 2 and 4 in., \$1.75 and \$3.00 per 100. HIBISCUS, assorted, 1 in. pots, \$6.00 per 100. FUCHSIAS, assorted, 4 in. pots, \$5.00 per 100. GERANIUMS, S. A. Nutt, 3 in. pots, \$3.00 per 100.

B. F. BARR & CO., LANCASTER, PA.

\$1.50 per 100; 2 in. pots

SWAINSONA Alba, COLEUS, VINCA Variegata, FEVERFEW, double white, STEVIA, SWEET ALYSSUM, single, SHASTA DAISY, SMILAX, CELESTIAL PEPPERS, IUNBERGIA, IVY, ROSE, VIAUD, NUTT, BUCHNER, DOUBLE GRANT, GENERAL GRANT; etc., all in 2 in. 1 1/2c.

ASTERs, four-colors, Semple's, \$2.50 per 1000

R. C. prepaid per 10 - VINCA Variegata, 9c; COLEUS, 6c; ALTERNANTHERAS, 50c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

LAST CALL TO CLEAN UP

I offer the following plants, all strong and heavy: 100 1000

1000 SNAPDRAGON, Giant, four colors, 2 1/2 in. pots, \$1.50 \$12.00

500 SALVIA Bonfire, (Sage), 3 in. pots, \$2.00

300 Single PETUNIAS, 3 in. pots 2.00

300 DUSTY MILLER, 2 1/2 in. pots 2.00

400 CANNAS, Henderson, Charlotte, Austria, 3 in., 3.00

J. S. BLOOM, Riegelsville, Pa.

SPECIAL TO CLOSE OUT

1000 Vinca Variegata, 2 in. pots, \$1.50 per 100.

500 Coleus, Golden Bedder, 2 1/2 in., \$1.50 per 100.

500 Verschaffeltii, 2 1/2 in., \$1.50 per 100.

500 Geraniums, La Favorite, 3 1/2 in., \$4.50 per 100.

100 Ageratum, white, 3 in., \$3.00 per 100.

200 Cannas, Red Leaf, 3 1/2 in., \$4.00 per 100.

100 Vinca Variegata, 3 in., \$4.00 per 100.

GUARANTEED STOCK. CASH, PLEASE.

R. I. HART, Hackettstown, N. J.

COLEUS

C. Verschaffeltii, Golden Bedder and 15 others, 2 in. pots, \$1.50 per 100.

AGERATUM, Garnet, 2 in., \$1.50 per 100.

HELIO-TROPE, dark, 3 in., \$3.00 per 100.

ASTERs, Semple's, 2 in., \$1.00 per 100.

ASPARAGUS Plumosus and Sprengeri, 4 in., \$5.00 per 100. Cash with order.

ERNEST HARRIS, Delanson, N. Y.

CAMPBELL VIOLETS

25,000 Sand Rooted Cuttings, as fine as silk, \$1.00 per 100 by mail, prepaid; \$7.00 per 1000 by express, not prepaid. Satisfaction guaranteed.

Strong, field-grown plants of Campbell and California ready in August.

CHAS. BLACK, HIGHTSTOWN, N. J.

MARIE LOUISE VIOLETS

Schuneman's famous violets are well known, are the most fragrant and finest of all violets. Fine plants for benching at once, guaranteed the best stock in the market, none better, only \$10.00 per 1000. Come and take a look at them. Only seven-cent (17) miles from New York. Good sample, 20c. Cash only.

George T. Schuneman's Violet Range, Baldwins, L. I., N. Y.

SMILAX

Strong 2 1/2-in. pots, \$1.75 per 100; \$15.00 per 1000.

SEEDLINGS, 25c. per 100; \$2.00 per 1000. Cash.

McCabe Street

WILLIAM LIVESEY, NEW BEDFORD, MASS

VIOLETS

Marie Louise and Farquhar, February and March struck, strong, sand-rooted cuttings, clean and free from disease, \$2.00 per 100; \$15.00 per 1000.

Cash with order, please.

C. LAWRTZEN, BOX 261, RHINEBECK, N. Y.

Commercial Violet Culture

PRICE, \$1.50

The FLORISTS' EXCHANGE, 2-Duane St, New York

THE WEEK'S WORK

Timme's Timely Teachings.

Hybrid Pyrethrums.

The hardy plant border at this time of year is brightening up things wonderfully. Iris, columbines, foxglove, pyrethrums and a number of lesser lights shine forth in all the colors imaginable, to say nothing of peonies, now nearing the close of their flowering season. But *Pyrethrum roseum hybridum grandiflorum* is my subject, and of it I can truly say that none of its companions, now in bloom, surpasses or even equals it in daintiness of color, graceful form, profusion of bloom and general effectiveness when massed together. Add to this its absolute hardiness, every plant surviving the severest or most fickle of Winters, seemingly content wherever planted and under any sort of treatment, certain every Spring to produce a wealth of superbly-built, brightly-tinted flowers on erect, long stems that, when cut, will last in good shape for nearly a fortnight, and its virtues as a plant for the hardy garden or its value commercially appear to have been fittingly set forth. That pyrethrums have been for some time, and are still a mass of bloom, though a delight to every beholder, is the only fault cut flower growers may possibly find with them. When peonies reign supreme, when roses, carnations, tree-blossoms, garden and wild flowers are carted to the market by the heaped-up wagonloads and sold by the armful at any old price, what chance to make any impression for the modestly-refined, mild-eyed pyrethrums is there or for its grower? Nevertheless, pyrethrums are invaluable for early garden effects, are much called for as such every Spring, are easily raised from seeds, which may yet be sown for next year's selling stock, and their flowers come mighty handy for the retail grower's home use.

Shasta Daisies.

Now, while among the hardy things, let us take a look at the field of Shasta daisies, coarsely robust, bold-faced creatures, as compared with pyrethrums. They are now in bud, but not in bloom for some weeks to come. And therein lies their merit. They bloom at a time when flowers are somewhat scarce, very scarce occasionally, when the wrangle with an overwhelming over-supply is over, and before the domineering asters make themselves seriously felt by those trying to make money out of other garden crops. Shasta daisies have been paying handsomely for what little care they require so far and will continue to do so for some time to come, unless growers become wiser in their ways of culture and selection of stock, a wisdom usually leading to the folly of over-production. Shasta daisies are so easily raised from seeds that nearly every one of us has had a hand in the production of countless plants, of which but a small number are actually worth having. Flowers of these seedlings, with the exception of these very few, stand no show at our markets, while those of the prime stock sell readily at a good price. This carefully selected high-class stock, however, once acquired, is by no means permanently secured property, for Shasta daisies die out by the hundreds every Winter. Unprotected in any way, they freeze to death or are lifted above ground and nothing is seen of them in the Spring but a handful of dried-up roots and stumps; covered over so carefully with tree leaves, straw or litter of any kind, they are sure to rot down to the very tips of every root. Whole fields of such valuable varieties as Alaska and Westralia have thus been lost. Finally established plants only, and these under a loosely laid cover of tree branches, preferably those from evergreen trees, are to be relied upon to come safely through our Winters.

Greenhouse Greens.

Maidenhair ferns, spoken of in a recent issue, probably claim first place among decorative greens grown under glass, as regards nicety in management or need of attention to details in their culture. As to extent in cultivation, the greenhouse varieties of asparagus easily lead. These and smilax, to produce in closely following, successive crops high-

GRAFTED ROSES

FINE STOCK. READY NOW

Killarney, Carnot, Kaiserin Augusta Victoria, Uncle John, from 2 1/2 in. pots, \$2.00 per dozen; \$16.00 per 100; from 3 in. pots, \$2.50 per dozen; \$18.00 per 100.
Killarney, Carnot, Kaiserin, and Uncle John, from 3 1/2 in. pots, \$3.00 per dozen; \$24.00 per 100.
The Bride, Bridesmaid, Golden Gate, from 2 1/2 in. pots, \$2.00 per dozen; \$12.00 per 100; from 3 in. pots, \$2.50 per dozen; \$16.00 per 100; 3 1/2 in. pots, \$3.00 per dozen; \$17.00 per 100.

OWN ROOTS

Killarney, 2 1/2 in. pots, \$1.00 per dozen; \$6.00 per 100; from 3 in. pots, \$1.50 per dozen; \$9.00 per 100.
Richmond, Sunrise, Sunset, Kaiserin, Pres. Carnot, from 2 1/2 in. pots, \$5.00 per 100; from 3 in. pots, \$7.00 per 100.
Bride, Bridesmaid, Golden Gate, from 2 1/2 in. pots, \$4.00 per 100; from 3 in. pots, \$7.00 per 100; \$6.00 per 1000.

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READY NOW: 100 1000
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CHRYSANTHEMUMS

Autumn Glory, Ada Spaulding, Col. D. Appleton, Crema, Cullingfordii, Dr. Enguehard, Dorothy Devens, Geo. Kalb, Glory Pacific, Harry May, H. W. Rieman, Ivory, Jennie Nonin, J. E. Leger, J. H. Troy, Mrs. H. Robinson, Maud Dean, Meta, Mrs. Jerome Jones, Miss Minnie Wanamaker, Miss Alice Byron, Mrs. Baer, Major Bonnefont, Mad. Ferd. Bergmann, Nagoya, Polly Rose, Robt. Halliday, Soleil D'Octobre, Timothy Eaton, Vivand-Morel, W. H. Lincoln, Mrs. Robt. McArthur, Wm. Duckham, F. A. Cobbold, Price from 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000. Rooted Cuttings, \$1.50 per 1000.

CANNAS

Strong plants from 3 1/2 in. pots (30 fine named varieties), \$6.00 and \$8.00 per 100.

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CHRYSANTHEMUMS

3000 Appleton, 500 each Timothy Eaton, Yellow Eaton, Monrovia, W. Duckham, Cheltoni, Pacific, Nellie Pockett, 1000 Mrs. W. Duckham, 500 F. A. Cobboldt, 500 Garza, ready for planting, from 2 1/2 in. pots, \$3.00 per 100; \$20.00 per 1000. Many other kinds to smaller quantity.

CHAS. H. TOTTY, = = Madison, N. J.

grade strings or sprays, require a temperature during the Winter months never lower than that of a rose house, and when making new plantations of either—to be done now when every house is a hothouse—this point should receive due consideration. The need of sufficient headroom also must be thought of for the stringing of smilax and Asparagus plumosus. Next in point of importance are young, strong seedling plants, always easily to be raised or to be obtained from other growers and always to be preferred to older plants or stock to be carried along for another season. The preparation of the soil for replantings should be most thorough; a rather stiff but deeply worked-up and highly fertilized bed, preferably on solid ground, is to be the object. Good sprays of Asparagus Sprengeri are to be cut from plants, set in single or double rows into narrow, very deep, box-like benches, filled with the richest of compost.

Gutter Comanches.

The mutilation of newly-planted trees and shrubs, the uprooting of plants and ruination of flower beds, the overthrow of vases, freshly stocked with costly plants, the destruction of trellises, the breaking of glass in hotheds and private conservatories, are part of the playful pastimes some of our school children love to indulge in, according to oft-told stories of utter discouragement in garden-making and numerous complaints from customers every year. These children—boys likely, savages surely—override all rules of civil or moral rights, pretty safe from punishment, unless known or caught in the act, which they never are. Flower-adorned home grounds adjoining our public thoroughfares have thus in many cases been despoiled. Who can suggest a remedy? FRED. W. TIMME.

VERBENAS	100
Best Mammoth, from pots.....	\$3.00
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Fine plants from 2 1/2 in. pots. While they last, at \$2.00 per 100. Order quick

WHITE:	PINK:
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QUIDNICK GREENHOUSES, Quidnick, R. I. Anthony P.O. J. H. CUSHING, Prop.

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From 2 1/2 in. pots, \$2.00 per 1000; extra good stock: 1000 Pacific, 2000 Holliday, 1400 Touset 5400 Appleton, 2200 Robinson.

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20,000 CHRYSANTHEMUMS Rooted Cuttings Now Ready.

WHITE—Timothy Eaton, Mrs. Geo. S. Kolb, fine early; Estelle, White Bonnaffon, Alice Barron, Ivory, C. Touset, Jeanne Nonin. PINK—Glory of the Pacific, Mary Shann, Dr. Enguehard, Maud Dean, Rosiere. YELLOW—Major Bonnaffon, Crema, Robt. Halliday, "Baby," small yellow. \$2.00 per 100; \$15.00 per 1000. Cash with order.

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Splendens Giganteum Hybrids
Finest strain in the world in five true colors, extra well grown plants from 2 1/2 in. pots, \$5.00 per 100; \$45.00 per 1000.

Satisfaction Guaranteed
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I am well equipped to supply the above in any quantity at the following prices:
BEGONIA GLOIRE DE LORRAINE, 2 1/2 in. pots (leaf cuttings), \$15.00 per 100; \$140.00 per 1000.
CYCLAMEN, 2 1/2 in., \$5.00; 3 in., \$7.00; 4 in., \$15.00; 5 in., \$20.00.
POINSETTIAS, 2 1/2 in., \$5.00 per 100; \$45.00 per 1000.

Satisfaction guaranteed.
S. S. SKIDELSKY
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1908 10,000 Fine Vincas 1908

Fine Vincas, from 2 1/2 in., at \$2.50 per 100; \$23.50 per 1000; 500 at 1000 rates.
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Good Rooted Cuttings and plants from soil now ready.
WHITE—Estelle, Polly Rose, A. Byron, Ivory, T. Eaton, Geo. S. Kalb, Opah.
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\$1.25 per 100; \$10.00 per 1000.
Cash or C. O. D.
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From 2 1/2 in. pots. Fine stock.
Bonnaffon, Eaton, Mrs. Jerome Jones (white and yellow), Ivory, White Shaw, Monrovia, Kalb, Touset, October Frost, Helen Frick, John Burton, Dorothy Faust, Amoris, etc. Cash, please.
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CLASSIFIED ADVERTISEMENTS

Cash with order. The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc. For Sale or Rent.

SITUATIONS WANTED

SITUATION WANTED—By competent rose grower on commercial place; take care of section. Free first of July, with best of references. Address, A. care The Florists' Exchange.

HELP WANTED

WANTED—A man of character and experience to grow roses and carnations for the market. Address, F. R. Rogers, Hampton, Va.

STOCK FOR SALE

SMILAX, strong, stocky, from 2 1/2 in. pots, \$1.50 per 100, Bay View Floral Company, Southold, N. Y.

FOR SALE OR RENT

FOR SALE—Greenhouses. About 30,000 feet of glass in first-class condition, well stocked with roses; fine location for retail trade. Handy to Boston market for wholesale; chance of a life-time. Reason for selling all my time is taken up with other business. Write for particulars or call and see them. Address, H. F. Crawford, Mentello Station, Brockton, Mass.

TO LEASE

FOUR GREENHOUSES, containing about 40,000 feet of glass; in good running order. Fine place for wholesale and retail trade.

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The florist business of Chas. Schuck & Brother. This is one of the best paying establishments in Philadelphia. The plant consists of eight greenhouses, steam heated store, dwelling and stable. Established twenty-five years. References to this business can be had from any florist or seed house in Philadelphia.

CHAS. SCHUCK & BROTHER, 2441 to 2457 N. Eighth St., PHILADELPHIA, PA.

FOR SALE

TOBACCO DUST, \$2.50 per 100 lbs.; in case lots, about 350 lbs. 2c. per lb. Tobacco stems, \$2.00 per bale, about 400 lbs. Cash with order. S. R. Levy, Binghamton, N. Y.

FOR SALE—A large consignment of 16x2 1/2 double thick American glass, A and E quality. For further information write Parsheley Brothers, 50 Montrose avenue Brooklyn, N. Y.

FOR SALE—Greenhouse material and hotbed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hotbed sash. E. Reich, 1429 Metropolitan avenue Brooklyn, N. Y.

FOR SALE—300 boxes 10x12 and 10x14 in double thick glass; 5,000 feet 4-in. cast-iron pipe; 3,000 feet of 1 1/2 and 2 in. wrought iron pipe; 300 hotbed sash, size 3x6 with 10x12 glass; two No. 17 Hitchings boilers; one No. 8 Furman sectional boiler; 600 feet Hitchings ventilating apparatus. All as good as new. Chas. L. Suessermann, 229 Livingston street, Newark, N. J.

FOR SALE

PIPE Good serviceable second hand with good threads and a coupling with each length, no junk—1 in. 3c.; 1 1/2 in. 4 1/2c.; 2 in. 5c.; 2 1/2 in. 6 1/2c.; 3 in. 10 1/2c.; 4 in. 14c.; 4 1/2 in. 19c. New 2 in. standard black, 10 1/2c. Old 4 in. greenhouse pipe, 14c. per foot; 4 in. boiler tubes, 8c per foot. All kinds of fittings for 4 in. cast iron. All sizes wrought iron pipe carried in stock.

BOILERS one 12 in. grate, new round boiler, will heat 650 sq. ft. of glass, \$30.00; one 16 in. grate, new, round boiler, heating 900 sq. ft. of glass, \$40.00. Richmond boiler, heat 6,000 ft. of glass; 1 Jundy boiler, heat 2,500 ft. of glass; 1 H B Smith, heat 3,000 ft. of glass. We have other sizes and makes in stock. Write for prices.

PIPE FITTING TOOLS New and old. Large stock always on hand.

GARDEN HOSE In lengths up to 500 ft. lengths carried in stock. 3/4 in. 3 ply, guaranteed 100 lbs. pressure, 8 1/2c. 4 ply guaranteed 250 lbs. pressure, 12 1/2c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft. 80c.; glazed complete \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New, 8x10 single at \$1.69 per box; 10x12 C. double, \$1.75 per box; 10x12 and 12x12 B. double, \$2.00 per box; 12x14 to 12x20, 14x14 to 14x20, 16x16 and 16x18, B. double, at \$2.35 per box; and 16x20 and 12x24, B. double, \$2.26 per box. Discount given for large quantities.

PECKY CYPRESS \$25.00 per 1000.

We can furnish everything in new material to erect any alze house. Get our prices.

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When Writing Please Mention THE FLORISTS' EXCHANGE.

WANTED—A good all-round man (no drinker), with some capital to take a share in my business or will rent the place to some responsible party. This is an excellent opportunity for a good grower. Address, B., care The Florists' Exchange.

WANTED—A good, reliable, honest, sober, married man for truck garden and general work, also to help in greenhouses. Must be one who can do all kinds of work with a team. State wages in first letter. New house to live in on place, with all conveniences in same. Address, F. B. Rine, Lewisburg, Pa.

WANTED—For a New York wholesale cut flower house, a thorough all-around energetic florist, familiar with the New York City trade, one who is able to take charge; must come well recommended. A good opening for the right party. Address, M., care The Florists' Exchange.

WANTED—Sober, reliable, young married man; good designer and capable of taking charge of retail and packing department for 40,000 feet of glass. No book work. Permanent position for energetic young man. Wages, \$15.00 per week. J. F. Amman, Edwardsville, Ill.

WANTED—For commercial place in Eastern Pennsylvania a thoroughly competent rose grower, one who has a fair knowledge of general stock, wholesale and retail business. Must have unquestionable references as to character and ability. Address, with full particulars, A. B. C., care The Florists' Exchange.

WANTED—For Eastern states a good grower as foreman of first-class place; long experience on good wholesale and retail places with roses, carnations, chrysanthemums and ferns for first-class trade. Good worker, sober and ambitious, references. State wages and full particulars. Address, J. W. H., care The Florists' Exchange.

WANTED

At once, a good all-around single florist. H. P. THOMPSON, 28 East Pitt St., CANONSBURG, PA.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F.W., care The Florists' Exchange.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, E. X., care The Florists' Exchange.

WANTED To lease, about 5,000 feet of greenhouses, with land and dwelling. Southern New England or Eastern New York State preferred. Address, K., care The Florists' Exchange.

WANTED To buy place of 6,000 to 15,000 feet of glass in good condition near R. R., with few acres of ground; preferably in Eastern States. State particulars. Address, P., care The Florists' Exchange.

MISCELLANEOUS

WANTED—To buy several large Agave Americana Variegata, about 4 ft. high from top of tub. Address, starting price, Berryhill Nursery, Baresburg, Pa.

FOR SALE—Twenty shares of stock in the A. T. De La Mare Printing and Publishing Company—publishers of the Florists' Exchange. Price \$45.00 per share in lots of five or more shares. Apply to R. Irving Outwater, 15 Exchange Place, Jersey City, N. J.

The book of WATER GARDENING By Peter Blisset. Price, postpaid, \$2.50. A. T. DE LA MARE PTG. & PUB. CO., LTD.

Thirty cents is the minimum charge for advertisements on this page.

Prices Advertised in these Columns are for THE TRADE ONLY—

When Writing Please Mention THE FLORISTS' EXCHANGE.

REVIEW OF THE MARKET

NEW YORK.—The cut flower market shows no improvement over last week. True, there is a little falling off in the supply of tea roses, but no beneficial effects have been felt on that account and prices have remained unchanged. American Beauty are still plentiful, and prices are, if anything, lower, than they were before. Among the roses coming in there is a great deal of mildewed stock, and the difficulties that the commission man has in handling this class of goods at such a time as this can better be imagined than described. So far as getting any prices for mildewed stock is concerned, it seems utterly impossible. Carnations are still coming in by the thousands and sell very poorly. Of cactylas there is a very heavy supply in the market and they are moving very unsatisfactorily; prices run anywhere from 25c. to 60c. each. It seems unfortunate that with such flowers as cactylas there should be a poor demand when they are in crop, as they are at the present time. There is a heavy supply of lilies continually, and they are offered in hundred lots at \$2 and \$3 per 100. Gardenias continue plentiful, and the supply of sweet peas seems to be heavier than has been the rule for several weeks. Peonies are still very much in evidence, though it is believed that within the next few days the end of the crop will be in sight. Lily of the valley, which for two or three weeks has sold fairly well, has again become almost a glut, and the price has dropped materially.

PHILADELPHIA.—Conditions among the florists this week are very much better than last, and a steady demand has come for white stock of all kinds to be used in design and wedding work. Weddings have been very numerous the past week or so and all the retailers are catching some of this class of work; naturally, the commission men are getting their share and in white stock they are buying from each other. American Beauty roses bring 20c. to 25c. and range down to \$2.00 for cutts. Brides run from \$6.00 to \$8.00 for best, then down to \$2.00. Orchids, 40c. to 50c. Carnations run from \$1.00 to \$2.00, and up to \$3.00 for fancy. Hairsill bring \$10.00 to \$12.00, and good stock is to be found. Peonies are going at from \$4.00 to \$6.00. Sweet peas hold at 50c. to 75c. Water lilies are very good at \$3.00 to \$4.00. The retailer is looking happier this week than for some time and is reporting some very good orders, although some are situated so that business does not get around as fast as in other parts of the city. There is not a whole lot of business being done, but that is to be expected at this season, although there is more than at this time last year.

BOSTON.—Market conditions remain in a very unsatisfactory state. There are large quantities of all kinds of flowers and prices. There are no stated prices. Roses are very plentiful and the Summer varieties are of good quality. There are lots of good carnations, but they move slowly. All other flowers are just as plentiful. Peonies now don't sell at all. The out-of-town trade has been better than the local, and those that have a regular shipping trade have been doing more business than others. J. W. D.

CINCINNATI.—Business is still on the ragged edge, but stock is also decreasing some, and, as soon as half of the stock is thrown out, the other half will fetch double the money and only half the work all around. Carnations last week did not average one-quarter of a cent each, and many sleepers were dumped. Roses are holding out much better. American Beauty is quite good; \$1.50, \$2 and \$3 being the selling price on 20, 24 and 36-inch stems. E. G. G.

INDIANAPOLIS.—The large surplus of flowers diminished materially at the close of the week and no more overloading is expected. Counter trade, with cooler weather, has improved. Many bouquets are ordered for the hospitals and sick rooms. June weddings are still numerous, but not consequential for the florist. Funeral work is generally the only ef-

fective course in the evidence of a heavy cut of stock. The national Saengerfest in the city this week has called for much flag and plant decorating. German style work, wreathing, too, is much in use. Next before have the streets present. Never before have the streets presented such a gala appearance. Hairsill of lilies are closing out well at \$12.50 per 100. Lilium auratum is more plentiful at \$15 per 100. Tubes of caudatum lilies are offered as low as \$1 per 100. Killarney roses have taken the leadership in the rose market at \$8 to \$10 per 100. Richmond, also, sell well at the same price. Midway and Brides and Madis are synonymous; the price is \$3 to \$6 per 100. Carnation prices are firmer at \$1.50 to \$2 per 100 and will remain so, as there is little good stock to draw upon. Other flowers are circumvented in sale by hily of the valley at \$1 per 100. Field-grown sweet peas of fair quality are not apt in the market at 25c. per 100. Pastel shades of indoor stock bring 50c. to \$1 per 100. Summer-garden flowers, such as candytuft, feverfew, ten-week stocks, corn flowers and nasturtiums are wont to please. Potted plants of good quality are entirely out of the market at a time when many wish them. Even good bedding stock is not obtainable. Tomlinson Hall Market is filled to overflowing with a great variety of material. Business is not brisk, as the retailers are not buying heavily, neither is the flower-loving public. J. B.

ST. LOUIS. The past week was a busy one for the local trade, as there was plenty of work to do for weddings, school commencements and large funeral orders. From now on, however, we cannot look for rushing business, as the retail and wholesale season has come to an end. There has been a large oversupply of second grade stock of all kinds, and really first class stock cannot be found in this market. All of our commission men say the past week was a good one, and they disposed of a lot of consignments at fairly good prices. For roses of the varieties, Bride, Bridesmaid, Richmond and Killarney, the top price was \$5 per 100, and as low as \$2. American Beauty, long, fancy, sold at \$3 to \$4 per dozen, and others from \$10 to \$3 per 100. In carnations the top price was \$2 per 100, and there were enough for all. Extra fine lily of the valley sold at \$3 to \$1 per 100. There is some extra quality outdoor stock in. Sweet peas are not any too good. The market holds some fine smilax, as also asparagus and fancy ferns of all kinds. ST. PATRICK.

CHICAGO.—A few days of cool weather have benefited the market to a great extent. From a condition of oversupply it has receded to a point which is more nearly the normal. Roses appear to have responded to the better growing weather to an extent which has stiffened the demand for them considerably, and the higher grades move quickly, although at prices little if any advanced. Long stemmed American Beauty are in good demand, and not too plentiful. All other varieties can be had in plenty, and of desirable quantity, and move well in all but the shorter grades. Peonies continue plentiful, but the offerings are mainly cold-storage stocks, the local cut being over. A few late varieties cut at remote points are coming in, and sell well. The supply of lily of the valley is quite inadequate for the demand, which is exceptionally good this month. Orchids, also, are on the scarce side. Carnations continue over plentiful, and in general poor in quality, consequently hard to dispose of. Large stocks are continually on hand, and bargain sales continue. A leading department store on Saturday disposed of many thousands of freshly cut blooms at ten cents a dozen, with a liberal quantity of fancy ferns thrown in with each dozen. Small quantities of Lilium auratum are arriving, and bring as high as \$1.50 per dozen. Spanish iris is plentiful and brings from 25c. to 50c. per dozen. Field daisies are arriving in wagon loads, and cannot be moved. Yellow daisies are in large supply and bring fairly good prices. Sweet peas hang fire a little on account of the quantity of outside stock arriving but long stemmed flowers still command fair prices. A few inside grown asters have made an appearance. J. H. P.

New York.

News Notes.
In view of the fact that the express companies have, with their added charges, made it so much more expensive to return empty flower boxes, it would seem advisable for those growers who can possibly do so to use paper boxes. Some of the wholesale dealers think that it would be quite feasible to substitute the paper box for the heavy wooden one now so much in use.

The wind-up of the plant auction season will come with the sales on Tuesday of the coming week. Wm. Elliott & Sons, who have had a most successful season this year, will conclude with their annual trade sale, and a splendid lot of ferns, decorative plants, palms and oranges will be offered and sold under the hammer.

The Cut Flower Exchange is paying a dividend of ten per cent, again this year. Payments are being made at the company's office, Sixth avenue and Twenty-sixth street, on Tuesday, June 16, and Tuesday, June 23.

It seems pretty well assumed that we are to have a good flower show in this city next Fall. The committee appointed at the Horticultural Society's meeting last week, among whom were representatives of the New York Florists' Club and the Society of American Florists, in addition to members from the Horticultural Society of New York, met and organized on Friday, June 19, in this city.

Ex-Governor L. Bradford Prince of New Mexico is in Flushing this week, renewing acquaintances of his boyhood days. Last Saturday he participated in the ceremonies of laying the cornerstone of the Masonic Temple in Flushing and made an address. Judge Prince will remain in Flushing a fortnight. He is a descendant of William Prince, the pioneer nurseryman of America.

The Brooklyn Retailers' Association will meet at 9 p. m. next Monday evening in the Imperial, Fulton street, Brooklyn. Every retailer doing a legitimate business in the Borough of Brooklyn is cordially invited to attend and become a member of this organization. Wm. A. Phillips is secretary.

At the home of C. L. Allen, Floral Park, N. Y., last Saturday, June 13, there was a very pleasant family gathering, the occasion being the eightieth birthday of that gentleman. Mr. Allen read a paper entitled "At Eighty," which was thoroughly enjoyed by those who were privileged to hear it.

The Carey Horticultural Company will hold an immense sale of ferns, palms and bay trees on Tuesday, June 23.

John Scott went to Newport, R. I., last Saturday and spent a few days on a combined business and pleasure trip.

B. Slim, Jr., wholesale florist at Twenty-sixth street and Sixth avenue, is enjoying a Summer's vacation in Europe.

Frank Zimmerman of College Point, L. I., is sending to the market spikes of a very fine variety of campanula. The flowers are white and semi-double, and well adapted for almost any kind of floral work.

Maurice Fuld, secretary of the New England Dahlia Society, was in the city this week, and is very enthusiastic over the coming exhibition of the New England Dahlia Society, to be held in Boston on September 17, 18 and 19. This will be the first annual show of the society.

J. K. Allen, wholesale florist at 106 West Twenty-eighth street, is receiving a fine grade of Adiantum hybridum from Lay & Brother. This fern is giving much satisfaction wherever used, it being an excellent keeper.

A light colored strain of foxglove is being received in quantities at Friendly & Schenck's. If there was only plenty of retail work going on just now the herbaceous flowers available, such as foxglove and campanula, would come in very useful.

Among other visitors this week were H. W. Beaman, Emporia, Va.; Edward A. Seidwitz, Baltimore, Md.; and P. J. Burgevin, Parthenore, N. Y.

Chicago.

The Week's News.
The Republican convention is the one thing of interest in Chicago this week. Whether the influx of visitors will result in benefit to the florists' trade remains to be seen; so far there has been little done in the way of decorations and

Asparagus

Spring very strong, 3 in., ready for 6 in. planting, \$5.00 per 100.
ASPARAGUS, Plumosa Nanus, 4 in \$6.00 per 100.
VINCA Minor, 3 colors, 2 in. \$2.00 per 100.
ASTERS, Queen of the Market and Semple's, 2 in. \$1.50 per 100.
SINGLE HOLLYHOCKS, 10 in. train string, \$2.00 per 100.
CENTAURIA Gymnocarpa (Daisy Miller), 2 in. \$2.00
Cash with order, please.

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Ready for Immediate Shipment.

2,000 Smilax, 2 in., January sown	100
500 Stevia, 2 in.	\$1.50
1,000 Coleus, 2 in. (assorted)	2.00
500 Asparagus Sprengerii, 4 in. extra	1.50
100 Geraniums, 4 in. (double white)	7.00
100 3 in.	4.00

Cash with order, please.

D. Wm. Brainard
Thompsonville, Garden Street CONN.

Smilax

Good, strong plants, 24 in. pots, \$2.00 per 100 \$18.00 per 1000. Cash with order.

A. V. D. SNYDER, Ridgewood, N. J.

The retail business in general has not received any impetus.

The committee having in charge the picnic of the Chicago Florists' Club at Morton Grove, July 19, is actively at work. The official program has been drafted and splendid progress made on the business end of it. Posters are to be printed and issued this week.

Frank H. Friedley, who has for some time been connected with the establishment of Miss Belle Miller, Springfield, Ill., has arranged to take over the management of the Rocky River establishment of the Gasser estate, at Cleveland, O.

Ruth, daughter of Warren G. Matthews, the well-known florist of Dayton, O., is to be married June 24, in her own new home, 28 Floral avenue, in that city.

L. F. Dintelmann and A. S. Halstead of Belleville, Ill., called upon the trade last week while en route to the nurserymen's convention at Milwaukee.

D. T. McCarthy of D. T. McCarthy & Sons, Lockport, N. Y., is spending this week in Chicago, and is visiting different growers' establishments.

News Notes.

Vaughan & Sperry are still receiving, daily, freshly cut peonies. They come from north and northwest sections, and most of the stock is fine in quality.

Wilder S. Deamud, who is associated with his father, J. B. Deamud, of the J. B. Deamud Company, was very agreeably surprised at his father's residence on Saturday evening last, when a large number of his friends unexpectedly dropped in to celebrate his seventeenth birthday.

He was the happy recipient of a diamond stud from his mother, and a pair of diamond cuff buttons from his fiancée, as well as other nice gifts. A very sociable and pleasant evening naturally followed.

The Frohmann Brothers Company are getting a daily cut of Lilium auratum very fine in quality.

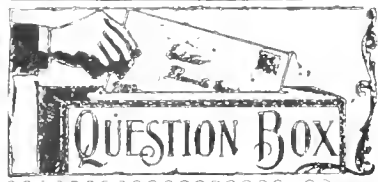
Ludwig, the Putzberg florist, is prominent in the Pennsylvania delegation to the Republican convention this week, but is finding time to call upon the trade.

P. W. Martin, 214, 4th street florist, is getting a good business for the wedding season. He is now getting down to the problem of installing a new boiler for his establishment. J. H. Peppin.

New Bedford, Mass.

Trade remains about the same as usual. There is not much doing in the cut flower line; funeral work is quite good and this uses up plenty of white flowers. Saturday last was another carnation bargain day, and they sold at 10c., 12c. and 15c. per dozen, one firm advertised 2,000 at 15c. per dozen; another 8,000 at 12c., and roses, 20,000 of them, at 20c. per dozen. The streets uptown on Saturday night presented a gala appearance, nearly everyone wearing some

kind of a flower. The regular price for carnations just now is 25c. and 35c. per dozen. Roses, \$1.25 and \$1.50 per dozen for good stock. There is still a marked call for geraniums and salvia plants. Sweet peas from outdoors are coming into bloom.
Napoleon Lemay, the Hillman street florist, is advertising a bunch of sweet peas as big as your head, for 25c. We have had some good rains recently and this has broken the dry spell. Outdoor roses are now in bloom.
Hortico.



(104) **Treatment of Marechal Niel Roses.** Early last Winter I planted two Marechal Niel roses at one end of my rose house. They have made a growth of fifteen feet, with laterals one-third that length. How shall I handle them from now on in regard to resting, cutting back, feeding, etc.? Shall I let canes grow from the bottom? When may I expect blooms and how often?
Connecticut. B.

Seeing that the Marechal Niel rose was planted only last Winter, we would allow it to complete its season's growth before attempting to prune it. We would keep it growing until the middle of July; then begin to decrease the water supply and allow the plant to gradually come to rest, although care must be taken that water is not kept away from it long enough to allow the foliage to wilt or the wood to shrivel and crack. After a partial rest—say of five or six weeks—the main shoot or lead should be shortened at the place where it is desired the rose should go no further. The lateral growths should be cut back about one-quarter of their length, and the weak or thin shoots cut away entirely. After the pruning is done, tie the rose securely in place and commence giving more water gradually, so as to induce it to break into growth again. New shoots will appear from the old canes left, and on these new shoots the flowers will come. When the rose has filled the space desired, the pruning every year will only need to be that of cutting the new wood back to within two or three eyes of the previous year's wood, just as is done in the pruning of other roses. We would not allow new canes to come up from the bottom, only when we wanted to replace some of the older canes that had become too old or injured in any way, so that they needed to be replaced. In regard to feeding the Marechal Niel rose, we would apply a mulch of barnyard manure at the time when we started the rose into growth after its Summer rest, and when the foliage was well developed, and not before that time, we would apply a good watering with liquid manure once a week. If this is done and the plant is otherwise well provided for, two, and possibly three, good crops of bloom can be had during the Winter and Spring seasons.

(105) **Manurial Values.**—I would like the opinion of some of the largest growers near New York City as to the manurial value, per ton, of pulverized and shredded manure. Is there any manurial value in air-slacked lime? If so, about what amount per barrel?
Connecticut. CONSTANT READER.

—We presume the questioner here refers to pulverized sheep manure, and we would say that this is a high-grade fertilizer and can be used with safety for almost any crop. It is a good idea to mix it with its equal bulk of soil before applying it as a mulch to any crop, as it is stronger and richer than the usual barnyard manure. Lime is valuable also as a manure, for some one or more of its salts enter into the composition of every vegetable. We have not at hand an analysis of lime showing just what manurial value it contains, but nearly all soils are benefited by a liberal dressing of lime—say, at the rate of fifty bushels to the acre.

(106) **Flowers for Name.** Please name the two flowers enclosed.
Connecticut. J. B. R.

Number one is possibly *Tragopogon pratensis*, a native of Europe, but naturalized in various States throughout the Union. It is also called goat's beard. Number two is *saxifraga* (cotyledon), but is generally sold as *Saxifraga pyramidalis*.
H. G.

ALLENDALE, N. J. The Village Improvement Association, composed entirely of ladies, has ornamented the grounds around the railway station by planting a large bed of shrubbery on one side of the track and a large bed of flowers on the other side. The planting was done by J. G. and A. Esler of Saddle River.

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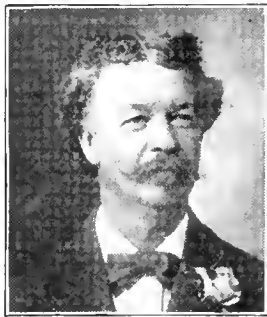
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And just think!

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BEGONIA VERNON, dwarf red and Erfordii, 4 in., 6c.; 3 in., dark dwarf Vernon, 4c.

COBÆA SCANDENS, we have about 1000 nicely staked up, 4 in. pots, about 2 feet high, to close out, 5c. each.

CANNAS, best bedding varieties, red, yellow and pink by name, large, 4 in., \$6.00 per 100.

FUCHSIAS, 4 in., big stock, 6c.

ASTERS, Victoria, 2½ in. pots, \$2.00 per 100.

SOLANUM, the newest improved variety (*Multiflorum*) produces large berries and plenty of them, 2½ in. pots, \$1.00 per 100.

COSMOS, 3 plants in a 3 in. pot, \$4.00 per 100.

Pure white **MOON VINES**, for which we have a world-wide reputation, 4 in., 12c.; 2½ in., 5c.

Plants, 2½ to 3 in. pots, at only 2c.

Heliotropes, Phlox Drummondii, Lobelia, blue, Dwarf and Trailing; Tradescantia, Verbenas, Petunias, Giant and Inimitable; Sweet Alyssum, Little Gem; Summer Chrysanthemums, Nasturtiums, Pyrethrum, white flowering; Kenilworth Ivy, Tagetes or Marigold, Eldorado and Gold

Ring; Ageratum, 3 in.; Fuchsias, Torenia Four-nieri, Dianthus, Chinese and Japanese Plinks.

BOSTON, SCOTTII and WHITMANI FERNS, 4 in., 20c. to 25c. each. **WHITMANI FERNS**, 4 in., 25c.

CLEMATIS JACKMANNI, the true variety, from Europe, 6 in. pots, 3 feet high, 35c. to 50c. each.

ARAUCARIA ROBUSTA COMPACTA, new importations, 6 in. pots, 3 tiers, \$1.25 to \$1.50. *Araucaria Excelsa Glauca*, new importations, 6 in., 3 tiers, \$1.00 to \$1.25.

ARAUCARIA EXCELSA GLAUCA, for the lawn or porch, last Spring (1907) importation. Only specimen plants can be offered of the beautiful type, 6-7 in. pots, 25-30-35-40 in. high, same in width, 6 year old, 5 tiers, \$1.75, \$2.00, \$2.50 to \$3.00 each.

Have just received from Antwerp about 5000 *Araucaria Excelsa* of all sizes. Plants, 3 tiers, 5-10-12 in., 40c.; 12 to 14 in., 50c.; above, 60c. to 75c.

KENTIA BELMOREANA, 4 in., 20 in. high, 35c.; 5 in., 20 to 25 in. high, 50c.; 5½ in. pots, 60c. to 75c.

KENTIA FORSTERIANA, 7 in. pots, 40 to 50 inches high, \$2.50 to \$3.00 each. 6 in. pots, 30 inches high, \$1.50; 6 in. pots, 25 inches high, \$1.00; 6 in. pot, 20 inches high, 75c.; 5 in. to 5½ in. pots, 50c. each.

DRACÆNA BRUANTI, 6 in., 35c.

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Giant Flowering Pansy Seed ready, oz., \$4.00.

JULY 1

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| SEEDLING PETUNIAS | | 2.50 |
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	extra.....	5.00 to 6.00		STANDARD White.....	.50 to .75
	No. 1.....	4.00 to 5.00	VARIEGATED Pink.....	.50 to .75	
	No 2.....	2.00 to 3.00	Red.....	.50 to .75	
	No 3.....	.50 to 1.00	Yel. & Var.....	.50 to .75	
	Bride, Maid fancy-special.....	3.00 to 4.00	FANCY—White.....	.75 to 1.50	
	extra.....	1.00 to 3.00	(*The highest grade of standard var) Pink.....	.75 to 1.50	
	No. 1.....	.50 to 1.00	Red.....	.75 to 1.50	
	No. 2.....	.25 to .50	Yel. & Var.....	.75 to 1.50	
	Golden Gate.....	.50 to 5.00	NOVELTIES.....	1.00 to 2.00	
	RICHMOND.....	.50 to 6.00	GARDENIAS, per doz.....	.50 to 2.00	
	Mme. Abel Chatenay.....	.50 to 5.00	LILIES.....	2.00 to 4.00	
	ADIANTUM.....	.50 to .75	LILY OF THE VALLEY.....	1.00 to 2.00	
	CROWNEANUM.....	.50 to 1.50	SMILAX.....	8.00 to 10.00	
	ASPARAGUS.....	25.00 to 50.00	ANTHRINUM (per bunch).....	.50 to 1.00	
	" Plumosa, bunches.....	8.00 to 15.00	SWEET PEAS (per doz. bunches).....	.25 to .75	
	" Sprengeri, bunches.....	8.00 to 15.00	PEONIES.....	1.00 to 3.00	
	CALLAS.....	3.00 to 6.00	GLADIOLUS.....	4.00 to 5.00	
	CATTLEYAS.....	25.00 to 50.00	 to	
	CYPRIPEDIUMS..... to to	
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Wholesale Florists
54 West 28th Street New York
Telephone: 3559 Madison Square
Consignments of Choice Cut Flowers Solicited
Prompt Payments. Give Us a Trial

Grand Rapids, Mich.
The Week's News.
Much needed rain came on the 13th, the first since the torrid heat and humid atmosphere of Decoration Day week. It has given field crops a start, long delayed, but which may now, if weather continues favorable, make up for lost time.
Weddings have been numerous so far this month, but the decorations as a rule are not lavish. Funeral work has been plentiful and kept all the florists busy. Shipping orders have been steady, but light in size. Out-of-town buyers having greenhouses of their own, on account of the excessive hot weather, have cut more flowers than usual for this time of year. It is this condition that makes their demands on the grower less than customary.
There is some talk among some of the lettuce and vegetable men about building, but very little is heard among the florists, although there is an exceptional case or so among the retailers; but those who grow for the open market say not this year. One florist, basing his expectations on last season's business, had 100 boxes of glass ordered, but prices were too low for profit, and he says, "I made a mistake; I won't put up any greenhouses this year."
Commencements are putting some life into the business and for another week trade will be good; then the overworked florist will take a much-needed vacation.
Carnations are getting poor in quality. Roses are growing smaller daily, except perhaps Kaiserins and Meteors. There are a nice lot of Japan lilies in prospect for a continuous Summer cut. Gigantums are about over. Plenty of peonies and they sell well.
G. F. C.



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Wholesale Florist
CONSIGNMENTS SOLICITED
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Commission Handlers of CUT FLOWERS DAILY CONSIGNMENTS FROM 40 TO 60 GROWERS

Inside Chicago Market Quotations

A complete line of Florists' Supplies, catalogue free. Manufacturers of Wire Designs Long Distance Phone, Central-6004

E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago

WHOLESALE CUT FLOWERS and FLORISTS' SUPPLIES

C.C. Pollworth Co. Milwaukee, Wis.

"The Busiest House in Chicago" J. B. DEAMUD CO. Wholesale Florists 51 Wabash Ave.

WIETOR BROS. Wholesale Growers of CUT FLOWERS All telegraph and telephone orders given prompt attention. 51 Wabash Ave., CHICAGO

E. G. HILL CO. Wholesale Florists RICHMOND, INDIANA

Poehlmann Bros. Co. Wholesale Growers of and Dealers in Cut Flowers All telegraph and telephone orders given prompt attention. Greenhouses: 35-37 Randolph St., MORTON GROVE, ILL. CHICAGO

ST. PAUL, MINN. Send us your Orders for delivery in the Northwest, which will have our best attention. L. L. MAY & CO., Florists, St. Paul, Minn.

All Leading Varieties of ROSES and Carnations PETER REINBERG Wholesale Cut Flowers 51 Wabash Ave., CHICAGO, ILL. Headquarters for American Beauty Rose

VAUGHAN & SPERRY Wholesale Florists Valley, Carnations and Roses 58-60 WABASH AVE., CHICAGO

GROWERS OF CARNATIONS WHO HAVE MORE PLANTS THAN THEY NEED, WILL FIND A READY SALE FOR THEM BY PLACING AN ADVERTISEMENT IN THE FLORISTS' EXCHANGE.

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J. A. BUDLONG 37-39 Randolph Street, CHICAGO. Wholesale CUT FLOWERS

Wholesale Prices of Cut Flowers, Chicago, June 17th, 1908 Prices quoted are by the hundred unless otherwise noted

Table with columns for ROSES (American Beauty, Golden Gate, etc.) and CARNATIONS (Standard Varieties, Fancy, etc.) with prices per doz.

Philadelphia. Chas. I. Kent, at 40th and Walnut streets, reports some good business in design work... Mrs. Anna Hursh, 810 Girard avenue, is receiving several decoration orders for weddings...

CHAS. W. MCKELLAR ORCHIDS FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS 51 Wabash Ave., Chicago

A. L. RANDALL CO. Western Headquarters for Up-to-Date Florists' Supplies Write for Catalogue Nos. 19-21 RANDOLPH ST., CHICAGO

Fred Loret, Broad and Edmont... William McKow... Harry Engler... Leo Niessen Company... Columbus, O.

Trade Notes. Local florists who were considerably disappointed at the outcome of Memorial Day trade are having a chance to catch up this month on orders for weddings, graduating exercises, etc... At the last meeting of the Columbus Florists' Club it was decided to have the annual picnic at Buckeye Lake, July 15.

CANADIAN NEWS

MONTREAL—A much needed rain is falling which will greatly help the growing crops... The Governor General's presence here the past few days has considerably helped the waning demand for cut flowers... James McKenna was recently elected an alderman in the city of Montreal for Mount Royal ward.

Henry M. Robinson & Co.

Wholesale Commission Florists
HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES



Bronze Galax, best quality \$8.50 case of 10,000.
 Green Galax, best quality \$7.50 case of 10,000.
 New crop Dagger and Fancy Ferns, \$1.00 per 1,000.

Laurel Festooning, Boxwood, Sphagnum and Green Moss, Southern Wild Smilax, Leucothoe Sprays, etc.



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Manufacturer of **Floral Metal Designs**

IMPORTER AND DEALER IN FLORISTS' SUPPLIES

FACTORY: 709 FIRST AVENUE, BETWEEN 40th AND 41st STREETS, NEW YORK

OFFICE AND WAREHOUSES: 404, 406, 408, 410, 412 East 34th St. WRITE FOR NEW CATALOGUE



New Crop Native Ferns, Fancy or Dagger, 75c. per 1000.
 Nice, fancy Ferns, 85c. per 1000. Good Dagger Ferns, \$1.00 per 1000. New crop Dagger Ferns, \$1.50 per 1000. Galax, Green or Bronze, \$1.00 per 1000; case lots, 10,000, \$7.50. 50 lb. cases Wild Smilax, \$8.00. Leucothoe Sprays, Bronze or Green, 40c. per 100. Ground Pine, 5c. per lb. or 5c. per yd. Pine and Laurel wreaths, Pine, \$1.50 per doz.; Laurel, \$2.50 and \$3.00 per doz.
 Send your orders early for your decoration use. Laurel Festooning, 4c., 5c. and 6c. per yd.; made daily fresh from the woods. Boxwood, No. 1 quality, \$8.00 per case, 50 lbs.

CROWL FERN CO., MILLINGTON, MASS.

HARDY CUT FERNS

FANCY and DAGGER, Extra fine, \$1.75 per 1000. BRONZE and GREEN GALAX, \$1.25 per 1000, \$7.50 per 10,000. LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000. SPHAGNUM MOSS, extra large bales, per bale, \$1.25. BOXWOOD, per bunch, 35c.; 50 lbs., \$7.50. FANCY and DAGGER FERN our specialty. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

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 Dagger Ferns, - \$1.00 per 1000
 Fancy " - 1.25 "
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W. J. COWEE, BERLIN, N. Y.
 Samples free. For sale by dealers.
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Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.
McCray Refrigerator Company
 762 Mill St., Kendallville, Ind.
 Mention the Exchange when you write.

THE BEST WAY
 to collect an account is to place it with the
National Florists' Board of Trade
 56 Pine St., New York
WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

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 By Peter Bleisel. Price, postpaid, \$2.50
 A. T. DE LA MARE PTC. & PUB. CO., LTD
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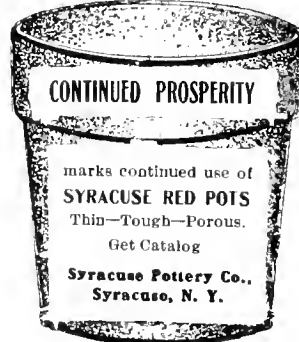


THE WHILLDIN POTTERY COMPANY
 THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
 PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.



Many Florists write us it makes plants grow rapidly, healthily, and luxuriantly with absolutely no harmful effects. It will help you make your business pay. Trial 12 lb. bag 75c. (dealer's price). Send for free booklet: "How to Make Things Grow." Also Special Offer to Florists.

ELLIS-CHALMERS CO., 100 William St., New York



Standard Flower Pots

Packed in small crates easy to handle.		Price per crate.	
600 2 1/2 in. pots in crate, \$4.88	120 7 in. pots in crate, \$4.20	60 8 in. pots in crate, \$3.00	HAND MADE
1500 2 1/2 " " " " 5.25	48 9 in. pots in crate, \$8.00	100 8 " " " " 4.80	24 11 " " " " 3.60
1500 2 1/2 " " " " 6.00	48 10 " " " " 4.80	800 3 1/2 " " " " 4.50	24 12 " " " " 4.80
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800 3 1/2 " " " " 4.50	12 14 " " " " 4.80	820 5 " " " " 4.50	6 16 " " " " 4.50
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Send plans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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DREER'S Florist Specialties.
KEYSTONE CEDAR PLANT TUBS.



Three largest sizes have handles
SPECIAL PAUL TUBS.
 8 inches, 30 3.50 28.00
 11 " " 30 3.50 28.00
 Painted Green.
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SOUTHERN WILD SMILAX
BEAVEN'S FADELESS MOSS
NATURAL SHEET MOSS
E. A. BEAVEN, Evergreen, Ala.

Your Mooney is well spent when you advertise in
THE FLORISTS' EXCHANGE

Kalamazoo, Mich. Trade Jottings.

The present week sees the close of the bedding out plant trade and from what I can learn, this part of our business has held up good and felt but little, if any, effects of hard times. Prices have ruled the same as previous years, geraniums, as usual, being the leaders. These sold out clean at \$1.50 per dozen, in 4-in. pots, which is the standard size for bedding here. Salvias also sold well at \$1.00 per dozen, for 3-inch stock. Cannas, verbenas and foliage plants are not called for so heavily as used to be the case, but the increased call for boxes and hanging baskets, etc., fully made up for any deficiencies of those lines.

Prices on hanging baskets and boxes seemed to me to pay for the material and time besides leaving a fair profit, which is as it should be.

Altogether, this season the plant trade has made a much better showing than the cut flower section. The latter still languishes and the commencements and June weddings combined seem unable to put life into it.

Replanting the rose houses is the principal business now and it appears the old standbys will again be largely grown in this vicinity. The Central Nursery Company will grow their entire stock of carnations inside this year, as the results of trials of last season were satisfactory. Van Bockhove & Bro. are planting 100,000 carnations this season, including large blocks of Enchantress, Lawson, Perfection and Winsor (which has made good here with all who have tried it). Boston Market and Vesper will also be largely planted by the various growers around.

Mr. Thomas has taken over the Riverside greenhouses and is now busily engaged in making extensions and other improvements. S. B.

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 Before giving out your contract get figures from me. I can save you money. Iron or wood construction Hot Red Sash.
 TELEPHONE, 662L-Orange.

SUMMER IN WINTER

BY USING
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 One cut gets our catalog.
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What IT Prevents

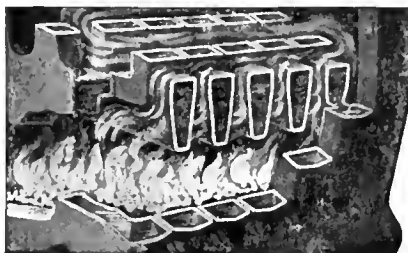
By IT we mean that cross-fire channel with side openings.

First, it prevents diagonal fire travel from front to back.

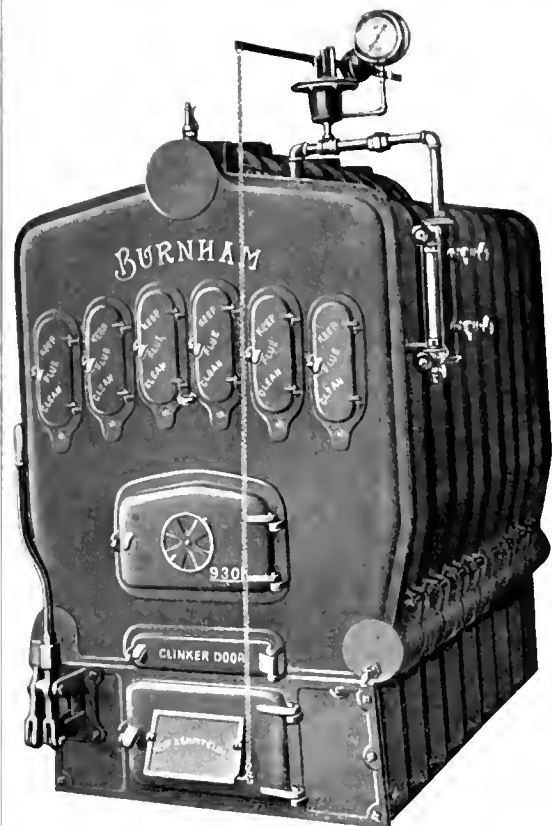
Second, it makes every section equally efficient.

Third, it pockets and extracts a larger amount of heat from the burning gases when the gases are hottest.

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Talks on Greenhouse Material

No. 7

Did you ever go out to look at a horse from a stranger? You are pretty careful about making a deal weren't you? If you had gone to some old friend, or a man that you knew was honest and he made you the right price you would have bought the horse with a feeling that you were getting your money's worth. And if you didn't get what was right, you were pretty sure that it would be made right.

It is about the same kind of a deal when you buy greenhouse material. There are a hundred and one points to be considered and unless you are thoroughly acquainted with greenhouses and an expert judge of cypress you will not know whether you get the right quality of material or not. If you buy from somebody that you don't know, you want to be careful. You can't tell a horse until you give him a trial, and it's just the same with greenhouse material—you've got to use it for a few years to know whether you got value for your money, unless you are an expert. Why not buy from a firm that is recognized everywhere as a fair concern? We will be honest with you. Our cypress expert knows all the defects and they go into the kindling wood pile in place of into the greenhouse.

Our 96-page catalogue shows many views of ranges we have furnished in all parts of the country and tells all about our material. Copy of it will be sent anywhere free, on request. Get one of these catalogues and then let us talk to you about our way of doing business and about the material which we make.

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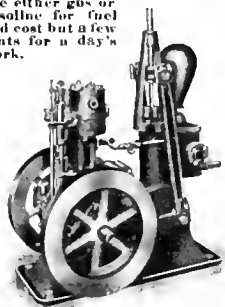
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PEERLESS

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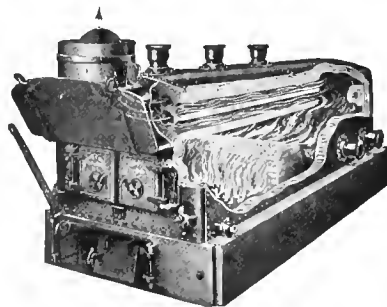
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Hot Bed Sash

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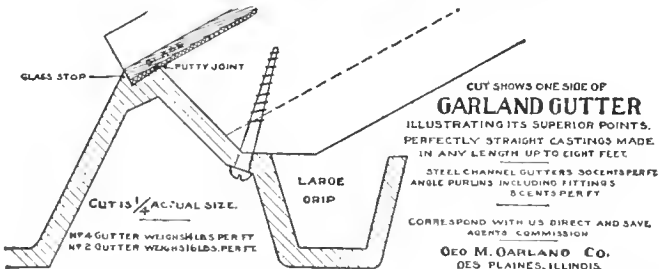
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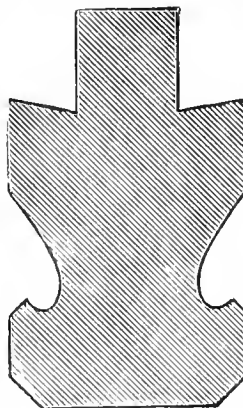
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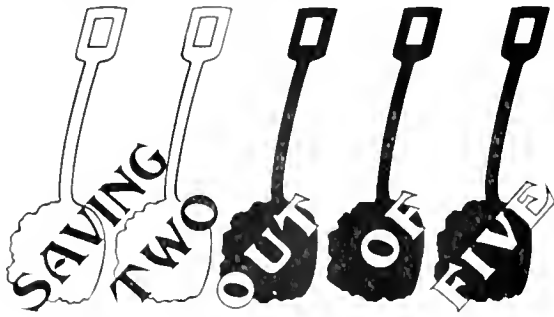
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Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work—large or small.

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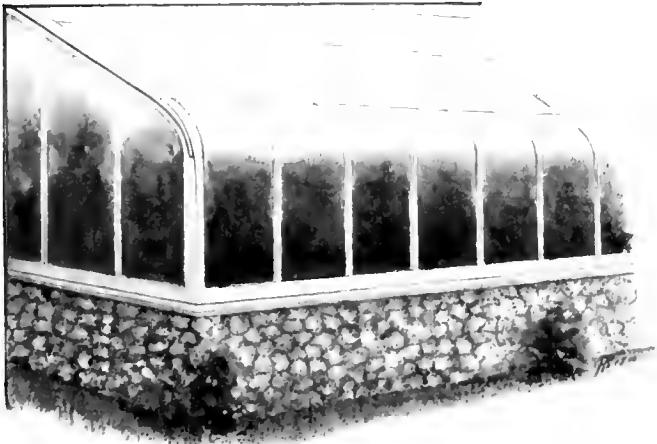
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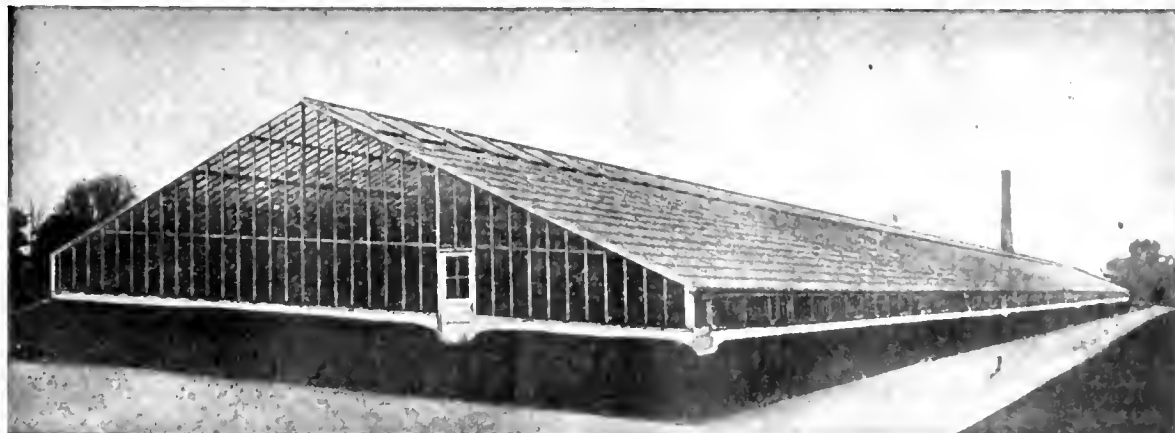


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- 1st. No sash bars encased in iron, thereby eliminating all danger of bars decaying.
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- 4th. **THE MOST IMPORTANT OF THEM ALL.** The very small increase in cost over the ordinary style of construction which makes it possible to be used for commercial as well as private purposes.

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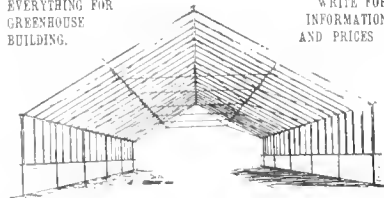
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Plants from 3 in. pots, \$4.00 per 100.
Geraniums, best commercial varieties: Fuchsias, in bud and bloom; Moonvine, the true large flowering white variety; Rose and Peppermint Geranium; Scarlet Sage; Bonfire; Swainsona Alba; Heliotrope, dark blue; Gazania; Lemon Verbena; Alyssum, dwarf; Gazanias, Lobelia, Emperor William; Cupbaas, variegated Ice Plants; Salvia, Bonfire; Ageratum, Princess Pauline, Blue Perfection; Rosemary, variegated Periwinkle, Moschoosma Riparium, Swainsona Alba.
Alternantheras, Coleus, Golden Bedder, Verschaffeltii, Firebrand and Quatricolor, 2 1/2 in. pots, \$2.00 per 100.
Variegated Periwinkle, 4 1/2 in. pots, \$1.50 per doz.; \$10.00 per 100.
Ampelopsis Veitchii, strong, 4 in. pots, \$1.50 per doz.; \$10.00 per 100; 3 in. pots, \$5.00 per 100.
Bouvardias, Single and Double White, Humboldt Single Pink and Scarlet, \$3.00 per 100.
Ivy, Hardy English, 4 in. pots, \$1.50 per doz.; \$10.00 per 100.
Clematis, large flowering varieties, strong, 2 ft. old, \$3.00 per doz.
Clematis Paniculata, 3 in. pots, \$5.00 per 100.
Clematis Montana grandiflora, strong plants, 4 1/2 in. pots, \$1.50 per dozen.
Geraniums best varieties in bud and bloom, 4 in. pots, \$5.00 per 100.
Honeysuckle, Halleans and Red Trumpet, 4 1/2 in. pots, \$1.50 per doz.; \$10.00 per 100.
Begonias, Metallica, 3 in. pots, \$5.00 per 100.
Passiflora Corulea, 3 in. pots, \$5.00 per 100.
Acalypha and Achyranthes Lindenii, 2 1/2 in. pots, \$3.00 per 100.
Seedlings from flats, \$1.00 per 100:
Dracena indivisa and Asparagus Sprengeri.
Euonymus radicans, 3 in. pots, \$3.00 per 100.

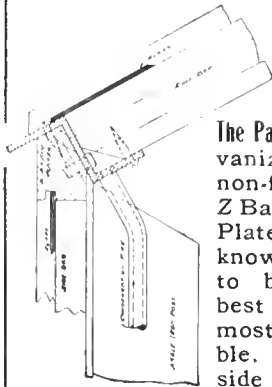
Cash with order, please.

C. EISELE, 11th & Westmoreland Sts., Philadelphia, Pa.

JOHN A. PAYNE

Greenhouse Designer & Builder

260-274 Culver Ave., Jersey City



The Payne Galvanized Iron non-freezing Z Bar Eaves Plate is acknowledged to be the best and the most durable. No inside drip, no sockets to hold moisture around wood bars.

Iron and wood frame greenhouses of every type—material only or erected. LET US ESTIMATE.



Evans Improved Challenge

Roller-bearing, self-oiling device, automatic stop, solid link chain make the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.
QUAKER CITY MACHINE CO
RICHMOND, IND.

Helpful and Interesting.

I have found many helpful and interesting articles in your paper during this first year that I have taken it, and I desire to mention particularly Mr. Joseph Mechan's letters, which I appreciate very much. **BERTRAND H. FARR,** Penna.



This one combination fitting practically does the whole work

BENCH FITTINGS

One of our orders for bench fittings last year was from the U. S. Cut Flower Company. Eighteen houses benched throughout with these fittings.

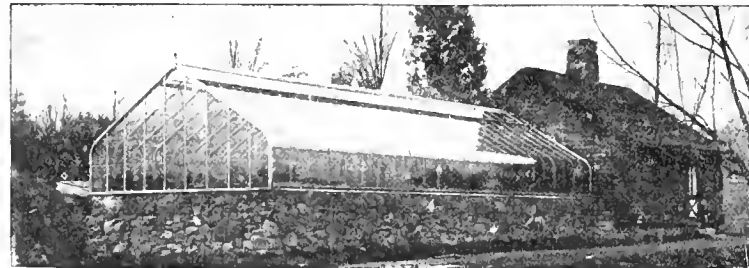
They are easy to erect, make a rigid frame and the fittings can be used over and over again.

Send for Bench Fitting and Wiring Frame Circular.

We make every part of a Greenhouse but the glass. We sell any part.

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FOR LOW COST OF MAINTENANCE

Investigate thoroughly the U-Bar houses. You will find them freest from repairs; also the most productive, lightest, strongest and most durable. Combine these superior points with their attractiveness and simplicity and you have the ideal greenhouse.

The ideal construction for private estates, parks, public institutions and florists' showrooms

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PIERSON DESIGNERS AND BUILDERS



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The Florists' Supply House of America

Kneeling Stools, Arches, Baskets and complete outfits for June weddings.

ITALIAN POTTERY for decorative purposes. METAL DESIGNS, all kinds. IMMORTELES, all colors. WHEAT SHEAVES. CYCAS LEAVES. MAGNOLIA LEAVES and made-up MAGNOLIA WREATHS are good investments.

EVERYTHING IN FLORISTS' SUPPLIES

Our Catalogue is Free.

H. Bayersdorfer & Company

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The book of WATER GARDENING By Peter Bisset
Price, postpaid, \$2.50

A.T. De La Mare Ptg. & Pub. Co., Ltd., 2 to 8 Duane St., New York

FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

VOL. XXV. NO. 26

NEW YORK AND CHICAGO, JUNE 27, 1908

One Dollar Per Year

Lilium Harrisii

WE offer a selected stock of the original true Harrisii for early forcing. These bulbs have been grown from the original pure Harrisii, and will be found to be splendid stock for early forcing, for which purpose Harrisii is so valuable. We have had the stock inspected, and are assured that it is almost absolutely pure and almost entirely free from disease. This is not stock picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

Lilium Harrisii has been deteriorating slowly for years, and in order to get back to the true type of the original Harrisii, we have had our stock grown from the original pure stock, and it will be found very superior to the Lilium Harrisii usually offered. While the stock is A No. 1, our prices are as low as, or lower than, the prices asked for indifferent stock.

We have only a limited quantity of this stock to offer, so it will be advisable to place orders without delay in order to ensure securing this stock.

Bulbs ready for delivery middle to last of July.

6-7 in. bulbs,	350 to the case,	\$ 6.00 per 100,	\$ 50.00 per 1000
7-9 "	200 " "	9.00 " "	\$ 80.00 "
9-11 "	100 " "	18.00 " "	170.00 "

FULL CASE LOTS AT THOUSAND RATES

FREESIA REFRACTA ALBA

BERMUDA-GROWN

Finest selected bulbs, 1/2 in. up, \$1.00 per 100, \$7.50 per 1000

FRENCH-GROWN

Mammoth size, 3/4 in. up, \$1.50 per 100, \$12.00 per 1000

F. R. PIERSON CO.

TARRYTOWN=ON=HUDSON, NEW YORK



EXTRA FINE LARGE PLANTS

of KILLARNEY, RICHMOND, LIBERTY, BRIDE, BRIDESMAID, BON SILENE, SAFRANA, KAISERIN and CARNOT. These plants are grafted low and union is complete. \$120.00 per 1000.

Extra large own root Brides and Bridesmaids \$35.00 and \$50.00 per 1000.

Exceptionally large plants of KAISERIN AUGUSTA VICTORIA which, if planted now would give immediate returns.

W. H. ELLIOTT, Brighton, Mass.

Lilium Harrisii

FOR

EARLY (XMAS) FORCING

5-7 inch, \$40.00 per 1000

6-7 inch, \$60.00 per 1000



Our growers, "Stephens Bros.," write us, under date of May 20th as follows:

"We have this week been looking over our crops and we are very pleased with them, there being little or no mixed stock and no disease."

Now Ready FREESIAS

California Grown

	100	1000
Mammoth, 1/2 in. and up	\$0.50	\$7.00
Choice, 3/4 to 1 in.	65	5.00
First Quality, 1 to 1 1/2 in.	45	3.00

Our Import List of all Forcing Bulbs and Plants is now ready

Write for it

Vaughan's Seed Store

14 Barclay St., NEW YORK

84 Randolph St., CHICAGO

Greenhouses: Western Springs, Ill.

GERANIUMS

Ready for Shipment from 2 in. pots

Standard sorts at \$2.00 per 100 and up. We will send 1000, fifty each of twenty varieties, our selection, for \$18.50, single or double, all good sorts; a splendid collection to stock up on.

Newer Varieties, selected from the finest introductions of 1905-6, at \$6.00 to \$8.00 per 100.

Novelties; one each of fifty varieties, for \$5.00, from 1907 introductions of Bruant, Lemoine, Rozain Bouchardat, Camell and other specialists.

A Cordial Invitation

is extended to all interested in Geraniums to visit us in June, and inspect our new stock houses containing over 60,000 plants, and especially our new show houses; in these there are over 300 varieties in full bloom, a splendid opportunity to compare the newer introductions with the standards, and to select stock for next season. We will make very liberal special prices on all orders booked during June for December delivery. We are at Cowenton, Md., on the B. & O. R. R.; and at Chase, Md., on the Pennsylvania; we meet all trains.

SMILAX

Strong plants, \$2.00 per 100.

COLEUS

GOLDEN BEDDER and VERSCHAFFELTII, 2 in., \$2.00 per 100.

GOLDEN BEDDER and VERSCHAFFELTII, 3 in., \$3.00 per 100.

BEGONIA

VERNON and GRACILIS, 2 in., \$2.00 per 100.

HARDY CHRYSANTHEMUMS

\$2.00 per 100; 500 in 20 varieties, our selection, for \$0.00; 1000 in 20 varieties, our selection, for \$17.50; strong plants from 2 in. pots.

R. VINCENT, JR. & SONS CO.

WHITE MARSH, MARYLAND

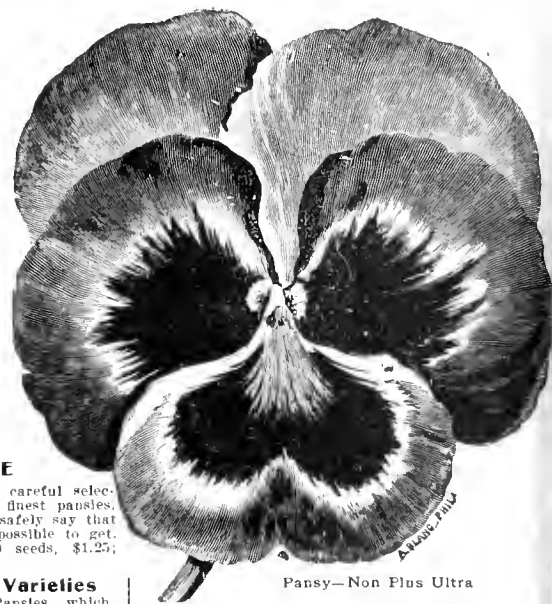
Pansy

Famous Strains of Mammoth Mixed Pansies.

S. & W. Co.'s

NON PLUS ULTRA

Our Non Plus Ultra Pansy is a mixture containing the largest, handsomest, most perfect varieties ever sent out. The beautiful coloring and variety of marking give a bed of these pansies a most brilliant appearance. The seed having been saved from the greatest assortment of types, including only the best of Giant Cassiers, Bugnots, Trimardeaux and Giant English, French and German strains. Finest mixed, per trade pkt., 25c.; per 1/4 oz., \$1.50; per oz., \$5.00.



Pansy—Non Plus Ultra

WORLD'S BEST MIXTURE

This mixture is the result of careful selection, from the very largest and finest pansies, of all the varieties; and we can safely say that a better or finer strain it is impossible to get. Per trade pkt., 50c.; per 1000 seeds, \$1.25; per 5000 seeds, \$5.00.

Very Large Flowering Varieties

These are remarkably large Pansies, which, for size of flowers and robust growth, eclipse all other strains. Their range of color has heretofore been limited, but this season we are able to offer several grand new varieties.

	Tr. pkt. 1/4 oz. oz.	Tr. pkt. 1/4 oz. oz.
S. & W. Co.'s Giant Purple Violet	\$.20	\$.50 \$1.50
S. & W. Co.'s Giant Adonis, light blue	.25	.75 2.50
S. & W. Co.'s Giant Pure Yellow	.20	1.25 4.00
S. & W. Co.'s Giant Azure Blue	.20	.75 2.00
S. & W. Co.'s Giant Emperor William	.20	.75 2.50
S. & W. Co.'s Giant Fire King	.20	1.25 4.00
S. & W. Co.'s Giant King of the Blacks	.20	.75 2.00

	Tr. pkt. 1/4 oz. oz.	Tr. pkt. 1/4 oz. oz.
S. & W. Co.'s Giant Lord Beaconsfield	.20	.75 2.50
S. & W. Co.'s Giant Snowflake	.20	.75 2.50
S. & W. Co.'s Giant White, dark eye	.20	.75 2.00
S. & W. Co.'s Giant Yellow, dark eye	.20	1.00 3.00
S. & W. Co.'s Giant Mixed, Elite Mixture	.10	.50 1.50
English fine mixed, per lb.	\$4.50	.40
Pres. Carnot, white, each petal adorned with a deep violet blotch. Per pkt., 25c.; per 1/4 oz., \$1.75; per oz., \$6.00.		
Masterpiece (Germania), superb new class of botched pansies with large blooms, mostly undulated or curled, fine rich colors. Per pkt., 50c.; per 1/4 oz., \$2.25; per oz., \$8.00.		

STUMPP & WALTER CO.

50 BARCLAY STREET, NEW YORK

RIBBONS

for EVERY DAY, EVERY OCCASION, EVERYWHERE

TAFFETA—SATIN TAFFETA—GAUZE CHIFFONS
Samples Free

The Pine Tree Silk Mills Company

Philadelphia

Salesrooms
806-808-810 ARCH STREET

Asparagus Plumosus Nanus Seed

Fresh 95 per cent. Germination
Reduced on account extra large crop, \$1.50 per 1000. Large lots less.
DRAKE POINT GREENHOUSES, - Yalaha, Florida

ASPARAGUS PLUMOSUS NANUS

per 1000 seeds, \$2.00

ASPARAGUS Sprengeri

per 1000 seeds, 75c.

W. C. BECKERT, NORTH SIDE PITTSBURG, PA.

PANSY SEED

THE JENNINGS STRAIN
New crop, now ready. Large flowering. In great variety of fancy colors. Finest mixed, one packet of 4000 seeds, \$1.00; 1/2 oz., \$2.00; 1 oz., \$4.00. Cash with order.

E. B. JENNINGS, SOUTHPORT, CONN.
Lock Box 254
Grower of the Finest Pansies

BURPEE'S SEEDS

PHILADELPHIA
Blue List of Wholesale Prices mailed only to those who plant for profit.

OLD STORAGE PIPS

CASE LOTS OF 2500, \$32.50

TUBEROSES, 4 to 6, 1000 \$5.00

It's Sterilized Manure

Free from weed seeds and other deleterious matter and stimulates slow vegetation. 100 lb. \$1.50, ton \$22.50.

Rustic Hanging Baskets

	Each	Dozen
10 in bowl	\$1.10	\$11.00
12 "	1.25	13.00
14 "	1.50	16.00

Cane Stakes

4 to 5 feet	\$5.00 per 1000
6 to 9 feet	7.00 per 1000

WM. ELLIOTT & SONS, 42 Vesey Street NEW YORK

RAWSON'S Arlington Prize Pansy

This is the cream of all pansies and we are not afraid to claim superiority over any other strain. The colors of this strain are superb, the flowers large and the plants robust. There is hardly a pansy alike and for this reason it should prove valuable for either show or commercial purposes.

1/8 ounce, \$1.25; 1 ounce, \$8.00

RAWSON'S SEEDS ALWAYS GERMINATE

W. W. RAWSON & COMPANY

5 UNION STREET

BOSTON, MASS.



SWEET PEAS For Thanksgiving and Christmas

	Oz.	1-4 lb.	1-2 lb.	1 lb.
Boddington's Christmas White	\$.10	\$0.40	\$0.80	\$1.00
" Pink	.10	.40	.60	1.00
" Snowbird, the earliest forcing white	.20	.75	1.25	2.00
FLORENCE DENZER (pure white)	.10	.40	.60	1.00
WATCHUNG (pure white)	.20	.75	1.25	2.00

Also other varieties at advertised prices.

All the above mailed free

PANSY—BODDINGTON'S "CHALLENGE"

This mixture contains all the finest giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined and the Giant blotched—all carefully mixed in proportion. Trade pkt. 75c., 1/4 oz. \$1.50, 1/2 oz. \$2.75, oz. \$5.00.

ARTHUR T. BODDINGTON, Seedsman - 342 West 14th St., New York City

You do not know what a GOOD CROP OF MUSHROOMS

is before you have tried my Spawn. Be sure to try my Spawn this season. Write me and I will send you free of charge valuable information on the subject. FRESH SUPPLY OF SPAWN EVERY MONTH.

KNUD GUNDESTRUP Mushroom Specialist, 4273 Milwaukee Ave., CHICAGO

Thorburn's Bulbs

Lilium Harrisii

5-7 Inches \$4.50 per 100; \$40.00 per 1000
7-9 " 8.50 " 80.00 "

Send for advance prices on Holland Bulbs, Japan Lilies and Roman Hyacinths.

Asparagus plumosus robustus, \$2.00 per 1000 seeds

PANSY, CARNATION, DAISY, and all other seeds for florists

Cold Storage Lily of the Valley Pips

J. M. THORBURN & CO.

33 Barclay St., through to 38 Park Place, New York. Everything of the highest grade.

PRIMROSE SEED

IMPROVED CHINESE

Finest grown large flowering, fringed, single and double, 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c. Have the varieties separate, also.

PRIMULA OBCONICA GRAND. New large-flowering var., mixed, extra fine hybrids, fringed, 1000 seeds, 50c.

CINERARIA Finest large-flowering dwarf, mixed, 1000 seeds, 50c.

GIANT PANSY The best large flowering varieties, critically selected 5000 seeds, \$1.00, half pkt., 50c. 500 seeds of Giant Mm. Perret pansy seed added to every \$1.00 pkt. of Giant Pansy. Cash. Liberal extra count.

JOHN F. RUPP, Shiremanstown, Pa. THE HOME OF PRIMROSES

PRICE LIST of my

WINTER FLOWERING SWEET PEAS

will be out in June. If you have never grown my sweet peas, send for it. My old customers will get it without asking. New crop seed will be ready in August next.

ANTON C. ZVOLANEK, Eoundbrook, N. J.

JOHNSON'S PRIZE WINNER PANSIES

From The World's Famous Growers. These superb giant Pansies are veritable Prize Winners wherever exhibited. Their extraordinary size, vigorous compact habit, long still stems, heavy texture, wide range of magnificent colors, and distinctive markings have made them famous with the most critical Pansy Growers of the United States and Canada. We offer seed of this unsurpassed strain as follows: 1000 seeds 30c., 2000 seeds 50c., 5000 seeds \$1.00; 1/2 oz. \$1.25; per oz. \$5.00. Our complete Pansy List is ready and will be mailed on request.

JOHNSON SEED COMPANY. = = 217 Market St., Philadelphia, Pa.

ROSES

In Variety, 2, 4, 5 and 7 in pots in extra fine condition. Write for particulars.

The Elizabeth Nursery Co.
ELIZABETH, N. J.

W. & D.'S SPECIALTIES FOR 1908

Tomato, "The Don," best for forcing; Cauliflower, First and Best; Onion, Allco; Craig; Lettuce, "Ideal," unequalled for indoor purpose; Mushroom Spawn, English and Pure Culture; Mignonette, N. Y. Market. New Catalogue now ready. Free on application.

WEEBER & DON, "SEED MERCHANTS" AND GROWERS
114 Chambers St., NEW YORK

Seed Trade Report

AMERICAN SEED TRADE ASSOCIATION

George S. Green, Chicago, Ill., president; M. H. Duryea, New York, first vice-president; F. W. Bolgiauo, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary and treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

THE COMMITTEE ON SEEDS.—With reference to the duties of the Committee on Seeds of the New York Produce Exchange, we are informed that the main object of the committee is the establishing of standard grades of different seeds each season, which are traded on for the ensuing year.

European Notes.

While good rains have fallen in central France and Auvergne and in England generally, many districts, particularly in southern Europe, report destructive winds and persistent drought. In northern Italy crops which were full of promise 15 days ago are looking as if a fire had ravaged the district, and this for many miles. In Provence the same thing has happened during the early days of the present week and the destruction is terrible to see. In one respect it is fortunate that the crops are so few, for the mistral, added to the long continued drought, and the prevalent excessive heat are sufficient to destroy every green thing. Onion, leek and carrot have suffered most. Flower seeds are not yet fully developed. C. Griffith of Baltimore is in London. L. W. Bowen, after a sojourn in Italy, has reached Paris.

EUROPEAN SEEDS.

Seed Trade Notes.

For the last weeks of June, trade, in all branches of the seed business, is well up to a good average. The small retail cash counter sales are holding out well, and this branch of the orders being so satisfactory helps general conditions very materially. Peas and beans for the last planting, as well as squash, cucumber, melon, and all vine seeds, besides mangel-wurzels, turnips, carrots, etc., make up a very good volume of business in both a retail and wholesale way. There is a very much better feeling among the seedsmen and their customers, as well, than there was a year ago at this time, for the adequate reason that crops, while somewhat irregular in some sections, are on the whole in very much better shape than was then the case, and while it is even yet too soon to be sure of final results, indications at present do certainly point toward large yields of agricultural products.

As regards seed crops returns, the reports coming to hand the past week are still somewhat conflicting; so it will perhaps be more conservative to wait a little longer before trying to make estimates. Certainly, the warm weather of the past week has helped the growing crop of sweet corn very materially, and if we can once more have a crop of seed corn large enough to hold prices down to the normal, every branch of the seed trade will be wonderfully benefited. Corn, to mature properly, needs warm nights as well as hot days, so it can be truly said that present conditions are ideal for this most important crop.

There would seem to be a difference of opinion as regards the magnitude of the coming season's bulb trade. The prices at which cut bulb stock was sold

HALF MILLION CALLA BULBS



Calla Ethiopica Bulbs	Circumference	Per 1000
" "	7 to 8 inch	\$80.00
" "	6 to 7 inch	65.00
" "	5 to 6 inch	40.00
" "	4 to 5 inch	25.00

250 at 1000 rates. Packed in slatted crates.

Liberal count. Safe Arrival Guaranteed. I prepay freight at above prices, to your city, when check is sent with order.

NEW CALLA, Pearl of Stuttgart. Introduced in Germany six years ago. It is the finest pot calla in the world, growing 12 to 16 inches high. A profusion of bloom all winter. Can be grown in a 4 in. pot, as the Bulbs are never larger than one inch diameter. Nice 2 year old bulbs, \$5.00 per 100.

NARCISSUS Alba Grandiflora, 6 to 8 in. circumference, \$9.00 per 1000.

FREESIA Refracta Alba, Mammoth bulbs only, \$9.00 per 1000.

A. MITTING, 17 to 23 Keenan St., Santa Cruz, Cal.

COLD STORAGE LILIES

COLD STORAGE LILIES, mean that you can have Lilies all the year round. What are more useful, or give more character to the funeral piece than the Lily?

We have, and can deliver at any time cold storage Lilies, and can refer you to hundreds that are growing them. Why not you?

LILIUM LONGIFLORUM GIGANTEUM is the only longiflorum that gives satisfaction from cold storage. We offer them as follows:

LILIUM LONGIFLORUM GIGANTEUM (re-packed).

6 to 8 inch bulbs, 400 in a case, \$8.50 per 100; \$75.00 per 1000; case of 400 for \$30.00.

7 to 9 inch bulbs, 300 to a case, \$9.00 per 100; \$85.00 per 1000; \$25.50 per case of 300.

9 to 10 inch bulbs, 200 to a case, \$14.00 per 100; \$130.00 per 1000; \$26.00 per case of 200.

ARTHUR T. BODDINGTON, Seedsman
342 WEST 14th STREET NEW YORK CITY

COLD STORAGE GIGANTEUM

Six to eight inch, 400 to case; six to eight inch mudballed, 300 to case. Case lots at 1000 rates. Prices on application.

AMERICAN ROSE CO., Washington, D. C.

Established 1900 POAT BROS.

(Formerly of Elricks, Va.)

BULB GROWERS
HIGHLAND PARK
RICHMOND, VA.

NARCISSUS, TULIPS, IRIS
PAEONIES, CROCUS

SEND FOR CATALOGUE

When You Buy Bulbs, Why Not Get Our GOLD MEDAL BULBS

They are the best that money can buy. We are always ready to quote you specially on your requirements.

Remember that we grow more bulbs than all other growers in the State put together. Send for Price List.

HUBERT BULB CO., Portsmouth, Va.

Gold Medalists, Jamestown, 1907.

Address all replies to
GENERAL AGENTS
HUBERT BULB CO., Lowenbergh Building,
Main St., Norfolk, Va.

PANSIES

FRESH SEED JUST ARRIVED.

We can supply all the leading strains. Our Florists' List Mailed Free.

H. E. FISKE SEED CO.,
13 Faneuil Hall Sq., BOSTON, MASS.

CHOICE PANSY SEEDS A SPECIALTY

Giant Pansy, Excelsior Strain mixture of the most beautiful and newest giant flowering kinds. Oz. \$3.00. Postage paid. Cash with order.

Ask for price list and testimonials received from American nurserymen.

V. FROMHOLD & CO., Pansy Seed Growers
Naumburg Seale, Prov. Saxony, GERMANY

Our Specialty

In the Fall will be

HOME GROWN LILIUMS,
GERMAN and JAPAN IRIS.

When in the market let us quote you prices.

JOHN LEWIS CHILDS, Floral Park N. Y.

The book of WATER GARDENING

By Peter Blaszel. Price, postpaid, \$2.50
A. T. DELA MARE PTG. & PUB. CO., LTD
2 to 8 Duane Street, New York

JAPAN RAMBOO STAKES. For Chrysanthemums, Lilies, Gladiolus, etc. Durable, strong, 6 feet long, about 3-8 in. diameter, 65c. per 100; \$5.00 per 1000; \$9.00 per 2000.

ASPARAGUS Plumosa Nanus seed, true, 50c. per 100; \$3.00 per 1000; \$5.00 per 2000.

ASPARAGUS Sprengeri Seed, true, 15c. per 100; 75c. per 1000; \$1.25 per 2000.

NEW PURE WHITE FREESIA "SNOW-DRIFT." Absolutely pure white flowers; stems, strong, bearing a profusion of large, milk-white blossoms; early forcer.

100 1000
Select flowering bulbs \$1.25 \$10.00
First size bulbs 1.70 15.00
Mammoth bulbs, doz., 50c. 2.00

H. H. BERGER & COMPANY
70 Warren St., NEW YORK CITY

Flower & Vegetable SEEDS

The Best Kinds for Market, Gardeners and Florists

Aster Seed, all the leading varieties.

Tuberose, Dwarf Pearl, 75c. per 100, \$7.00 per 1000.

Dahlias, all the leading sorts.

Roses, Lilies, Cannas, Geraniums, Artichokes.

JAMES VICK'S SONS
SEEDSMEN
ROCHESTER, N. Y.

FISCHER'S Grand Freesia Purity

A magnificent giant white FREESIA, when once tried, will always be grown. Write for prices. Delivery in July.

RUDOLPH FISCHER
SANTA ANITA, CAL.

—Established 1824—

Bridgeman's Seed Warehouse
RICKARDS BROS., Props.
Importers and Growers of High Grade
Seeds, Bulbs, Plants, Etc.
37 EAST 19th ST., Near Broadway,
Tel. 4235 Gramercy NEW YORK CITY

MUSHROOM SPAWN

made "Direct from Spores" of Selected Mushrooms
Nature's only way of producing Spawn.
If your Seedsmen cannot supply you write direct to us for pamphlet.

ANGLO-AMERICAN SPAWN CO.
Kennett Sq., Pa.

FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best Mushroom Spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a small trial bed, together with large illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c. in postage stamps. Address American Spawn Company, St. Paul, Minn.

"STOKES' STANDARD" PANSY SEED

Stokes' Standard Mixed Pansy is the finest strain of Giant Pansies it is possible to produce. It is a blend of all that is finest in Pansies from France, England and Germany. It is absolutely unrivaled in range of magnificent colors, size and substance.

Kingly Collection of Giant Pansies Mixed. A most excellent strain, the same as has been sold for years by the late firm of Johnson & Stokes and has given great satisfaction.

Trade pkt., (2000 seeds) 50c.; 1/2 oz. 85c.; 1 oz. \$3.25; 1 lb. \$6.00; 1 lb. \$20.00.

Price, 1/2 trade pkt., 30c.; trade pkt., (2000 seeds), 50c.; 1000 seeds, \$1.00; per oz. \$5.00; per 1 lb. \$14.00.

SEND FOR SPECIAL PANSY CIRCULAR
FRENCH AND DUTCH BULBS in Season. GET PRICES

Stokes Seed Store

219 MARKET STREET, PHILADELPHIA, PA.

last season certainly averaged much below adequate profit; but not perhaps more so than various conditions have forced in past years at times. Surely, in a retail way, all varieties of Dutch bulbs are selling more and more largely, with each returning bulb planting season.

Philadelphia.

Current Notes and News.

Myers & Samtman, American Beauty specialists, are devoting two new houses in addition to the old house to the growing of their new rose Wyndmoor, which is a cross from the American Beauty and Safrano, giving it the distinction of being the only seedling rose with American Beauty parentage and the prolific blooming qualities of the Safrano. This rose seems to bear all the year round. From one house they cut over 6,000 buds last Christmas and during the month of May they secured 10,000 buds and expect to increase that figure in June. This new rose was exhibited in Chicago at the American Rose Society meeting in March and was awarded two silver cups and a certificate. Messrs. Myers & Samtman are tearing out their houses containing other roses than Wyndmoor, as cuts have ceased for the summer. Mr. Myers says that the florists' business is holding its own much better than some others, and that they did almost as well as in former years; they are very well satisfied with their business. They had a larger crop than ever before, although the total sales did not equal former years.

Henry Sonneborn, Jr., Germantown avenue, has had a fairly busy season. He sells a quantity of plants for decorative purposes and is also getting some good business in design and cut flowers. This store is tastefully decorated with ferns, cut stock and novelty boxes.

T. N. Yates & Company, Germantown avenue, reports business in bulb stock and bedding plants equally as good as that enjoyed last season, and that orders are still coming in for regular nursery stock.

Richard Umfred of S. S. Pennock-Meehan leaves Baltimore to-day on the steamship Maine to spend some time in Ireland.

S. S. Pennock-Meehan received their first shipment of asters Tuesday, and the stock was very good.

Rupert Kjenle, So. 17th street, is doing a fair business and getting some funeral work; he considers business as good as can be expected at this time.

Robert A. Stewart, Jr., of Downingtown, Pa., was in town Tuesday looking after some trade interests concerning his hardy Daggier and fancy forms.

B. Stahl, So. Eleventh street, is having considerable trade in Beauties, sweet peas and cornflower, and is getting his share of the local business.

Robert Kift, Chestnut street, reports fair business and is making plans to remodel and beautify his store and will put in a new ice box having larger capacity than the present one. The window display in this store is very attractive; it consists of water lilies in window-pan and makes a natural-looking pond with all the usual frogs, turtles and fish.

Wm. C. Smith, located at 61st and Market streets, reports an excellent business in seashore trade. He expects that some new forms will be in good shape before long, and he will then have no trouble in filling the orders coming in all the time.

Philadelphia Cut Flower Company, Sansom street, is showing some of the first cosmos to be seen in the wholesale houses and the stock in very good condition. The out-of-town business is of good size and some big orders are being received daily.

Edward Reid has a fine display of K. A. Victoria, valley and Harrisii of Eastern growth, and reports good business in out-of-town trade.

Leo Niessen Company are now among the early closers and orders must now come in early to receive attention the same day.

Mr. Dunn of the Philadelphia Floral Store, Chestnut street, reports good business in design and wedding work.

Thos. Meehan & Sons, Inc., Germantown, report fair business in potted plants, such as vines and roses and potted evergreens. At this time the entire inside force is busily engaged in assisting the regular force in annual stock taking. Mr. Joseph Meehan says they are doing something all the time and thinks the florist should put in some stock of shrubs which are going very well at this, the usual dull time for the florist.

W. E. McKissick reports good business in candytuft, feverfew and white pea; the demand for white stock still holds good.

A. E. Biester, Susquehanna avenue, is using crutches because of a painful leg, caused by being kicked by a new horse of Western breed.

Albert Rieder of Wm. H. Rieder & Bro., Susquehanna avenue, is very sick with appendicitis; he was stricken at the station, as he was about to take a train out of the city last Sunday, and had to be taken home in a cab. An operation will be performed.

Chas. E. Meehan, Musgrove and Slocum street, Germantown, is busily engaged in setting out chrysanthemum plants and repairing some of his greenhouses. Some fine green stock is to be seen at this place.

Robert Craig, 49th and Market streets, is making big preparations in expectation of good business the coming Fall and Winter. He is doing considerable shipping to distant points. He is also repairing and putting in shape some of his numerous houses. P. M. R.

Rochester, N. Y.

Trade Notes.

The flower market here has been fairly good for the past week, but on account of lack of good material, prices have not been steady. Owing to the many graduation exercises, and quite a number of small weddings, a great deal of cut material was used, there being fair demand for asparagus, cut strings, Beauty and other roses and sweet peas. Usually, the first crop of sweet peas has brought good money, but this year prices were flat, with no prospect for any advance, in spite of the good flowers being shipped in.

Taking the season all through, the plant and bedding trade was good, everyone apparently being cleared out, especially of S. A. Nutt geranium. Caladiums are left over in quantity, there being not much demand for them this season.

The iris grounds of J. B. Keller Sons were a wonderful sight this Spring, owing to the coming into bloom of a large block of freshly imported and selected varieties, the cut sprays of which sold readily for table and other uses.

COCKNEY.

MARKET PRICES

Subject to Variations—Wire Quotations Promptly Given
COW PEAS, CRIMSON CLOVER, MILLET, TIMOTHY, ALFALFA, ETC.

COW PEAS, ETC.		RED TOP		BLUE GRASS	
Fancy Re-cleaned Stock		Price per lb.		Price per bu.	
Mixed	2.00	Unballed	.40	Canadian	1.25
Black Choice	2.35	Fancy Re-cleaned 'A'	.80	Fancy Kentucky	2.25
Black Eye	2.35	Fancy Re-cleaned 'B'	.80	Export Fancy Ky.	2.35
Whippoorwill	2.25	Fancy Re-cleaned 'A'	.90	Price per lb.	
Shinney	2.25	BIRD SEED		Dwarf Essex Rape	.50
Gray Crowders	2.20	Hemp	.25	Hairy Vetch Wilkes	.50
Soja Beans	2.10	Canary	.25	Spring Vetch Salina	.25
Fancy Canada Field	1.35	Sunflower	.25	Kaffir Corn per 100 lbs.	\$1.75
NATURAL GRASSES		White Bird Millet		RED CLOVER	
Price per lb.		German Bird Rape		"Brass" Prime	
Tall Meadow Oat Gr.	.13c	Vetches		"Copper" St'ly Prime	
Red Fescue	.7c	TIMOTHY		"Silver" Choice	
Sheep Fescue	.7c	"Copper" Strictly Prime		Fancy	
Hard Fescue	.7c	"Silver" Choice		"Gold" Fancy	
Perennial	.45c	"Gold" Fancy		Saiting or Mammoth Clover	
Italian	.45c	CRIMSON CLOVER		Equal Grades Same Prices.	
"Gold" Fancy		ORCHARD GRASS		ALFALFA CLOVER	
Price per bu.		Price per bu.		"Brass" Prime	
German Prime	\$1.65	"Brass" Prime		"Silver" Choice	
German Choice	1.15	"Silver" Choice		"Gold" Fancy	
German Fancy Southern	1.25	"Gold" Fancy		"Silver" Choice	
MILLET		"Brass" Prime		"Gold" Fancy	
German Prime	1.15	"Silver" Choice		"Brass" Prime	
German Choice	1.15	"Silver" Choice		"Silver" Choice	
German Fancy Southern	1.25	"Gold" Fancy		"Gold" Fancy	

POULTRY AND CHICK FOODS, ETC.

BOLGIANO'S "SQUARE-DEAL" CHICK STARTER		BOLGIANO'S "SQUARE-DEAL" CHICK FOOD		CRUSHED OYSTER SHELLS	
10 lb.	.25c	Per 100 lb. Sack	1.70	Per 100 lb. Sack	.50c
25 lb.	.60c	10 Sack Lot	1.45	10 Sack Lot	.45c
50 lb.	\$1.00	20 Sack Lot	1.40	20 Sack Lot	.40c
BOLGIANO'S "SQUARE-DEAL" POULTRY FOOD		Price per 100 lbs.		CHINA NEST EGGS	
100 lb.	1.85	Per 100 lb. Sack	1.65	19c per doz., \$1.00 half gross, \$1.85 a gross.	
10 Sack Lot	1.80	10 Sack Lots	1.55		
20 Sack Lot	1.75	20 Sack Lots	1.50		

J. BOLGIANO & SON

FOUNDED IN 1818

BALTIMORE, MD.

PANSY SEED

BROWN'S extra select superb GIANT PRIZE PANSIES awarded Silver Medal, St. Louis Exposition, 1904



It is a well-known fact that my superior strain of PANSIES is the finest in the market and has won prizes wherever exhibited. Flowers are from three to four inches in diameter. In beauty they are unsurpassable and in color they are incomparable.

My own grown seed, new 1908 crop ready. Your own selection, light or dark mixture:

3,000 Seeds	\$ 1.00
1-4 ounce	1.50
1-2 ounce	2.50
1 ounce	5.00
1-4 pound	14.00
1-2 pound	25.00
1 pound	50.00

Plants ready September 1

Cash With Order

PETER BROWN PANSY SEED GROWER

124 Ruby St.

LANCASTER, PA.

DENVER, COL.—A lively hailstorm struck Denver on the 15th inst. The following florists suffered more or less loss: Mrs. R. Mauff, C. J. Davis, Geo. H. Borensheir, The Park Floral Company, Colfax Avenue Floral Company, Mrs. Binsmore, J. D. Watts & Son, D. A. Grimes, Ellitch-Long Greenhouses, and Ben Boldt. All were insured except the Ellitch-Long Greenhouses and those of Ben Boldt.

WATERLOO, IA.—The following officers have been elected by the Waterloo Nursery Company: President, P. C. Schmidt, Cedar Falls; secretary, C. H. Dietrich; treasurer, F. F. Knapp. Walter Brown and F. E. Hunter will comprise the board of directors together with the above named officers. The new firm will soon be ready for operation, and will both wholesale and retail nursery stock.

FERNS MY SPECIALTY

Million and a half of Fern Seedlings, in fine condition, now ready for potting. Assortment of 15 best varieties, for jardiniere fitting, \$1.00 per 100; \$8.50 per 1000; if by mail, add 10c. per 100 for postage. Can be shipped any distance without injury.

ADIANTUM CUNEATUM, best Maidenhair fern, for cut fronds, strong seedlings, \$1.25 per 100; \$11.00 per 1000. (Postage as above); 2 1/2 in., \$3.50 per 100; \$30.00 per 1000; 4 in., \$11.00 per 100.

ADIANTUM FARLEYENSE, fine stock, from 2 in. pots, \$1.30 per doz.; \$10.00 per 100; 3 in. pots, \$2.50 per doz.; \$20.00 per 100.

ADIANTUM REGINA and RHODOPHYLLUM, 2 1/2 in., 75c. per doz.; \$7.00 per 100.

ASSORTED FERNS for JARDINIERS, healthy and bushy, none better, in ten best varieties, from 2 1/2 in. pots, \$2.50 per 100; \$23.00 per 1000.

CIBOTIUM SCHIEDEI, 3 in., \$3.50 per doz.; \$25.00 per 100.

ASPARAGUS PLUMOSUS NANUS, healthy, field grown, 2 1/2 in. stock, \$3.00 per 100; \$25.00 per 1000.

FERN SPORES, gathered from my own stock, guaranteed fresh and true to name, in 24 good commercial varieties, 30c. per packet; \$3.00 per doz.

J. F. ANDERSON, SHORT HILLS, N.J.

Bargain Ferns

2000 Pteris Wimsettii, Cretica Albolineata, etc., 2 in. pots, good stock to shift into 3 and 4 in. pots, 2c.

SWEET LAVENDER

Extra strong plants, 2 in. pots, 2 year old, 5c., 3 1/2 and 4 in. pots, 8c. and 10c.

Geraniums, 3 in. pots, fancy varieties, E. H. Trego, Berthe de Presilly, etc., 6c.; Rose Geraniums, 3 in., 5c.

Mountain of Snow, fine plants; 3 in., 6c.

Salvia Zurich, 2 1/2 and 3 in., in full bloom, 4c. and 6c.

R. G. HANFORD NORWALK, CONN.

FINE FERNS FOR JARDINIERS

Very bushy and in best varieties. Liberal count on all orders. 2 1/2 in. pots, \$3.00 per 100, \$25.00 per 1000.

Asparagus Plumosus Nanus, 3 1/2 in. pots, \$3.50 per 100, \$30.00 per 1000.

Thomas P. Christensen, SHORT HILLS, N. J.

FERNS IN FLATS

All the leading varieties, 110 clumps in a flat, can be divided. Ready July 1. Prices and terms on application.

EMIL LEULY 528 Summit Avenue W. Hoboken, N. J.

NEPHROLEPIS

WHITMANI, 3 1/2 in. \$5.00 per 100; 1 1/2 in. \$25.00 per 100.

FERNS, Boston, 2 1/2 in. \$3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

Nephrolepis Amerpohli

Philadelphia Lace Fern \$12.00 per 100; \$100.00 per 1000

WILLIAM P. CRAIG 1305 Filbert St., PHILADELPHIA

FERNS

For Jardiniers, strong healthy plants, 2 1/2 in. pots, \$3.00 per 100; \$25.00 per 1000; 500 at 1000 rate. 3 in. \$8.00 per 100; 4 in. \$12.00 per 100.

FRANK N. ESKESEN, Main Street, Madison, N. J.

Commercial Violet Culture

PRICE, \$1.50 The FLORISTS EXCHANGE, 2-Duane St. New York

A FEW GOOD THINGS YOU WANT

Cash with order. Asparagus Plumosus, 2 in., \$3.00 per 100, 3 in., \$5.00 per 100. Asparagus Sprengeri, 2 in., \$2.50 per 100; 3 in., \$3.40 per 100. ASPARAGUS SPRENGERI SEEDLINGS, \$1.00 per 100. Dracaena indivisa, 2 in., \$3.00 per 100; 3 in., \$5.00 per 100. FERNs, Scottii, 5 in., 30c. each. GERANIUMS, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., \$1.25 per 100. Pot plants, 2 in., \$2.00; 3 in., \$4.00 per 100. Trego, Castellano, Viaud, Jaulin, Poltevio, R. C. \$1.50 per 100; Pot plants, 2 in., \$2.50; 3 in., \$5.00 per 100. Mme. Salleroni, 2 in., \$3.00 per 100. VINCA VAR., 2 in. \$2.00 per 100. Cash with order; no C. O. D. All shipments at the risk of purchaser after being delivered to Express Co.'s properly packed in good order. GLADIOLUS BULBS, mostly light colors, \$1.00 per 100. REX BEGONIAS, 2 in. \$5.00 per 100. COLEUS: COAR PLANT; VERBENA; HELIOTROPE; SCARLET SAOE, Bonfire; 2 in. pots, \$2.00 per 100. GEO. M. EMMANS, NEWTON, N. J.

Asparagus

Sprengeri, very strong, 3 in., ready for 6 in., before repotting, \$5.00 per 100.

ASPARAGUS, Plumosus Nanus, 4 in., \$8.00 per 100.

ASTERS, Queen of the Market and Semple's, 5 colors each; by mail 20c. per 100, by express, \$1.50 per 1000.

SINGLE HOLLYHOCKS, fine strains, at strong, \$2.00 per 100.

Cash with order, please.

GEO. J. HUGHES Berlin, N. J.

100,000 SMILAX Extra fine, well hardened stock, a bargain at \$1.50 per 100; \$15.00 per 1000.

25,000 SPRENGERI From rose pots, at \$1.50 per 100; \$15.00 per 1000.

DEFLEXUS Small, \$3.50 per 100; 4 in., \$7.00 per 100.

GERANIUMS Orders booked for Rooted Cuttings, Fall delivery. Nutt, Buchner and Perkins, \$10.00 per 1000; Ricard, Poltevio, Castellano and Viaud, \$12.50 per 1000. ALBERT M. HERR, Lancaster, Pa.

ASPARAGUS Plumosus and Sprengeri, strong plants, 2 in., \$2.25 per 100.

ENGLISH IVY, 2 and 2 1/2 in. pots, strong, \$2.00; R. C., 75c. per 100.

GERANIUMS, double red, \$1.75 per 100.

ARAUCARIAS, 20 in., four tiers, \$1.00.

CANNAS, two eyes, Duke of Marlborough, Chas. Henderson, David Harum, Italia, America, \$2.00 per 100.

J. H. DANN & SON, Westfield, N. Y.

ASPARAGUS, BOSTONS Plumosus Nanus, 2 1/2 in., \$4.50 per 100, \$40.00 per 1000; 3 in., 7c.; 3 1/2 in., 10c.; 4 in., 12c.; 5 in., 20c.; 6 in., 30c. Comoroasia, 2 1/2 in., 4c.; 3 1/2 in., 10c. Sprengeri, 2 1/2 in., 4c.; 3 1/2 in., 8c.; 4 in., 10c.

Bostons, 2 1/2 in., 4c.; 3 in., 8c.

Phones: Bell, Forest 145. Knaploch, Delmar 474 L. Greenhouses at Clayton, Mo.

J. W. DUNFORD Kings Highway and Page Bldg., St. Louis, Mo.

Success with House Plants BY LIZZIE PAGE HILLHOUSE.

A complete text-book and guide to the care, cultivation and propagation of all plants in the garden and the home.

The volume is written by a woman for women, in plain, concise language, easily understood, and the book has the special merit of giving directions which can be readily followed, the methods prescribed being of the simplest, and the material suggested to be used easily within reach of all.

12mo., 232 pp.; profusely illustrated, with complete and ready reference index to all plants enumerated. Price, Cloth, \$1.00; Paper, 50 cents.

To Retail Florists. The old thought, that it was dangerous for a customer to know much about the care of plants, has passed away, being superseded by the newer and more intelligent one, viz.: that the more successful a customer is with plants, the greater quantity will he or she buy.

We offer Special Inducements to all who wish to handle this book. It is a good seller.

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CYCLAMEN

SPLENDENS GIGANTEUM HYBRIDS Finest strain in the world, well grown plants, from 3 in. pots, \$7.00 per 100; \$65.00 per 1000.

Primula Obconica Grandiflora

Ronsdorfer and Lattmaus Hybrids, no finer strain, from 2 1/2 in. pots, \$3.00 per 100. Primula Chinensis Fimbriata (fringed Primulas) all colors, \$3.00 per 100.

PAUL MADER, East Stroudsburg, Pa.

\$1.50 per 100; 2 in. pots

SWAINSONA Alba, COLEUS, FEVERFEW, double white; SWEET ALYSSUM, single; SHASTA DAISY, SMILAX, CELESTIAL PEPPERS, THUNDERBIA, IVY, ROSE, VIAUD, NUTT, BUCHNER, DOUBLE GRANT, GENERAL GRANT; etc., all in 2 in. pots.

ASTERS, four colors, Semple's, \$2.50 per 1000 R. C. prepaid per 100—VINCA Variegata, 90c.; COLEUS, 60c.; ALTERNANTHERAS, 50c. Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

COLEUS

C. Verschaffeltii, Golden Bedder and 15 others, 2 in. pots, \$1.50 per 100. AGERATUM Gurney, 2 in., \$1.50 per 100. HELIOTROPE, dark, 3 in., \$3.00 per 100. ASTERS, Semple's, 2 in., \$1.00 per 100. ASPARAGUS Plumosus and Sprengeri, 4 in., \$5.00 per 100. Cash with order.

ERNEST HARRIS, Delanson, N. Y.

Gardenia Veitchii

Clean, healthy stock in 24 in., 3 in. and 5 in. pots, in any quantity.

JOHN SCOTT, Rutland Rd., & E. 46th St. BROOKLYN, N. Y.

Smilax

Good, strong plants, 24 in. pots, \$2.00 per 100 \$18.00 per 1000. Cash with order.

A. V. D. SNYDER, Ridgewood, N. J.

SMILAX PLANTS

Strong, bushy plants, from 2 in. pots, \$1.00 per 100; \$9.00 per 1000. Seedlings out of flats, \$1.00 per 1000.

Will exchange for ASPARAGUS PLUMOSUS plants.

R. HILBOURN, Clinton, N. Y.

SMILAX

Strong 2 1/2 in. pots, \$1.75 per 100; \$15.00 per 1000.

SEEDLINGS, 25c. per 100; \$2.00 per 1000. Cash.

WILLIAM LIVESEY, McTabe Street, NEW BEDFORD, MASS.

Pittsburg.

Jottings. The weather at present is extremely hot, in the nineties and no relief in sight. This has a bad effect on trade, which is about as dull as can be. There is plenty of stock on hand, which is sold at variable prices. Sweet peas are coming in strong but very cheap. Roses at times are scarce. The first water lilies are in. Plants are yet plentiful but mighty hard to sell. A good crop of candidum lilies is on the market and come in very handy. It is very peculiar that very few can grow this lily successfully; the bulbs in the Fall look fairly good, but the results in the Spring are unsatisfactory, very few coming to bloom.

Anton Krut, florist, Butler, Pa., is getting his place in good shape. He was very fortunate in buying his property some years ago, as the improvements made by the city have largely increased the value of his place. His storeroom property, which he bought a short time ago on the main street, is a good location, being within a square of the courthouse and he commands the best trade in Butler.

Mr. and Mrs. Gustave Ludwig have sent out invitations for the wedding of their daughter Lena to Victor F. Bergman of Chicago, the wedding to take place June 30. Mr. Bergman is with Ernst Wuenhofer, the florist on Elm street, Chicago. E. C. R.

Detroit.

Attacking Scale Diseases.

Trees and shrubs of the city of Detroit are badly infested with San Jose scale and other destructive scale diseases. Park Commissioner Philip Breitmeyer has succeeded in securing an ordinance enabling him to deal vigorously with any infested trees and shrubs in public parks and private grounds. He has the cheerful co-operation of citizens and the battle against these pernicious insects is in full swing. A number of experienced men are going through the city inspecting trees and shrubs. All infested but curable plants are labeled. "This tree (or shrub) must be sprayed." Such as are beyond cure or are already dead are tagged. "This tree (or shrub) must be removed." Men employed by the Park Board follow the inspectors and carry out the orders. FRANK DANZER.

Providence, R. I.

The Business.

The past week business was very brisk in bouquets and baskets for school graduations, wedding flowers being also in good demand. Roses, lily of the valley, sweet peas and carnations, were the principal flowers used at these functions. Stock of all kinds is showing the effect of the very hot weather we are having. With the closing of the schools comes a very quiet season among the retailers and stowmen; it gives them a chance to take their vacations and call on growers. There is a movement here by two of the largest growers to form a wholesale market this coming Fall. The trade thinks things are about ripe for one.

E. J. Johnston is building a new greenhouse, 125 feet x 30 feet.

Chas. Johnston (with E. J. Johnston) and James Lavery (with J. B. Canning) are on the sick list and confined to their homes. G. A. J.

ASPARAGUS Sprengeri

From 4 in. pots, \$6.00 per 100. Cash with order.

C. A. PETERSON, 196 MAIN ST. MADISON, N. J.

FERNS

Scottii Ferns, in 6 in. pots, 40c. and 50c. each. Ferns, in nice assortment, \$3.00 per 100. KENTIA Belmoreana, 4 in., 25c. each. ASPARAGUS Plumosus, 2 1/2 in., \$3.50 per 100. ASPARAGUS Sprengeri, 2 1/2 in., \$3.00 per 100. AGERATUM and Mme. Salleroni GERANIUMS, 2 1/2 in., \$2.50 per 100.

HENRY WESTON, Hempstead, N. Y.

STOCK YOU NEED—Fuchsia, Little Beauty, large plants, in 2 1/2 in. pots, ready for 3 in., \$5.00 per 100. Feverfew, double white, large plants, out of 2 1/2 in., \$2.00 per 100. Lobelia, Crystal Palace compacta, large clumps, in 2 1/2 in. pots, \$2.00 per 100. S. A. PINKSTONE, 20-22 Philip St., UTICA, N. Y.

RHODODENDRONS

HARDY HYBRIDS, 1½ ft., 2 ft., 3 ft., 4 ft., 5 ft. BOX, all sizes Bush, Pyramid and Standard ROSES, large assortment Hybrids and Climbing.

HERBACEOUS PERENNIALS, 1000 varieties

Send for General Catalog and Trade List.

The NEW ENGLAND NURSERIES Inc. Bedford, Mass.

LARGE TREES
OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES
WM. WARNER HARPER, PROPRIETOR
Chestnut Hill, Philadelphia, Pa.

Your Money is well spent when you advertise in
THE FLORISTS' EXCHANGE

HARDY NEW ENGLAND GROWN NURSERY STOCK

WE GROW A GENERAL ASSORTMENT OF
Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc.
Prices Reasonable. Wholesale Trade List for the asking.
BAY STATE NURSERIES, NORTH ABINGTON, MASS.

AMERICAN NURSERY COMPANY

—COMBINING—
Fred'k W. Kelsey, New York City, F. & F. Nurseries, Springfield, N. J.
Bloodgood Nurseries, Flushing, L. I. N. J. & L. I. Nurseries 150 Broadway, New York.

THE ELM CITY NURSERY CO.
Clematis Paniculata

At \$1.00 per 100
5.00 " 1000

Strong one year frame seedlings suitable for setting direct in the nursery row or for potting up.

Sample 25 for 25c., prepaid

The Elm City Nursery Co.
NEW HAVEN, CONN.

2000 LARGE NORWAY MAPLES

2½ to 4 inch calliper; transplanted and headed back two years ago. They are specimen trees with smooth, straight stems and beautiful full dense heads. Being on land that has been sold, they are offered at a great bargain. Prices given promptly upon receipt of request, stating size and number desired.

J. T. LOVETT,
LITTLE SILVER, N. J.

Viburnum Plicatum

We have a large stock, and offer it at a bargain. Write for prices.

THE CONARD & JONES CO.,
WEST GROVE, PA.

STORRS & HARRISON CO.
NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR CATALOGUE
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Just Received From Our Holland Nurseries
Rhododendrons, Azeleas, Spiraea Japonica, Lillium Speciosum, Peonies, Bleeding Heart, Pot-Grown Lilacs, Hydrangea in Sorts, Clematis and H. P. Roses in the best sorts.

PRICES MODERATE

EBBINGE & VAN GROOS
Formerly THE HORTICULTURAL CO.
BOSKOOP, HOLLAND
Hardy Nursery Stock, such as H. P. Roses, Rhododendrons, Azaleas, Clematis, Buxus, Choice Evergreens, Peonies, etc.
Ask for Catalogue.

KOSTER & CO.
Hollandia Boskoop, Holland
Nurseries
Hardy Azaleas, Box Trees, Clematis, Camellias, Hydrangeas, Peonies
Pot Grown Plants for Forcing
RHODODENDRONS, H. P. ROSES, Etc.
Catalogue free on demand

LEESLEY BROTHERS NURSERIES
A complete line of Nursery Stock.
Shrubs a Specialty
NURSERIES, PETERSON & NORTH 40th AVES.
Chicago, Ill.

CANNAS
Mrs. Kate Gray, Pennsylvania, Egandale, Ro-bueta, etc., 3 in. pots, \$4.00 per 100.
GERANIUMS, in bud and bloom, 3 in., the best bedding kinds. Ricard, Doyle, Viand, etc., \$4.00 per 100.
TUBEROSES, double dwarf Pearl, Mammoth size, \$5 per 1000; second size, \$2.50 per 1000.
Shellroad Greenhouses, Orange, Baltimore, Md.

VEGETABLE PLANTS
CABBAGE, Wakefield, Early Flat Dutch, Early All Head, Early Drumhead and other early varieties; Surehead, Late Flat Dutch, Danish Round and other late varieties, 20c. per 100; \$1.00 per 1000; \$8.50 per 10,000.
TOMATO, Stone, Favorite, Paragon, etc., 20c. per 100; \$1.00 per 1000; \$8.50 per 10,000.
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Shrubbery Notes

The Hungarian lilac, *Syringa Josikaea*, and the Asiatic one, *villosa*, and its varieties are too seldom seen in collections.

Josikaea has dark purple flowers, the *villosa* and varieties are too seldom seen in collections. The chief value of these kinds consists in their late blooming. The flowers do not expand until all the old kinds have done. All have the lilac odor, but hardly as refreshingly fragrant as that of the old kind. A variety of *villosa*, Dr. Bretschneider, is one of the best. The habit of growth of this class of lilac is less spreading than any other.

Azalea viscosa is the last of the genus to flower in Spring. It is not in bloom until June, and in its wild state it is often possible to gather its flowers in July. The flowers are white and quite fragrant, something not to be said of all azaleas. As its home is in wet places it is useful for planting in low ground, where often it is difficult to find shrubs that will thrive; but it need not be confined to such situations, for it will grow where any other azalea will.

Rose *Gardenia*, one of the *Wichuriana* hybrids, though fairly well known in collections, deserves to be still more planted. Its color is a beautiful yellow in the bud, changing to cream white when expanded, and its odor is delicious. The flowers are double, in bunches of two to three, sometimes but one on a shoot, while the foliage is of a deep green, firm texture. It should be better known as a yellow rose than as a cream-colored sort, because its buds are its chief value and they are yellow.

One of the rarest shrubs in cultivation is the *Stuartia virginica*. It becomes a large shrub or small tree, flowering in early June. The flowers are white, with a cluster of purple stamens at base; and as the flowers are three inches or more in diameter they look not unlike those of some of the finer kinds of *althaeas*. This one, *S. virginica*, is quite different in foliage and flower from the *S. pentagyna*, a species often sold for it. *Pentagyna* does not have the purple center the *virginica* has.

Witnessing the ill-doing of so many shrubs and trees transplanted late in the season leads to the suggestion that great loss need not be, with care. Where late planting is not possible, it often is to dig and heel in the stock early in the season; and this is a distinct advantage to it. Pushing of the buds is delayed, and this, with heavy pruning, watering and secure planting, places the stock in as good shape as though set out in early Spring. Then if a damp season comes at the planting time it is an additional advantage.

Calycanthus Shrubs It is a pity that the good old sweet shrub, *Calycanthus floridus*, is so seldom seen in cultivation, having been supplanted by a comparatively worthless one, *C. laevigatus*, sometimes called *C. fertilis*. The *floridus* is well worthy of its name, sweet shrub, its flowers having a delightful "strawberry" odor, while the flowers of *laevigatus* are not at all as fragrant, and, in fact, many of them are without any odor at all. Attention has been called to this before, but it is opportune to mention it again now, as this is the season to look to the propagation of the true *floridus*. The trouble and disappointment that many experience with *calycanthus* comes from the error on the part of many nurserymen who sell the *laevigatus* for the *floridus*. Many of them do not know of the difference and take the word of seed collectors that what they offer is *floridus*, while the fact is that seeds of *floridus* cannot be had from any collection. It rarely seeds; on the other hand, *laevigatus* seeds freely, and it is this one collectors sell for *floridus*. Practically the only way to increase the true *floridus* is by layering and by sub-division of an old plant. It increases by

underground stolons, and can be grown from root cuttings. This is the time to try the layering of the plants. Strong shoots notched and layered root readily. They root without notching, but quicker when it is done. When it is desired to take up a large plant and divide it the number of separate plants that can be made can be added to it the branches are notched, or slit, at the base as for layering and then to heap a lot of good soil about the plant, as is done when layering quinces, leaving the heap undisturbed for a year or two.

Display of Roses Our photograph herewith represents a display of roses near Horticultural Hall, Fairmount Park, Philadelphia, and it is to show how well the plants do, standing unprotected all Winter. The varieties are nearly all of the hybrid perpetual type, and in the collection are some of the best sorts of all. The plants are well matured every Au-



Display of Roses at Fairmount Park, Philadelphia

turn before Winter sets in, and this acts as well as a mulch to the plants, keeping the frost from penetrating deeply, which in itself is an aid to all kind of plants. The pruning of the plants in these beds is well done. Hybrid perpetual roses will flower the whole length of the last season's shoots if let alone, but then the flowers are not over large. By pruning away nearly or quite one-half the growth there is an increase in the size of the flowers produced, and a uniformity of outline given the beds which is very desirable. The beds before us were pruned on this plan. One and all were cut back, that there would be as near a proper outline to the bed as possible. The strongest plants make more height than weaker ones, of course, but this little irregularity in the bed is rather in its favor than otherwise.

A great many roses less hardy than the hybrid perpetuals can be wintered in good order, if but the base be protected. Often but a few inches of live wood near the ground is sufficient, and this much can be secured by placing forest leaves, sawdust, sand, manure or even soil itself around the plant at its base. Where soil can be dug up close to the plants it is the most expeditious way of all; and then when Spring comes and the raking away of the soil is done it has not to be carried away as some other material would have to be. Many of the everblooming roses can be wintered safely in this way.

Flowering Dates of Catalpas Now that the question of forestry is interesting the whole country, and in this connection the catalpa is being so prominently mentioned as a most valuable timber tree, it is well to note the difference in the character of the flowering of the two native species, the *C. bignonioides* and *C. speciosa*, that the propagation of the latter only may be fostered as the other, *bignonioides*, is not its equal as a forest tree. The wood of the latter may be as durable as the former. The former, being a native tree and the *speciosa* plant from Western raised soil. At this time, June 20, the two are nearly recognized by their time of flowering. The *speciosa* flowered in the first week in June. It has now been out of flower for fully a week, and this day, a full week later, the first flowers only of the *bignonioides* are opening, and it will not be entirely out of flower, or no more than out, by the close of the month. Where the two sorts are so that comparison can be made the kind can easily be recognized in this way. Beside this, the *speciosa* makes a tall forest tree, while the *bignonioides* does not, growing into a spreading bushy tree. It is the better tree for a lawn, as its panicles of flowers are much better displayed than are those of the *speciosa*. Those who intend to set out forests should be sure to secure the true kind, as *bignonioides* would not give them but disappointment. Experts declare that there are intermediate kinds, hybrids between the *speciosa* and *bignonioides*, but in view of the fact that *speciosa* is out of flower before *bignonioides* open, it does not seem possible for much mixture between these two, and possibly the variation in some seeds may be due to locality in some cases instead of to hybridization. The character of the seeds of the true *speciosa* and of *bignonioides* is quite distinct, even though slight variations in each may be observed, and nurserymen should interest themselves to see that what seeds they sow are the right kind.

White-Flowered Judas Tree *Cercis canadensis alba*, which has been introduced by Mr. Teas, an accidental seedling, we understand, makes a nice addition to the list of these trees as well as to the number of white-blossomed, Spring-flowering ones. All the Judas trees are pretty, and this white-flowered one will contrast nicely with the others set in a group with them. There is no reason why plants of it should not soon be in the hands of all the trade, as Judas trees can be rooted from soft wood cuttings at this time of the year, as well as from seeds sown in Spring. It may be that being but a variety it may not come true from seed, in which case seedlings could not be sold until they flowered. Many varieties of plants do come fairly true from seed, as for instance, the purple herryberry, and it is probable this white-flowered Judas tree would. Nurserymen do not hesitate to sow the seed of the purple herryberry, because the few that do revert to the green form are easily detected the first year of their seedling life, and so can be separated from the purple ones. Layering of this white Judas tree would also be in order, and at this time; and it may be that it would be increased by budding it on the common one, *C. canadensis*. The best-selling Judas tree so far is the Japanese one, *C. japonica*. Its dwarf, bushy habit, as well as its large rose pink flowers are greatly in its favor.

JOSEPH MEEHAN.

California Plant Notes.

Romneya Coulteri, or, as it is known on this coast, its native place, *Matiliza Poppy*, is now in bloom, and a beautiful sight it is. There are two varieties of this plant with two distinct characteristics. The flowers of the one has a calyx covered with a yellowish colored tomentum; in the other it is smooth. The first named spreads by creeping root stalks and, if given some water during the Summer months, will soon cover a large area of ground, the other increases only at the crown of the plant. The flowers of both varieties are identical. Neither of them seed freely, but both may be rapidly propagated by root cuttings in the same way that blackberries are grown. The seed seems to be covered with an impervious coating, which keeps it from germinating for a long time, sometimes as long as two years, but, if soaked in lye water made from wood ashes, which dissolves the coat, it grows as quickly as other seeds. This is also true of our tree poppy seed, *Dendromecon rigidum*; this plant, however, has no adventitious eyes on the roots.

F. D. BARNHART.

Pomato or Tomato, Which?

Oscar Soderholm, foreman at the greenhouses of H. F. Littlefield, Worcester, Mass., has a genius for experimenting. In February, Mr. Soderholm grafted Lordland tomato plants on to potato vines. Now, he has a number of double plants; above ground we found tomato plants 6 feet high, still growing rapidly and full of green and ripe tomatoes. On the other end, in the ground, there are potatoes the size of an egg. There are no potato vines in sight, excepting those growing from the new potatoes; for, strange to say, the potatoes, instead of ripening, are sprouting. Mr. Soderholm has other experiments on the way.

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JOTTINGS FOR FLORISTS

BY EDWIN LONSDALE

Rose William R. Smith A few weeks ago fifty plants of this new rose were sent here for trial by John A. Shellem as a rose highly recommended for outdoor work. They were thrifty young plants, growing in 2½-inch pots, and the way they have grown since speaks well for their vigorous constitution. We have potted them on until they are now in 5-inch pots, as we are not yet quite ready to plant them outdoors. The rose originated on Mr. Shellem's place five or six years ago and according to its reported pedigree it is the result of a cross between Maman Cochet and Madame Hoste. I like to know pedigrees of meritorious plants and to make them public, so that whoever may be interested may be guided in their future operations. It has been stated that for Winter blooming the coloring of the flowers of this rose is not sufficiently decided to be desirable, but I can say now that for Summer blooming under glass it promises to be all that could be desired in that direction. In form it is as nearly perfect as roses generally come; and as to its delicate coloring it is to me exquisite, being of a creamy blush with a somewhat darker shade on the edges of the petals, and to crown all which appeals to each and every one it is a good keeper. A rose that is a good keeper in Summer time can without a doubt depend upon everybody being its friend. It is a true Tea variety and the general good qualities of William R. Smith may be said to come first from Maman Cochet, a rose that is conceded to be the queen of all pink garden roses, and the other parent, Madame Hoste, in its day was most satisfactory as a Winter bloomer under glass as to freedom of bloom and form of bud, but its shortcoming was lack of decision in color character, causing it to be relegated to the rear, until nowadays it is rarely seen. I saw it not long ago, however, on a private place rendering an excellent account of itself, and I was in confidence advised by the gardener in charge that Madame Hoste would stand more feeding than any other rose that he has ever had anything to do with. The plants seen on the occasion referred to were in better shape as to thrift in growing and the buds were larger than I had ever before seen of said variety among commercial growers. If Madame Hoste were only more of a decided yellow in color it would, I feel sure, be more grown among the trade than it now is, as there is certainly a place for a good yellow rose where flowers are sold at retail. This information is introduced here to indicate that the rose William R. Smith is well bred.

Climbing Roses For some time I have had a desire to grow a number of Rambler roses for the purpose of having a good show of bloom in their regular season, and also for the purposes of education. Comparison under exactly similar conditions is what is needed. A day or two ago I put my threat into execution, and a dozen varieties, two of a kind, were planted all in a row. Owing to available space not being any too plentiful here they were planted only three feet apart. In due time galvanized iron pipes, three-quarter-inch measure will be placed alongside of each plant, eight feet high, for support. A "T" will be on top of each pipe and with pieces of pipe properly attached to the T's, a continuous line of pipe will be there on which to train the roses as they grow. As they are now planted, two Crimson Ramblers occupy the central position; the Philadelphia Rambler on each side in second position, Hiawatha third, Carmine Pillar fourth, Crimson Roamer fifth, Farquhar sixth, Dorothy Perkins seventh, Lady Gay eighth, Tausendschön ninth, Tenth and eleven spaces are vacant, awaiting future development. Keystone, a reputed overblooming yellow Rambler, is the twelfth, occupying the two extreme end spaces. I expect to have a great deal of pleasure in watching all these varieties, their time of blooming, and other peculiar characteristics that each variety naturally possesses.

A Clash! In a suburban garden is to be seen something that really makes one's blood run cold. There are Crimson Rambler roses in full bloom at each supporting post to the veranda, and scarlet geraniums in full bloom planted, forming a thin red line between same. Scarlet geraniums will look all right after the roses have done blooming, but the roses should be given the right-of-way until they are on the wane, and the flowers of the zonales be kept religiously picked off in the meantime, thus avoiding discordant color combinations.

Another Clash! A few days ago, when visiting the well-kept place of Mr. Samuel T. Bodine at Villa Nova, Francis Canning in charge, I saw a fine lot of exceedingly well-flowered Bougainvilleas in bloom and the word was passed, "Why are not such finely decorative plants doing duty at the mansion, either on the porch or within the house?" to which Mr. Canning replied, "One of the plants has been in use there for some time, but I was continually reminded by the madam that the coloring did not harmonize with the surroundings and I had no peace until it was removed."

Natural Gardening In conversation with a lady, who is reputed to be quite wealthy, the question of natural vs. formal gardening was under discussion. She said: "That part of Fairmount Park where the landscape gardening is so arranged as to give it as nearly as possible a natural effect has no charm whatever for me. I prefer beauty set as prim and as formal as it is possible to make it." It is grievous to listen to such talk, but the opportunity did not present itself to make it worth while to endeavor to lead her to think otherwise. Such people who are so set in their ideas have to be handled very diplomatically, so as not to offend them, when pointing out the possible error of their ways, and try to teach them that the more nearly natural a place is planted the more it is to be admired. It is to be understood, of course, that all formal gardening is not to be condemned by no means. There are places where both or either may be made use of to advantage. At Mr. Bodine's place, before referred to, there is a round sunken garden with brick work as a retaining wall, capped with stone. The prevailing coloring among the flowers was, on the day of my visit, the blue of the delphiniums and the yellow of the perennial coreopsis. The Oriental poppies were over, but the Japanese irises were in full force; the white-flowered varieties showed to the best advantage. Some of those with purple flowers clashed with the bluer delphiniums. Some fine large clumps of a perennial phlox acted very effectively as a pen-maker in many instances, which goes to prove that the white flag of truce in war times comes without a doubt by its coloring appropriately.

LATANIAS

Strong, 2 in., \$3.00 per 100; 3 in., \$6.00 per 100; 4 in., \$15.00 per 100. Ready to ship. Will make fine plants this Summer.
DRACAENA Indivisa, 2 in., \$3.00 per 100; 3 in., \$6.00 per 100.
PANDANUS Utilis, 2½ in., \$3.50 per 100.
KENTIAS, Belmoreana and Forsteriana, 4 in., 2½ and 3½; 5 in., 50c, and 75c; 6 in., \$1.00, \$1.25 and \$1.50. Large plants, \$2.00 to \$25.00 each.
PHOENIX \$2.50 to \$25.00 each.
ARAUCARIA Excelsa, 5 in., 50c, and 75c each.
ARAUCARIA Excelsa, 6 in., 75c, and \$1.00 each.

FERNS

Whitman, 1 in., \$20.00 per 100; 5 in., \$50.00 per 100; 6 in., \$75.00 per 100.
 Small Ferns for dishes, large flats, fine condition, \$2.00; 2 in., \$3.00 per 100; \$25.00 per 1000.

JOHN BADER Mount Troy, ALLEGHENY, PA.

ORCHIDS

CATLEYA TRIANAE

Just to hand, 50 more cases, in perfect condition; 70 more cases due next week. We have room for about 20 cases more; *balance must be sold*. Finer plants have never been seen anywhere. Write us for *special prices* and order a sample case. **C. Labiata**, in large quantities, in line shape; also **C. Dowiana**, **C. Percivalliana**, **C. Mossiae** and many more. **C. Schroederae** and **C. Gigas** due shortly.

LAGER & HURRELL, - Summit, N. J.

PALMS Home-Grown

KENTIA BELMOREANA		Each Per doz.	
6 in. pots, 6 to 7 leaves, 22 to 24 in. high	1.00	12.00	
6 in. pots, 6 to 7 leaves, 24 to 26 in. high	1.25	15.00	
6 in. pots, 6 to 7 leaves, 26 to 28 in. high	1.50	18.00	
6 in. pots, 6 to 7 leaves, 30 to 35 in. high		2.00	24.00
7 in. pots, 6 to 7 leaves, 32 to 34 in. high		2.50	30.00
COCOS WEDDELIANA		Each Per doz.	
2½ in. pots, 8 to 10 in. high			.10
2½ in. pots, 10 to 12 in. high			.15

Full Line of **KENTIAS** (all sizes.) Ready in July.

JOSEPH HEACOCK CO., Wyncote, Pa.

BAY TREES BAY TREES BAY TREES

Standards and Pyramids, just arrived in fine condition

Standards 28 inches diameter in crown,	\$14.00 per pair
" 32 " " " " "	18.00 "
" 36 " " " " "	20.00 "
Pyramids, 54 " high	10.00 "
" 60 " " " " "	12.50 "
" 66 " " " " "	14.00 "
" 80 " " " " "	16.00 "

Special prices on all Summer and Fall bulbs and plants cheerfully given by

F. W. O. SCHMITZ, PRINCE BAY, N. Y.



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ROBERT CRAIG & CO.
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 Will arrive shortly: Cattleya Gaskelliana, C. Mendelii, Phalaenopsis Schilleriana, P. Amabilis, Dendrobium Phalaenopsis.
CARRILLO & BALDWIN, Secaucus, N. J.

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Now is the time to place your orders for **BEGONIA GLOIRE DE LORRAINE, CYCLAMEN and POINSETTIAS**

I am well equipped to supply the above in any quantity at the following prices:
BEGONIA GLOIRE DE LORRAINE, 2½ in. pots (leaf cuttings), \$15.00 per 100; \$140.00 per 1000.
CYCLAMEN, 2½ in., \$5.00; 3 in., \$7.00, 4 in., \$15.00; 5 in., \$20.00.
POINSETTIAS, 2½ in., \$5.00 per 100; \$15.00 per 1000.

Satisfaction guaranteed.

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FUCHSIAS, five finest kinds, 2 in., 1½c. R. C. \$5.00 per 1000.
COLEUS, Good Redders, 2 in., 1½c.; R. C. \$4.00 per 1000.
ASTERS, branching, 4 colors, \$2.00 per 1000.
TOMATOES, Stone and Trophy, 75c. per 1000 Cash.

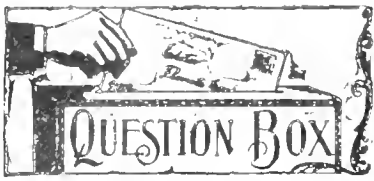
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ORCHIDS

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(107) **Mildew on Roses.**—Please let me know the best remedy for mildew on roses. I have a house in which I grow Etoile de France, La France and Kaiserin for Summer flowering. We freeze them in Winter and let them start natural, as there is no heat in the house. I have had air on both day and night and up to the present have done well.
Mass. SUBSCRIBER.

—There is no better remedy than dusting the foliage with flour of sulphur; use a bellows as a distributor and repeat the operation as often as necessary until the mildew is entirely eradicated.

(108) **An Interesting Question.**—About what interest should I reckon on, on the original investment when renting greenhouses with modern appliances and convenient to station apart from the value of the land?
New York. Z.

—In estimating the rental for greenhouse property, aside from the value of the land and the location, it would seem that six per cent. on the original cost and ten per cent. for deterioration would be as low a figure as could possibly be made.

(109) **Ficus Repens.**—How shall I propagate *Ficus repens*, and what parts of the plant shall I use?
California. A. L. H.

—To propagate *Ficus repens* use the tips of the shoots for cuttings. They will root easily in sand over bottom heat.

(110) **Cyclamen not Growing.**—My cyclamen are not growing. They were sown in September, 1907, and transplanted in December, and are now in 3-inch pots, in small greenhouse 18x12, well shaded from 10 to 4; gave them soft water, and spray over head daily and water only when need it with can. Would nitrate of soda do them good? If so, state formula. They have no aphid or other insect pests, but leaves curl up and come yellow.
California. A. L. H.

—The cyclamens are evidently being grown too warm. Place them in a frame that faces the north, use ashes for the pots to stand upon, discontinue all syringing and water very carefully. Nitrate of soda would do them more harm than good.

(111) **Treatment of Poinsettias.**—How shall I treat poinsettias? Canes were cut into lengths of four eyes, one eye placed in sand. They made leaves but don't root. Shall I detach leaves and propagate from them, or plant piece of cane in bed and take cuttings in August for pans? Which cutting would be best in August—a top or side shoot?
California. A. L. H.

—Plant the old poinsettia plants outdoors where they will soon start to grow; then take the new growth, make them into cuttings, and root them in the ordinary propagating house. Either the top or side shoots are suitable for use as cuttings.

(112) **Oleander Cuttings.**—Would oleander cuttings root now? Our average daily temperature is 85 to 90.
California. A. L. H.

The half ripened wood of oleander will root easily at this time, but they must be kept shaded from the full sun and given a continual moist atmosphere.

(113) **Raising Snapdragon.**—Please advise me as to raising snapdragon under glass for cut flowers. At what time should the seed be planted, and when should the young plants be placed in the greenhouse beds? If side branches form, should they be picked off. Also state day and night temperature.
New York. A. J. D.

Sow the seed of snapdragon as early as possible. As soon as the seedlings are large enough, transplant outdoors in well prepared soil. Encourage growth as much as possible by careful cultivation all through the Summer, in order that good, strong plants may result. Lift the plants from the ground in September and plant them on the greenhouse bench, us-

ing a soil similar to what is used for roses, taking care that the plants receive no check from their removal from outdoors to the bench. As regards pinching the shoots back, all that is necessary is to pinch one or two of the leads back in the Summer to ensure having a stocky plant when transferred to the greenhouse; after that let everything go, as every shoot will produce flowers. A night temperature ranging anywhere from 54 to 58 is desirable for them during Winter; the day temperature 10 or 12 degrees higher. The best place for them in the greenhouse is on the center benches.

(114) **Eel Worms in Pots.**—Tell me the best way to get rid of the eel worms in flower pots.
New York. H. M.

—For worms of any kind in flower pots, the best remedy is lime water. Put a quantity of lime in a pail or barrel. There is no danger of making the lime water too strong, as the water will only absorb a certain amount of the lime, however much of the latter may have been put in. After the water and lime have been thoroughly stirred, allow the lime to settle; then pour off and water the plants, repeating the operation in two or three days if necessary.

(115) **Trees and Shrubs for the Sea Coast.**
New York. SUBSCRIBER.

—The near presence of salt water is no hindrance to the well-doing of trees and shrubs, as witness the many places where they grow right down to the water's edge. Salt spray does not suit all kinds, though there are some of them that do not mind a shower bath of this at times. Below is a list of sorts that are looked on as good seaside subjects, but I would say plant anything at all after setting along the boundary line some thick growing shrubs or trees to break the force of the wind, it being the wind more than the spray that does harm.

Trees: Austrian pitch and inops pine, white cedar, red cedar, common juniper, larch, holly, sour gum, post oak, black jack oak, sweet gum, swamp magnolia, swamp alder, swamp maple, Osage orange, ailanthus and willows. Trees with limbs that give to the breeze are better than those with sturdy branches, the giving saving their leaves from being torn.

In the line of shrubs try these: Myrica cerifera, Prinos glaber, Rosa carolina, cephalanthus, California privet, Rosa rugosa, tamarisk, colutea, halimodendron, laburnum, elder, Lycium barbarum, baccharis, lilacs, Euconymus japonicus and E. Sieboldianus.
J. M.

(116) **Biennial Echium.**—Enclosed find photo of a plant grown extensively here in Redlands. I would like to know its correct name. It answers the plants described by Bailey as *eremurus*; also *echium*.
Redlands, Cal. SUBSCRIBER.

—The plant shown in the photograph is one of the biennial *echium*, which is one of the curiosities of plant life of this part of the State. I have seen flowering stems six feet long and twelve inches diameter, with its curious flowers, pale blue in color streaked with white. The undeveloped flower is red or pink, which gives the inflorescences a unique appearance, because there are buds and full-blown flowers on the same panicle, which is short petioled.
P. D. BARNHART.

(117) **Greenhouse Heating.**—My greenhouses are heated by four-inch cast iron pipes (supply tank is over boilers), four flows and five returns in each house; two of the flow pipes have no valves and would like to put in valves—if they would not interfere with the apparatus when all the valves are shut off. All houses are piped alike.
Connecticut. M.

—Your last sentence is the keynote to your letter. If you must have valves on all the flows of the various circulations see that they are never all shut off at the same time. If you do, circulation will stop, the apparatus be forced to boil over, and the probability is that a new boiler will be required, or even worse would happen. I cannot say much more in the way of information, for you lay particular stress on the question "all the valves are shut off."
I. G. SCOLAY.

The book of WATER GARDENING
By Peter Bisset. Price, postpaid, \$2.50
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Room Wanted

ROOM WE MUST HAVE to place our importations of ARAUCARIAS, PALMS, BAY TREES, etc. Therefore, our entire stock of bedding plants must go at astonishingly low prices.

Look! Look! Look!

And just think!

SCARLET SAGE, the best variety in the world—the Clara Bedman or Bonfire, 4 in. pots, which used to sell at \$12.00 per 100, now \$3.00 per 100, or \$15.00 per 1000. No less than one hundred of these at this price.

BEGONIA VERNON, dwarf red and Erfordii, 4 in. pots; 3 in. dark dwarf Vernon, 4c.

COBAEA SCANDENS, we have about 1000 nicely staked up, 4 in. pots, about 2 feet high, to close out, 5c. each.

CANNAS, best bedding varieties, red, yellow and pink by name, large, 4 in. pots, \$6.00 per 100.

FUCHSIAS, 4 in. big stock, 6c.

ASTERS, Victoria, 2 1/2 in. pots, \$2.00 per 100.

SOLANUM, the newest improved variety (Multiflorum) produces large berries and plenty of them, 2 1/2 in. pots, \$1.00 per 100.

COSMOS, 3 plants in a 3 in. pot, \$4.00 per 100.

Pure white MOON VINES, for which we have a world-wide reputation, 4 in. 12c.; 2 1/2 in., 5c.

Plants, 2 1/2 to 3 in. pots, at only 2c.

Heliotropes, Phlox Drummondii, Lobelia, blue, Dwarf and Trailing; Tradescantia, Verbenas, Petunias, Giant and Inimitable; Sweet Alyssum, Little Gem; Summer Chrysanthemums, Nasturtiums, Pyrethrum, white flowering; Kenilworth Ivy, Tagetes or Marigold, Eldorado and Gold

Ring; Ageratum, 3 in.; Fuchsias, Torenia Four-nieri, Dianthus, Chinese and Japanese Pinks.

BOSTON, SCOTTII and WHITMANI FERNS, 4 in., 20c. to 25c. each. WHITMANI FERNS, 1 in., 25c.

CLEMATIS JACKMANNI, the true variety, from Europe, 6 in. pots, 3 feet high, 35c. to 60c. each.

ARAUCARIA ROBUSTA COMPACTA, new importations, 6 in. pots, 3 tiers, \$1.25 to \$1.50. Araucaria Excelsa Glauca, new importations, 6 in., 3 tiers, \$1.00 to \$1.25.

ARAUCARIA EXCELSA GLAUCA, for the lawn or porch, last Spring (1907) importation. Only specimen plants can be offered of the beautiful type, 6-7 in. pots, 25-30-35-40 in. high, same in width, 6 year old, 5 tiers, \$1.75, \$2.00, \$2.50 to \$3.00 each.

Have just received from Antwerp about 5000 Araucaria Excelsa of all sizes. Plants, 3 tiers, 8-10-12 in., 40c.; 12 to 14 in., 50c.; above, 60c. to 75c.

KENTIA BELMOREANA, 4 in., 20 in. high, 35c.; 5 in., 20 to 25 in. high, 50c.; 5 1/2 in. pots, 60c. to 75c.

KENTIA FORSTERIANA, 7 in. pots, 40 to 50 inches high, \$2.50 to \$3.00 each. 6 in. pots, 30 inches high, \$1.50; 6 in. pots, 25 inches high, \$1.00; 6 in. pot, 20 inches high, 75c.; 5 in. to 5 1/2 in. pots, 50c. each.
DRACENA BRUANTI, 6 in., 35c.

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Importer, Wholesale Grower and Shipper of Pot Plants.

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BOXWOOD Buses, globular shape, in 7 in. pots, \$6.00 per dozen.

BOXWOOD Buses, globular shape, in 8 and 9 in. pots, \$8.00 per dozen.

BOXWOOD Pyramids, in tubs, 5 ft. tall, \$8.00 and \$10.00 per pair.

BOXWOOD Standards, in 6 1/2 in. pots, \$2.00 per pair.

BOXWOOD Golden-leaved bushes, in 7 and 8 in. pots, \$2.00 per pair.

ABIES Kosteri, Blue Spruce, 6 in. pots, fine, bushy plants, \$12.00 per doz.

ABIES Kosteri, in 9 in. pots, \$5.00 per pair.

CHERRY LAUREL, 11 in. pots, \$5.00 per pair.

TUBEROSE ROOTED BEGONIAS, selected varieties, just coming in bloom, in 5 1/2 and 6 in. pots, \$1.00 and \$5.00 per doz.

ASPARAGUS Sprengeri, in 5 in. pots, \$4.00 per doz.

CROTONS, in 4 in. pots, \$2.50 per doz.

PANDANUS Utilis, 4 in. pots, \$3.00 per doz.

PANDANUS Veitchii, 6 in. pots, \$6.00 per doz.

COCOS Weddeliana, 3 in. pots, \$15.00 per 100.

COCOS Weddeliana, 5 1/2 in. pots, \$1.50 each.

Above prices are net cash.

NEPHROLEPIS Amerpobli, 5 1/2 in. pots, \$8.00 per dozen.

NEPHROLEPIS Boston Fern, 5 1/2 in. pots, \$8.00 per dozen.

DRACAENA Indivisa, 3 1/2 in. pots, \$5.00 per 100.

DRACAENA Fragrans, 5 1/2 in. pots, \$4.00 per doz.

DRACAENA Fragrans, 6 in. pots, \$6.00 per doz.

DRACAENA Fragrans, 7 in. pots, \$12.00 per doz.

DRACAENA Lindenii, 7 in. pots, \$2.00 each.

AUGUBA, variegated, in 8 in. pots, \$12.00 per doz.

CHRYSANTHEMUMS, from 2 1/2 and 3 in. pots. Golden Baby, for pots, late, very valuable, \$3.00 per 100, also other Pompons. Assorted varieties, 3 in., \$2.50 per 100.

ROSES, Crimson Rambler, 6 in. pots, \$4.00 to \$6.00 per doz.

KENTIAS, single and combination, \$7.00, \$8.00, \$9.00 and \$10.00 each.

ARAUCARIA Excelsa, \$1.00, \$1.50 and \$2.00 each.

ARAUCARIA Glauca, \$1.50 and \$2.00 each.

ANTON SCHULTHEIS, P. O. Box 78 College Point, N. Y.

PRIMROSES ASPARAGUS

JULY 20

Chinese, single fringed \$2.00
Oboconia alba rosea 2.00
Gigantea and Kermesina 3.00
Forbesii, "Baby" 2.00

Per 100

JULY 1

Plumosa, 2 1/2-in. pots \$2.00
Sprengeri 2.00
SEEDLING PETUNIAS 2.50
Smilax, July 10 1.25

Giant Flowering Pansy Seed ready, oz., \$4.00.

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COLEUS ASTER PLANTS

GOLDEN BEDDER, large plants, 3 in. pots, \$25.00 per 1000. ALTERNANTHERA, Red and Yellow, \$15.00 per 1000.

GEORGE I. LAIRD
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QUEEN OF THE MARKET, Semple's and Calson's, separate colors, from the best seed, fine plants, ready to plant out, 35c. per 100; \$2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

LIST OF ADVERTISERS

Table listing various florists and their addresses, including Adams J W & Co, Akers H R, Albert & Davidson, etc.

Table listing florists and their addresses, including Vincent R Jr & Son, Wilson R, Wax Bros, etc.

INDEX TO STOCK ADVERTISED

Table listing various plant species and their prices, including Abutilon, Adiantum, Agrostis, etc.

Rome, N. Y.

Memorial Day trade was extra good, and the bedding business was the best experienced for several years.

The good growing weather has caused everything outside to look very fine. E. J. Ryan has a fine house of Lawsons planted, and has commenced planting chrysanthemums this week.

Firms Incorporated.

DES MOINES, IA.—The Loziers have incorporated with \$25,000 capital stock and will engage in the florist and nursery business.

BRIGHAM CITY, U.—The Intermountain Nursery Company of Brigham City, U., have filed articles of incorporation with the Secretary of State.

Firms Who are Building.

Items for insertion under this heading are respectfully solicited from our subscribers. They are published free of charge.

CHAMPAIGN, ILL.—Work has commenced on the new greenhouse of Thomas Franks & Son.

ROCK ISLAND, ILL.—The Rock Island (Ill.) Floral Company are at the present time building greenhouses near the entrance to Chippianock Cemetery.

WINONA, MINN.—The Kirchner greenhouses at the West End are undergoing considerable improvement and enlargement.

JAMESTOWN, N. D.—Allen K. Wheeler, an experienced florist of Litchfield, Minn., expects to arrive in Jamestown in a few days to build a large greenhouse.

CHANGES IN BUSINESS.

The Florists' Exchange will be pleased to publish under this heading all changes occurring in the addresses of firms connected with the trade.

ROCK ISLAND, ILL.—The greenhouses and fixtures owned by the Long View Park florists have been leased by Henry H. Hensley as manager.

ROCHESTER, N. Y.—Florists consider the display of roses this season at the Mt. Hope avenue home of the Ellwanger & Barry Company among the finest in the country.

EAST LIVERPOOL, O.—Among the many and various features being arranged for the country fair to be held at Rock Springs park near the close of the regular season next September is an immense flower show.

CORNING, N. Y.—W. J. Cheney has sold to Dr. F. H. Starr, of West Putney street, the two front greenhouses at 256 West Putney street.

CEADARVILLE, N. J.—Stephens Brothers, Inc., Cedarville; capital, \$100,000, incorporate—William K. Stevens, C. S. Stevens and G. W. Stevens.

BRIGHAM CITY, U.—The Intermountain Nursery Company of Brigham City, U., have filed articles of incorporation with the Secretary of State.

LYNN, MASS.—The Houghton Horticultural Society and Lynn Horticultural Society spent Bunker Hill day in an excursion to Canobie Park, Salem, N. H.

DIXON, ILL.—The annual picnic of the Rock River Horticultural Society was held at Lowell Park. A dinner in the park was followed by the usual session of games.

GRANGE-BALTIMORE, MD.—Mr. Max Hildesheim of the Shedd Road Greenhouses, Grange-Baltimore, Md., will sail for Europe on July 8.

Catalogues Received.

YUERS GARDENS COMPANY, Newburgh, N. Y.—Wholesale Price List of Flower Seeds and Bulbs.

Business Difficulties.

PENN YANN, N. Y.—Purdy Bros., Seedsmen, closed their doors on Friday, June 19. The liabilities are placed at \$5,000, assets about half that amount.

50,000 VINCAS

2 in VINCA Variegata \$1.50 1000 Transplanted Cuttings \$1.00 5000 Samples submitted cash please.

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Contents.

Table listing contents of the magazine, including American Seed Trade Association Annual Convention, American Peony Association, etc.

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When Writing Please Mention THE FLORISTS' EXCHANGE.

(Continued from page 851.)

"At Eighty."*Paper read by C. L. Allen of Floral Park, N. Y., on reaching his 80th birthday.*

Life is not living unless it is doing. There are no negatives in the order of our being. The command is to do *not others*, but for others, as long as health and strength permit.

The general impression is that when a man has reached the "three score and ten" milestone, nothing further is required. He can sit in the sunshine and smile, or in the gloom of uncertainty and await results. This is a mistake—a sad mistake. Because the body grows old, that does not relieve the mind of its responsibilities. The mind is the man, the body is simply the means to an end.

But the body need not grow old as rapidly as it does, if it has mind to feed upon. Why should a man grow old when surrounded by all of God's creatures? He has the company of his fellow man or woman—the crowning effort of creative wisdom; he is surrounded by innocent childhood, the most beautiful gift of God's goodness. He has the songs of the birds to cheer, the flowers with their rare beauty and delightful fragrance to please. If it is his choice, he has friendship true and affection pure.

The burdens of life ended, man has nothing to do but live; not simply to exist but to live up to his opportunities, truly, manly, if he is brave enough to banish the nightmare of death from his vision and lay down his trust with a smile, and with sincere gratitude for the pleasure of having lived. The most consummate coward is the man that is afraid to die.

But why give up at seventy? Getting old is a bad habit. Nature has no use for the man that quits, and lets him retire. The man that keeps at it is the one that stays long and is happy. He sings when at his work and has a smile for all occasions.

Let us see what has been done by some of the old fellows that never give up.

Oliver Wendell Holmes at 83, wrote, and read at the Emerson College of Oratory, "Has there any 'old fellow' got mixed up with the boys?"

Among the Greek scholars old age was considered a requisite for mental vigor. Solon, Pindar, Sophocles, Anacreon and Xenophon lived to be over 80, doing some of their best work near the close of their lives.

When Goethe died at 83 the doctors laid his naked body on the table, and Schöffer exclaimed: "It is the body of a Greek god," and burst into tears. There was no wastage, shrinkage nor signs of age in that heroic form.

Michael Angelo was writing love sonnets at 80. From the time he was 71 years old until he was 79 he was employed in painting the Pauline Chapel. He was 73 years old when he was appointed architect of the wonderful St. Peter's at Rome, upon which he expended the vast powers of his mind in the 17 years following. During the last years of his life Michael Angelo executed, almost at the same time, the three masterpieces which have immortalized him in the three arts. He carved the "Moses," he painted the "Last Judgment," and he raised the dome of St. Peter's—a striking proof that in the arts, as in literature, the best works of man are usually performed in advanced life, when he is enabled to unite the experience and firmness of many years to the fire of an imagination ever young.

Hahnemann, the father of homeopathy, one of the world's greatest men, the most profound scientist, proved the value of his attenuations by getting married at 81, and by being blessed with twins in a year.

Dr. Du Boissey of Hanover, in 1903, when 103 years old, bought an automobile to use in making his daily professional calls.

At Mont Parnassus, France, lives Dr. David, nephew of the great painter, David. When he reached his 101st year, still in active practice, he put a card in a local paper declining to further attend night calls.

The celebrated traveler and scientist Von Humboldt lived 90 years and continued to pursue his scientific researches and to publish the result of his investigations up to the year of his departure from this world.

The whole secret of life is to live, and to live is to carry on the work for which we were created. The active principle of life is performance; to do something in the order of creation, is our part in the great plan, to cease doing is to cease living. A mill will not long run with an empty hopper.

Whether the human race had a fixed period of existence in the beginning, we cannot say, we do not know. It is immaterial. We only know with the advance of civilization the laws that govern life and health have become fearfully abused, with results following. There is no way to develop muscle but by using it; the moment it is allowed to rest idly it wastes. The same is true with the mind. Nature is a rigid economist and does not furnish material to be wasted. But is there no limit to man's age? may be asked. Most truly so. We cannot give it, we do not know. But we do know of many instances, some of which we have noted, where men have been actively, usefully employed after the 100

year record. We knew too of many instances where strong, active young men have not reached their 40th year, because they were disobedient to nature's demands. It is a common error—a sad mistake men make when they live two or more years in one. Tension has its limit. When overdrawn the machinery of life soon becomes a disjointed wreck. The tension of mind or muscle should never be overtaxed, neither should they slacken. In either case the result is fatal. If the mind weakens a breakdown of man's natural powers will be the result. The other result is a breakdown through inertia, a polite term for laziness, a condition from which man rarely recovers, and one which never accompanies a green old age. If a man wishes to go through life with a firm, a manly step, he must never allow his energies to stagnate, which means to keep up and is the preventive of growing old.

Every man should have a hobby and ride it well; some line of thought that will keep the mind young; some interesting pastime that will make the day seem short instead of long. Avoid financial hobbies as you would a crime. Do not waste your time in trying to regulate God's ordinances; simply accept and respect them. Do not fret because of sunshine or storm, but rejoice and be happy in anticipation of the results that are sure to follow. If your desire is to grow old beautifully and transmit your virtues to those that are to follow you, you must at all times look upon the beautiful and good and turn a deaf ear to the evil and the false. What we are will be seen in our posterity in the generations that are to follow. The fruits we bear will be reproduced in them. The law of inheritance is binding, which means that like produces like.

Miss Mulor in an essay on growing old struck the keynote of the philosophy of the soul, as follows, "To grow old gracefully is a good, a beautiful thing; but to grow old worthily is a better; and the first effort to that end is to become reconciled to youth's departure; to have faith in the wisdom of that which we call change, but which in truth is progression; to follow openly and fearlessly, in ourselves and in our daily life the same law which makes Spring pass into Summer, Summer into Autumn and Autumn into Winter, preserving an especial beauty and fitness in each of the four."

To have something to do at all times, something to keep the mind constantly at work, ever bright and shining, is, and should be, the name of man's hope, the limit of his ambition. An active intellect, a mind that is ever at work will keep the body from rusting for a much longer period than is supposed possible.

Mother Nature is very fond of her active "old boys" and girls. She wreaths their brows with smiles, and sweet content is visible in their every feature. She, too, is very fond of us young people, more so than we are of ourselves. We poison the system with tobacco, and marvel at the loss of our physical powers, weakness of the stomach, heart and lungs, then cannot reconcile the results following.

Rosy cheeks and a clear skin at 80 come from health-giving food and drink, and absence from all unnatural stimulants. Exercise is a much better tonic than wine, and pure air is an elixir that gives to the brow the bloom of health that nicotine destroys.

Almost every man desires to die rich, which is highly commendable, as it is evidence of industry well applied, both of mind and body. Many, very many, fall out in the chase for the golden bauble of wealth before they reach the meridian of life. They live fast and die young. To live two days in one is to drop out at the noonday of life; they heed the warning when too late, and then realize how much better it would have been to have lived rich through moderation with true happiness for company, than to die rich in company with greed and gout.

One of the most pleasing reflections, and we may say one of the greatest blessings that cluster, like gems, around the human heart in life's twilight, is the desire for knowledge, which grows more active as our days grow less. We find there is so much to learn that the little we have acquired seems as nothing. It matters not how much we have learned, the desire is, "For light, more light still." There is always something new to learn, something to admire. The most familiar objects are at all times presenting new phases. The minerals and fossils speak to us beseechingly to admire their wondrous works. Those unknown tongues have a wonderful power of expression.

In every plant or tree there is always something new to admire—to love; and it is love that ennobles and beautifies the soul. What a blessing is the appreciation of gifts so freely bestowed, and to have them grow in splendor and profusion in life's glorious sunset.

My friends, it is not at all likely we shall ever meet together again, as friends and neighbors are wont to do. It matters not. The future is an unknown quantity. It is the eternal *now* that claims our attention, and permit me to say, as you are here to pay your respects to one who has lived beyond the usual period, that it is

not years alone that make one old, but conditions. Old is a relative term. It is not how many years we have lived, but how we have used them, that indicates age. A man may be old in good sound sense at thirty. He may be old and decrepit at sixty without an asset of wisdom to his credit. He is simply an old boy. To appear old at sixty, as a rule, indicates fast living; that we have trodden our steed beyond the measure of its strength. We have carried extra steam and strained the boiler. To get up an extra amount of mental or physical force we have used the spirit of the grain instead of the substance.

The ideal life is the one that has grown old beautifully—which means usefully—in doing that we will not grow old at all. The calendar may rate us old, but the vigor of manhood will deny the accusation, and show we are only ripening for the harvest.

In reality we will be young just as long as we live truly. The body may be rheumatic, it may need a staff for support; but the body is not the man, it is only a casket. The life is the man. Its active principles are love for all, justice to all, untiring industry along the lines of usefulness, and to the extent of our opportunities, to make our fellow beings happy.

To get the most out of this life we must live with others; that is, we must assimilate the food for thought given us by lives that have enriched the world. The poorest souls on earth are those that live in a golden casket of their own imagination.

A celebrated writer, I think Steele, said: "A healthy old fellow that is not a fool is the happiest creature living." Quite right. He should be having the experiences of life which have enabled him to become as cheerful as a May morning; with a memory free from regrets, a mind constantly growing richer, and free from the alloy of selfishness, he can enjoy his faculties in the highest degree of satisfaction. Having lived a life of usefulness his pleasures ripen with his years, and his life is now enriching the world. He can look upon the sunset of life and smile, as the sunset to him is but the sunrise to those that are to follow in the line of posterity.

If a man does not succeed in this life he should apologize to himself. He is captain of his own craft—the tiller is in his own hands. He can go with the tide and get wrecked, or he can beat up stream against wind and tide and make a successful voyage. His crest and shield should be the admonition of Elias Hicks, "None but live fish can swim up stream."

They tell us of a Heaven beyond—a life beautiful beyond compare, a most glorious hope—a fond anticipation—an abiding faith—a cheerful confidence and trust—a dwelling with the angels. I do not—cannot question any one's faith and trust. It is all right. But never mind the glory of the angels there, but live so here that the angels will delight in meeting you in whatever sphere you may reach. Our craft is here; we are living in the *Eternal Now*, where the best life is the most noble faith.

Should that life be renewed in some foreign clime, some distant shore—and I do not question the hope—we shall reach that haven precisely as we leave this. Our cargo of life's assets will remain unbroken. The virtues that adorn our characters here will be resplendent there. Upon life's scroll the good we have done will be recorded, and the evil will not be forgotten.

The question of faith and hope is one that every heart must settle for itself. Whatever may be our opinion, we should ever wear the smile of content. The approach of death should suggest flowers rather than the tomb; hope rather than fear, like poor Keats, who said upon his dying couch: "He already felt the daisies growing over him."

To look upon life's setting sun with a smile, to greet the messenger with the lily and the rose, is to depart as though life had been a glorious success, and not a pilgrimage through a vale of tears. Let your friends do the weeping; not for you, but because *they* have not lived on a plane sufficiently high, to overlook the dreaded valley, and behold the glorious sunlight beyond.

My friends, the thoughts presented you thus far were committed to paper some months ago, in anticipation of this occasion, and laid aside for careful consideration, and for any additional thoughts that might suggest themselves, pertinent to the time and place. Since then my mind has been occupied much of the time with more thought than could well be furnished with expression. Ofttimes our thoughts are not provided with pinions to carry them onward and upward to hearts ready to receive them. Many times we have found it difficult to retain them until a fitting opportunity presents itself to preserve them.

A somewhat serious illness for some days and weeks seemed to indicate doubts as to the present gathering of family and friends. While these indications were plainly manifest in the countenances of those near and dear, they did not in the least disturb me. The requirements of what I consider a true life—a living faith—prepare the mind to lay it down without fear or dread. During those hours, days and weeks, perfect content and calm resignation made the period of uncertainty regarding my recovery as cheerful and pleasant as the flowers in Springtime when nature is radiant with smiles and cheer.

Perfect confidence and trust in the Creator, with intense admiration of His every gift, was sufficient assurance that death is as essential as life, and as beautiful—perhaps more so—and that all would be well, no matter what the result might be. *That confidence, that faith, never for a moment weakened.* There was no dread, no fear or doubt, and never a moment when the "pale horse and its driver" would not have been welcome.

Permit me now, my friends, during these moments of repose and calm reflection to express a few of the thoughts that presented themselves during these hours of uncertainty.

Another year is drawing to a close, its months, its weeks, its days are already buried, only a few hours remain; these are rapidly passing. Not another day hath this year of my life. Tomorrow morning's sun will shine upon the face of a new year; my 80th will be completed.

Let us turn our eyes to the future, and bid farewell to the past and the passing. Farewell to its cares, to its burdens, to its troubles, its sorrows and its griefs. Farewell to its yearnings and aspirations, its struggles and its trials. They have gone and taken their shadows with them.

Good-bye old year; good-bye. You have left some unpleasant remembrances, but they will not be charged up against you. You gave us more sunshine than storm; more of the beautiful and good than of sorrow and regret. Whether the days that are to come will be many or few it matters not; whether they will come freighted with joy or sorrow, we cannot say—we do not know. That matter is largely in our own hands; our lives are what we make them.

We can go into Wall Street where the power for evil has no equal, and where its influence is as fatal as the fabled upas tree, which was death to all that came within its shade; we can attend the races as patrons of the bookmaker, and we can become infatuated with the gambling dens and the bar-rooms and soon become disjointed wrecks upon the sea of life; or we can make our homes in the palace of industry, in the library or school of useful knowledge and become pillars in the superstructure of our country's grandeur and usefulness, and when the curtain of life falls the mind will either be dwelling with the demonic or angelic influences, according to the manner of our lives. The goddess Luck, whether of good or evil will be the one we have nurtured in our hearts.

The story of angels and devils is not mythical, but vivid illustrations of the good or evil manifest in the hearts of men.

The choice is ours. We cannot shrink the responsibilities the mistakes in life entail, and the good we do will follow us. The law of inheritance is imperative.

And now, with thanks beyond my power of expression for kindness shown and hope expressed; for the prayers offered and tears shed, for the good wishes that ever find a warm and cozy corner in my heart, I am most truly thankful. Again we say with joy and gladness: Farewell, old year—*Farewell!* That it may cast its mantle upon the new is my desire—my hope.

June 12, 1908. C. L. ALLEN.

Opening of the Clubhouse of the Florists' Gun and Fishing Club at Waretown, N. J.

Among Those Present

The season of 1908, of the Club heading these notes, was opened on Friday, June 19, Commodore John Westcott in full charge, with the names of the following, who assisted, appearing in the Log Book:

Robert Craig, George Redford, William B. Westcott, G. Cooper Watson, *William K. Harris, *Robert Kift, Alexander Craig Patterson, **Edwin Lonsdale, George Anderson, George Craig, **John Burton, David Rust, *S. S. Pennock, Charles H. Eimerman, John W. Dunham and Daniel C. Donaghue, all of Philadelphia; P. Joseph Lynch, West Grove, Pa.; Richard Lynex, Atlantic City, N. J.; **John N. May, Summit, N. J.; **W. J. Stewart and Colonel W. W. Castle, Boston, Mass., all of whom are members, with the exception of the last named, of the Florists' Club of Philadelphia, and six of those named and marked thus (*) have held office as president of said club, while those marked () are ex-presidents of the National Society of American Florists.

Richard Lynex was long identified with the retail florists in Philadelphia and some other cities. He was the only "wire-worker," for a number of years, in the Quaker City, and it was his delight to remind them "that he made the designs; all that the florists had to do was to just scatter a few flowers through them." He has long since retired from active business, and he is now spending the remaining years of an industrious life at Atlantic City. He has long since passed the Biblical allotted three score and ten years of life and is rapidly approaching his 86th or 87th birthday and he has, most assuredly, mastered the problem of growing old gracefully.

William K. Harris, I believe, the next in line as to length of time he has occupied a prominent place on the "mainland" sphere. His seventieth birthday was passed and appropriately celebrated last Winter, and his intellect is as keen and as bright as it ever was. Brighter in fact, because he can now see things as they are better and clearer than ever. Did it ever occur to my readers, that it is only vouchsafed to a very few people to be able to see things as they *actually* are?

I had the great pleasure of a quiet chat with Mr. Harris while ashore. We preferred to talk in the open, while the other part of the party took a sail, filling their lungs with ozone, meanwhile Commodore Westcott and ex-Presidents of the S. A. F., John N. May and John Burton, were exercising their most seductive wiles trying to secure the "bait" which never came.

To return to Wm. K. Harris, who takes much satisfaction in thinking over what ought to be, he made up his mind that either the government of the United States, or the State authorities, should take hold of forestry in its broadest sense; all waste lands along the New Jersey coast and of course, elsewhere wherever available, and plant to trees, trees that have proven to be the most suitable

for the given location, and—here is where William K. shows wisdom instead of training soldiers, train foresters, thus teach them how to produce and not how to destroy. The reason Mr. Harris advocates that the State or the Nation buy up land for forestry purposes is because life is too short for individuals to realize adequately on so great an undertaking. Another thought Mr. Harris gave vent to, was, that if he were thirty years younger, he would, with his present knowledge, not hesitate to go into the growing of azaleas right here in the soil as found, less than half a mile from the shores of Barnegat Bay where exists peat in abundance, of apparently the most approved texture. Land being comparatively cheap, he would plant sufficiently wide apart to allow of loose cultivation, and, by improved methods of watering, either irrigation or the best forms of the newer sprinkling devices, and he thus could successfully compete with the cheaper labor as prevailing in Europe.

Greenhouses would have to be erected in which to propagate stock, and in which the plants would have to be cared for during the Winter season, and all the heat that would have to be provided for in the latter structures need only be enough to keep out frost, say 35 degrees during the very coldest weather. These last named provisions apply only to those varieties of azaleas known as the Indian or Chinese.

Mr. Harris also stated that a young man could not go wrong if he made a specialty of the com-

mon variety of American azaleas, the characteristic of America in its growth, the greatest difference being in the colors of the leaves, which are crimson when those of the better known America are inclined to be of a somewhat tint. Mr. Harris has also found some differences in favor of America in point of hardiness. This variety would come through some Winter without loss, then again in other Winter a part of a plant would sometimes succumb. He believes that in the milder climate, a found near the shore, and when grown in position, sheltered from cutting winds, this variety would be found to be quite hardy. It is not as a plant for the open air, however, that Mr. Harris is considering this valuable azalea, but to be used exclusively for forcing purposes. It blooms so freely, and its coloring is so bright and cheerful, that it will be a favorite, for the purpose indicated, for many years to come.

Mr. Harris is decidedly optimistic in his views on the future of both culture. All that a young man need to be successful in the same as a profession, is, to possess strict integrity, correct business instincts, a business training, and to know just when

A Beginner's Qualifications



Groups of Specimen Plants of Roses in Flower at the Temple Show of the Royal Horticultural Society, London, June, 1908.

The plants were grown and exhibited by Messrs. Hugh Low & Co., Bush Hill Park, Middlesex, Eng.

to drop a thing before it becomes unprofitable to grow.

John N. May had something to say about milder on roses in general, and on Killarney in particular, and George C. Watson says there is a white variety of the crimson clover. The chief of the Dinger & Conrad Company, Captain Lynch, says his firm has a new rose with the same parentage as that given for Wyndmoor, namely, American Beauty-Saturne, and which is thought so much of that it has been named President Roosevelt, also, that they have a new variety, as yet unnamed, having as its parents, Maman Cochet and Heloise, the flowers of which are unusually large, superior in form and of which he is hopeful of creating a great sensation when the same is introduced to the public.

S. S. Pennock, David Rust and George Anderson returned home on the afternoon of Friday, after taking part in the opening ceremonies. Upon the arrival of the New York train, later in the day, with Messrs. W. J. Stewart, John N. May, and Colonel Castle, the sad news of the sudden death of Einar Alexander Wallace of The Florists' Exchange, was made known, and it cast a gloom over all those who were present. Mr. Wallace was held in high esteem by all those who had the privilege of his acquaintance. Everyone had a kind word to say of him and his work and a felt keenly the loss horticulture has sustained by his untimely end. May his soul rest in peace!

Roses and Crimson Clover

Edwin Lonsdale

FOUNDED IN 1888



Weekly Medium of Interchange for Florists, Nurserymen
Seedsmen and the Trade in General

Exclusively a Trade Paper.

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Alexander Wallace.

To all who, either in person, by letter, or in silent thought, have made their tribute to the memory of our late editor and associate, Alexander Wallace, we extend our thanks and our appreciation.

Human life is the most complex of all propositions. That one of its ordinations which decrees mortals must pass through fires (deep trials) before they can prove their standing on the plane of humanity, to the superficial mind may seem a qualification and a probing uncalled for; to those who have had the experience it is an absolute truth; for the height of human sympathy is to be appreciated only through the shafts of affliction.

The comforting words, the evidences of brotherly affection which have this week reached us from all sources, and the unseen, yet visibly-felt sympathy of others, will all help soothe the path through life which the widow must henceforward tread alone; to his most intimate friends and to those who were so closely related through daily association and business ties, the feeling of personal bereavement loses some of its bitterness in the knowledge that others, too, are grieving with them.

All honor to the memory of Alexander Wallace. The world is made better through the lives of men of his stamp. We drop the tear of sorrow on his grave, but engraved deep in our hearts, and so long as life shall last, will we endeavor to carry his image, the record of his deeds and, most lasting, the remembrance of his sympathetic nature, for it was this claim to a brotherly love which constituted the strongest tie that bound him to his friends.

AMERICAN SEED TRADE ASSOCIATION

REPORT OF THE TWENTY-SIXTH ANNUAL CONVENTION AT DETROIT, MICH., JUNE 23, 24, 25, 1908

Officers Elected For 1908-1909.

President—Watson S. Woodruff, Orange, Conn.
First Vice-President—J. C. Robinson, Waterloo, Neb.
Second Vice-President—Marshall H. Duryea, N. Y.
Secretary-Treasurer—C. E. Kendel, Cleveland, O.
Asst. Secretary—Leonard H. Vaughan, Chicago, Ill.
Executive Committee—Geo. S. Green, Chas. Dickinson, Howard Earl, Chas. N. Page, S. F. Willard.
Membership Committee—Albert McCullough, Leonard H. Vaughan, F. W. Bolziano.

Opening Session Tuesday, June 23.

The sessions were held at the Hotel Pontchartrain, Detroit, Mich., commencing June 23, 1908, and the seed trade was well represented. The convention was called to order by President George S. Green of Chicago.

In the absence of the mayor, there being nine conventions running in Detroit this week, his place was taken by City Controller F. E. Doremus, who made a happy speech of welcome, and was responded to by ex-President S. F. Willard, of Wethersfield, Conn.

The President's Address.

President Green, in the delivery of his address, congratulated the seedsmen on their sound condition generally, in spite of unfavorable influences resulting from the tight money market during the past six months, and hoped that the efforts being made to improve the currency system would result favorably, so that the business men shall not have to suffer for the blunders of others. The total volume of business in the seed trade during the past year has been large, and the demand for high-grade goods encouraging. He called attention to the necessity for being prepared to intelligently advise Congress, in the event that renewed tariff agitation shall come up, and endorsed the recommendation of his predecessor in office, Henry W. Wood, of Richmond, Va., as to the desirability of specific rather than ad valorem duties.

In line with the liberal policy now in vogue for the impounding of flood waters and irrigation of desert lands, and swamp lands reclamation, he recommended the continuance of the past policy of sending a delegate to the National Irrigation Congress.

President Green referred, in feeling terms, to the decrease within the past year of Messrs. Everett B. Clark, of Milford, Conn., a charter member of the Association and one of its ex-presidents; of Alfred Plant, president of the Plant Seed Company, one of the pioneer seed merchants of the West, and of D. M. Ferry, of Detroit, Mich., whose firm, while not a member for many years, occupied a prominent position in the trade. At the suggestion of the president, Messrs. W. H. Grenell, J. C. Robinson and and E. L. Page, were appointed an Obituary Committee to report suitable resolutions of sympathy and condolence.

President Green deplored the fact that more progress has not been had in extending the use of the central system. He called attention to the praiseworthy labors of Secretary C. E. Kendel in preparing a full index to all the past proceedings of the association, so that it is now possible to refer to any paper or report read at the conventions during the past twenty-five years. Printed copies of this index were distributed.

Mann Pure Seed Bill.

Attention was called to the introduction into the House of Representatives of H. R. Bill 13835, known as the Mann Pure Seed Bill which, while drafted with the best intentions, has seemed to cause serious alarm to legitimate business interests. At the instance of President Green, after the bill had progressed to a certain stage as explained by him, a representative meeting of seedsmen was called by him and held at Chicago on April 10 last, when the proposed bill was thoroughly discussed, and many suggestions for desirable changes formulated. Messrs. J. C. Vaughan, C. N. Page, Chas. Dickinson, W. P. Stokes and Jerome B. Rice were named as a committee to represent the seed trade at the hearing at Washington before the Interstate and Foreign Commerce Committee on April 21. Of this committee Mr. Green was chairman. In addition to the members of the committee above named the following gentlemen presented arguments: Alex. Forbes of Peter Henderson & Company, Curtis Nye Smith of Jos. Beck & Sons Corporation, S. F. Willard of Comstock, Ferre & Company, E. V. Hallock, Queens, N. Y.; and among others in attendance were F. W. Bolziano, Washington, D. C., E. C. Dunagan of Wm. Henry Maule, Philadelphia, Pa., H. L. Holmes, Harrisburg, Pa., and J. M. Lupton, of Mattituck, N. Y. At the close of the hear-

ing the assurance was given that no further action would be taken upon the bill at that session of Congress, and that the arguments presented by the seedsmen, together with letters received by Mr. Mann, would be made a part of the records of the committee. President Green paid a high tribute to the authorities in Washington for the courtesy and fairness shown by them to the seed interests, the arguments presented being heard with patience, and ample time given, and no evidence exhibited in any quarter of any intention to injure the seedsmen as a class. A full account of the hearing, as embodied in a public document, was mailed to all members of the association at President Green's suggestion. Although many modifications, as suggested at the hearing, are before the committee, as yet none of these have been formally incorporated in the pending bill which is, therefore, liable to be again brought up without any modification whatsoever; it is believed, however, that Mr. Mann has been sufficiently enlightened, so that he will ask that the bill be again referred to the committee, and that important changes will be made in it before it is submitted to the House of Representatives. In further commenting upon this whole matter President Green took occasion to express his personal belief that it would be unwise for seedsmen, as a class, to oppose all regulation, as thereby they would lose an opportunity of which they might otherwise avail, of assisting in shaping a law that will be helpful rather than hurtful to honest dealers, as well as highly beneficial to the agricultural interests of our country. He further believed that a shortsighted policy of radical opposition to all regulation would simply react in precipitating conflicting State laws that would seriously cripple interstate business; whereas a well-wordsed, just and effective Federal law would serve as a model for State laws, which could easily be framed to conform to its conditions and thus restrict interstate business but slightly. President Green thinks that National legislation to prevent importation of seeds used solely as adulterants, and of low-grade seed containing a large percentage of weed seeds, and to correct other abuses in the trade, is inevitable. It is in line with the present policies to which the American people have been committed. He urged the wisdom of harmoniously co-operating with the Washington authorities, adding practical business experience to their technical and legal knowledge to the end that we may secure wise and conservative legislation that will protect all interests alike and injury none. Anything which will prevent the growth of mushroom and unscrupulous competition is a help to the honest and legitimate dealer.

President Green then gave his reasons in detail, for opposing the Mann bill in its present form, and, at his suggestion, an executive session of the association was held Tuesday night in which the arguments pro and con were threshed out. His conclusion was that a law covering a new and untried field should only be aimed at flagrant, willful and deliberate wrongdoing and should not contain provisions tending to hamper and disorganize a highly useful and necessary business.

In closing, President Green complimented and returned his thanks to the Executive Committee and other officers of the association, and predicted that it would continue to prosper along the lines of greatest usefulness.

On motion of Mr. Page, of Iowa, the president's address was referred to a special committee of three: Messrs. Willard, Duryea, and May.

Miscellaneous Business.

The report of the delegates to the National Irrigation Congress was read by Secretary Kendel and, on motion of Mr. J. E. Northrup, the president was authorized to appoint a delegate to the next N. I. Congress to represent the American Seed Trade Association there.

A communication was read from Mr. Alex. Forbes of Peter Henderson & Company, N. Y., stating that nothing had been done of any practical moment by either the Committee on Congressional Free Seed Distribution, or the Committee on Proprietary Rights in Names of Plants and Seeds, which was recently established to act in conjunction with a like committee from the Wholesale Seedsmen's League.

The Committee on Code Revision recommended that no radical action be taken at this time until after the conclusion of the agitation respecting pure seed legislation and, on motion, the incoming president was requested to re-arrange the personnel of the committee, so as to have it include equal representation from grass seed, garden seed and flower seed interests. The committee was continued under that understanding.

On motion of Mr. C. F. Wood, after some discussion,

a resolution was adopted favoring the adoption by the Government of a reasonable parcels post system. Mr. Albert McCullough opposed any endorsement of the parcels post. Those speaking in the affirmative were Messrs. Holmes, Buckbee, Woodruff and others.

Tuesday Afternoon Session.

At this session papers were read by the following: Dr. W. W. Tracy: Theoretical and Practical Seed Breeding; C. B. Smith: Farm Practice Investigations in Clover Seed Production; C. N. Keeney: The Effect of Low Prices on the Production of High Grade Stocks; Albert McCullough: Fire Insurance. This latter paper was quite generally discussed and, as an outgrowth thereof a Standing Committee on Insurance was authorized to be appointed by the president.

The report of the delegates to the National Council of Horticulture was read by Secretary Kendel, and evidences given of the successful work of this institution. A motion was adopted contributing \$200 to further the aims of the National Council of Horticulture and to continue the work of the press bureau in the interest of the seed trade. A resolution was also adopted authorizing the secretary to print, in the next annual report of the association, the proceedings of the Congress of Horticulture.

W. D. Ross, chairman of the committee on Experiment Stations, submitted his report, stating that the duties and responsibilities of these stations have been materially broadened and increased as the result of the Adams Act, passed March 16, 1906. The work carried on by Prof. Geo. E. Stone, of the Amherst, Mass., station was complimented, as shown by Bulletin 151, published February, 1908. Tobacco and onion are the two principal seeds that have received especial attention, and this bulletin also gives the result of his experimenting in seed separation and should be read by all seed growers. The Connecticut Station at Storrs is carrying on an extensive variety test with vegetables and will shortly issue bulletins on garden and field beans; they are also engaged in bean breeding with especial reference to heredity. Dr. C. D. Jarvis is organizing a Plant Breeders' Association and wants to induce all Connecticut growers to join. New Hampshire Station is interested in improvement of strains and varieties of vegetables by selection and hand-crossing and urges careful testing of all novelties. The report closes with a comment upon the Maine law which, the writer thinks, is but as efficient as the Maine liquor law.

The Committee on Postal Laws, etc., Chas. N. Page, chairman, then submitted a report.

Wednesday Morning Session.

The Committee on Fire Insurance reported a resolution offering to co-operate with the underwriters by furnishing experts from the seed trade to assist in appraising losses. The motion was adopted.

Obituary resolutions were passed on the death of Everett B. Clark, D. M. Ferry and Albert Plant.

Dick J. Crosby, agricultural educational expert, presented the views of the Committee on Horticultural Education appointed at the last meeting of the National Council of Horticulture at Norfolk. He outlined a four years' course in horticulture for high schools in order to meet the requirements of university admission; also a two years' practical horticultural course to prepare young men who work along commercial horticultural lines.

Mr. E. C. Dungan, of Wm. Henry Maule, Philadelphia, Pa., read his paper entitled

What Effect Does a Commercial Depression have on the Garden Seed Business.

The principal point made by the writer was that hard times give additional business to seedsmen through stimulating garden work. The paper contained a symposium of the opinion of the following seedsmen and firms: C. C. Morse & Co., T. Lee Adams, Barteldes Seed Co., Oscar H. Will & Co., F. G. Johnson, S. M. Isbell & Co., L. L. Olds Seed Co., John A. Salzer Seed Co., Northrup, King & Co., Otto Schwill & Co., Alexander Seed Co., T. W. Wood & Sons, J. Stecker Seed Co., F. W. Bolgiano & Co., Peter Henderson & Co., J. M. Thorburn & Co., The Page Seed Co., F. H. Ebeling, The Frank S. Platt Co., Comstock, Ferre & Co., W. W. Rawson & Co., Jos. Breck & Sons, Holmes Seed Co., Walter P. Stokes, W. Atlee Burpee & Co., S. D. Woodruff & Sons, Vaughan's Seed Store, Jerome B. Rice Seed Co. and Mandeville & King Co. The opinion of Wm. Henry Maule concludes the symposium with the argument that a commercial depression has a beneficial effect on the seed trade, adding many names to the ranks of seed buyers and planters.

The Use of Forage Plants as Soil Improvers.

Under this heading, and speaking for "In the North," Mr. J. E. Northrup, of Northrup, King & Co., of Minneapolis, said, in part: Millet grown on new land for hay is a soil improver but, grown on old land, for seed, it is just the contrary. Forage crops are good or bad ac-

ording as used in rotation. The manner of harvesting is an important factor. In the Northwest, sheep, cattle and swine are turned into the fields to harvest the crops, thus saving labor and fertilizer. Field corn in the Northwest is becoming a standard crop; here superior quantity and quality of the forage gives a substitute for Summer fallow. Wheat on corn land made twenty-five bushels at the North Dakota trial station, where the crop from land sown continuously in wheat for seven or ten years was less than three bushels to the acre. Corn grown on semi-arid lands prepares for the succeeding crop equal to Summer fallows alternate years. Entering farmers sow rape or clover with corn and pastures with sheep or cattle until they are fit for the flock.

Clovers take the second place as forage, but are equal to corn as soil improvers. The best results are obtainable from corn and clover in short rotations with small grains. The introduction of clovers in the prairie soils of the Northwest has restored fertility and surprisingly increased the value of farming lands, as it draws potash and phosphoric acid from the subsoil.

Field peas are becoming another standard forage crop of the North. Oats and peas in mixed crop form an excellent substitute for clover hay, and the acreage thereof is largely increasing. Large narrowfat peas are being planted to destroy the growth of quack grass, Canada thistle, etc. Fodder corn, millet and sorghum are also grown for the same purpose. Millets are used extensively in rotation with small grains where clover does not succeed; these improve the condition of new soils and produce large wheat yields. Sorghum is taking a permanent place as a forage crop of the North. It yields abundantly of a sweet and nutritious forage that is superior to the Southern varieties of fodder corn. It is sowed in drills with spaces between the rows. One bushel of seed per acre is required to make small leafy stalks and, when pastured with sheep or swine, it is a soil improver. Dwarf Essex rape is another standard forage crop of the Northwest; many tons of seed are annually sown with small grains, making a splendid after-feed on stubble fields. It is also grown amongst corn sown at the time of last cultivation.

When pastured, sheep will fatten on the plants producing cheaply a catch crop of value to stockmen. It is also used as a cover crop in orchards where root-killing trees prevail; also on soils inclined to drift in wind or to wash from heavy rains. Root crops are not grown as extensively as they should be on account of cost of harvest and storage. If pastured during Fall and early Winter months considerable fertility is restored to the soil and the expense of harvesting eliminated. The cultivation of soil for root crops results in larger after-yields of cereals. Pasture grasses should be included in all crop rotations; these provide root-binding properties and give fertility to the soil. Vetches, turnips, kohlrabi and non-sacharin sorghum are sometimes grown for forage in the Northwest, but not yet over large areas.

A paper on the same subject was then read by Mr. Henry W. Wood, of T. W. Wood & Sons, Richmond, Va., covering, "In the South." Mr. Wood recommends crimson clover and cow peas, also soja beans, as Southern soil improvers for this section. Mr. Barnes recommended sorghum highly as a forage plant for northern New York and Vermont.

Wednesday Afternoon Session

Disclaimer Discussion.

The greater part of Wednesday afternoon was devoted to a discussion on the resolutions proposed by Mr. Leonard H. Vaughan of Chicago, which were adopted. These urged the discontinuance of any indefiniteness in the wording used by seedsmen, and insists that all members stand by the official disclaimer, using it on letters, bill heads, catalogues, containers, order sheets, etc. Mr. Vaughan also gave an interesting paper on the legal aspects of the disclaimer, and was followed by Mr. S. F. Willard who, recounting the past history of its use by the society, upheld its continuance in all cases. Albert McCullough related an instance where the disclaimer was very valuable as a preventive of lawsuits. Mr. Briggs, of Toronto, followed in the same vein, advocating strongly that source of seed should be held to as strict accountability as possible; no honorable seedsmen would stand absolutely upon his protection under the non-guaranty clause if he knew the seed was faulty. Growers should exercise the greatest caution. Messrs. Ebeling and Schisler related instances of fraudulent attempts on the part of buyers, where not deserving to be reimbursed. Mr. Page of New York advocated a liberality in adjusting claims even where the non-guaranty clause had been used; Mr. Robertson advocated the same policy. Mr. Parmale thought that the whole burden should not fall on the grower, for the latter has no one to fall back upon.

Mr. Vaughan read a Government report, showing as many as sixty different styles of disclaimers in use by as many seedsmen. On motion of Mr. Charles M. Page, the secretary was directed to send out a special circular, calling attention to the desirability of all members using a uniform disclaimer.

Place of Next Meeting.

Atlantic City, Put in Bay, and Portland, O. are tendered invitations for the next convention.

Foreign Pure Seed Laws.

A communication was read from Joseph Barenbrug, of Barenbrug, Burgers & Co., Arnhem, of Holland, giving an abstract on the pure seed laws in foreign countries.

The Banquet.

A most enjoyable banquet, held at the Hotel Pontchartrain, and tendered by the local seedsmen, was participated in by the members of the association on Wednesday evening, June 24. Mr. J. E. Northrup acting as toastmaster. The speakers were: President George S. Green, Philip Breitmeyer, L. L. May, Wm. S. Farrell, Watson S. Woodruff, Leonard H. Vaughan, Chas. N. Page, H. W. Wood, H. M. Carmody, L. Bolgiano, C. E. Kendel, S. F. Willard, Fred. Plant, J. C. Robertson, Frank White, J. C. Vaughan and Wm. Stecker.

Notes.

Mr. Albert McCullough will, with his family, leave directly from the meeting for London, England.

Messrs. D. M. Ferry & Co. tendered to the members and their guests a boat ride on Thursday afternoon, and also an invitation to visit their trial grounds on Wednesday morning.

Visiting ladies are being shown special courtesies.

The Following New Names Were Proposed for Membership:

Southern Fruit Co., Charleston, S. C.
American Seed Company, Detroit, Mich.
Robt. C. Reeves Company, New York, N. Y.
Stuopp & Walter Company, New York, N. Y.
Western Seed & Irrigation Company, Fremont, Neb.
Jas. J. H. Gregory & Son, Marblehead, Mass.
German Nursery & Seed House, Beatrice, Neb.
J. Howard Hiss of W. A. Simpson & Co., Baltimore, Md.
The Ross Seed Co., Louisville, Ky.
Agnew Seed Co., Greeley, Col.
Oliver J. Barnes, Malone, N. Y.
Bromfield & Colvin, Bay City, Mich.
Arthur T. Boddington, New York, N. Y.
Chesmore Eastlake Mercantile Co., St. Joseph, Mo.

Among the Members Present:

George S. Green, Chicago, Ill.
Marshall H. Duryea, New York, N. Y.
F. W. Bolgiano, Washington, D. C.
C. E. Kendel, Cleveland, O.
Leonard H. Vaughan, Chicago, Ill.
Henry W. Wood, Richmond, Va.
C. S. Burge, Toledo, O.
Chas. N. Page, Des Moines, Ia.
Watson S. Woodruff, Orange, Conn.
Albert McCullough, Cincinnati, O.
S. F. Willard, Wethersfield, Conn.
Dr. W. W. Tracy, Dept. of Agriculture, Washington, D. C.
C. B. Smith, U. S. Department of Agriculture, Washington, D. C.
J. E. Northrup, Minneapolis, Minn.
E. C. Dungan, Philadelphia, Pa.
R. J. Crosby, Department of Agriculture, Washington, D. C.
C. N. Keeney, LeRoy, N. Y.
Geo. H. Atkinson, of Stokes Seed Store, Philadelphia, Pa.
Francis Brill, Hempstead, L. I.
The Brown Bag Filling Machine Co., Fitchburg, Mass.
John J. Buffington, Baltimore, Md.
O. J. Barnes, Malone, N. Y.
Bromfield & Colvin, Bay City, Mich.
F. M. Clark, of Everett B. Clark Seed Co., Milford, Conn.
C. Herbert Coy, of Coy Seed Co., Valley, Neb.
A. Currie, Jr., of Currie Bros. Co., Milwaukee, Wis.
Theo. Cobb, of D. M. Ferry & Co., Detroit, Mich.
C. B. Coe, of H. M. Perry & Co., Detroit, Mich.
Adolph Cornell, of Schisler-Cornell Seed Co., St. Louis, Mo.
Edward C. Dungan, of Wm. Henry Maule, Philadelphia, Pa.
H. B. Fish, of Henry Fish, Carpinteria, Cal.
J. H. Ford, of Ford Seed Co., Ravenna, O.
H. E. Fiske, Seed Co., Boston, Mass.
J. J. H. Gregory, Marblehead, Mass.
Jerome B. Rice, Chicago, Ill.
Chas. P. Guelph, of Jerome B. Rice Seed Co., Chicago, Ill.
W. H. Greenel, Saginaw, Mich.
A. D. Hutton, of The Albert Dickinson Co., Chicago, Ill.
Chas. D. Boyle, Secretary the Albert Dickinson Co., Chicago, Ill.
G. N. Davis, of the Albert Dickinson Co., Chicago, Ill.
Arthur H. Goldsmith, of John Lewis Childs, Floral Park, N. Y.
F. H. Huyck, of the Illinois Seed Co., Chicago, Ill.
J. Wm. Jefferson, of National Seed Co., Louisville, Ky.
H. B. Johns, Millington, Mich.
Sioux City Seed Co., Sioux City, Ia.
Fred. B. King, of Mandeville, King & Co., Rochester, N. Y.
Wm. Koelr, of Fanner Seed Co., Fairbault, Minn.
Geo. A. Kreschuh, of Toledo Field Seed Co., Toledo, O.
Kirkby & Gundstrup Seed Co., Chicago, Ill.
Arthur H. Luck, of German Nurseries, Beatrice, Neb.
Andrew McMeans, of Ontario Agricultural College, Guelph, Ont.
J. S. Michael, of Sioux City Seed & Nursery Co., Sioux City, Ia.
L. Harry Mixson, of Southern Fruit Co., Charleston, S. C.
W. D. Murray, of Springfield Seed Co., Springfield, Mo.
J. W. May, Alexandria, Va.
Edwin B. Northrup, St. Paul, Minn.
S. A. Wilson, of L. L. Olds Seed Co., Clinton, W. Va.
Geo. H. Parvin, of the J. M. McCullough's Sons Co., Cincinnati, O.

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The American Peony Association.

Annual Meeting at Ithaca, N. Y.

The annual meeting and exhibition of the American Peony Association was held in rooms of the Department of Agriculture, New York State Agricultural College building, Ithaca, N. Y., June 19 and 20. The exhibition was small, due to the lateness of the season. The date for the meeting was set at such a time when the trial plots in Ithaca should be at their best. While the trial grounds were one mass of bloom, the season for most of the growers had been past by a week or ten days. Therefore, a large percentage of the flowers staged were cut in Ithaca. Two outside growers, however, made a very creditable showing; Prof. Saunders of Clinton, N. Y., and T. C. Thurlow & Company of Newbury, Mass., both sent large consignments.

After the exhibition had been studied by the members, the regular business meeting was called at 3 p. m. in the Horticulture Lecture room by Secretary Fewkes in the absence of President Ward, and Vice-President Peterson.

Mr. E. A. Reeves was elected chairman of the meeting. The minutes of the last meeting was read and approved.

Mr. R. T. Brown, representing the Cottage Gardens Company, spoke on behalf of Mr. C. W. Ward. He explained that Mr. Ward was unavoidably detained in the West on a pressing business trip, and regretted greatly he could not be present at the meeting.

Report of the Secretary for 1908.

The present membership of the society is 49, not including four honorary members. It is gratifying to note that the membership is steadily increasing, slowly to be sure, but in a substantial manner. Those who have dropped out are few and greatly overbalanced by the new members who are annually admitted.

Since the last meeting the work of the society has been progressing. The Committee on Diseases has sent out a large number of inquiries, which have brought out much information, but which has not as yet been reduced to an orderly condition.

The Nomenclature Committee has the result of the work done by Mr. Coit last Summer, in the press, in the form of a bulletin, which will be issued shortly.

The secretary has the proceedings of the society for the five years, from 1903-1907, inclusive, in the hands of the printers.

In response to the circulars sent out by Prof. Craig last July in regard to forming a supplementary test collection, a large number of roots were sent in and were planted in accordance with the expressed wishes of the society. These, as well as the older collection, were topped with stable manure in the Fall, which served as a mulch last Winter.

The exhibition held during the meeting last June was somewhat disappointing, owing principally to the lack of growers in the immediate vicinity of Ithaca, and the dates being unfavorable to those at a distance. However, the Cottage Gardens, Queens, N. Y., made a very creditable display. There were also displays from Ellwanger and Barry, S. G. Harris, Geo. Hollis, Prof. A. P. Saunders and F. C. Walcott. These, while not so extensive as the first, added materially to the show.

In regard to the diseases of the peony, we cannot be too watchful or too persistent in our endeavors to learn all that can be found out about their nature and means of prevention. To the commercial man the matter is not of a directly serious nature, but to the amateurs and indirectly the commercial man it is most serious.

I have in mind a peony garden near Boston, which was stocked with many rare and choice varieties. Many of the plants had reached their third and fourth years and were fine, large specimens. During last Summer the wilt and black rot attacked many of them, causing much loss and distress to the owners. In the Fall large roots were dug up, which were completely destroyed. This is but one instance. There are many others who are sufferers and so situated that they cannot change their plants to new ground but must either give up growing the peony or find some means of checking or preventing the spread of these diseases.

The report was adopted.

The Disease Committee.

A letter was read from Prof. Whetzel saying that conditions over which he had no control made it impossible to attend the meeting. However, he assured the association that he was hard at work on peony diseases and expected to be able to publish results soon.

The Trial Plot.

A general discussion followed with reference to the present trial plot. While all agreed that the plants looked as well as could be expected under the existing conditions, general regret was expressed that the land could not be more properly drained.

A motion was made and carried to change the price of check list from \$5.00 to \$2.00.

Meeting Place for 1909.

The selection of a meeting place for 1909 was discussed. A letter was read from the Minnesota Horticultural Society inviting the Association to hold their next annual exhibition at the Minnesota State Fair grounds between the twin cities.

Mr. Brown, by request of Mr. Ward, invited the Association to hold its next meeting at Cottage Gardens, Queens, N. Y.

After a lengthy debate, it was decided that better work could probably be done in regard to straightening the nomenclature if the meeting were held at Cottage Gardens rather than in a more remote place from the peony centers.

It was moved and unanimously voted to accept Mr. Ward's kind invitation.

List of Awards.

Largest and best collection of varieties, one flower of each: 1st, T. C. Thurlow & Company.

Best 50 blooms, dark pink or rose: 2d, T. C. Thurlow & Company.

Best 50 blooms, flesh or salmon pink (Baroness Schroeder): 2d, T. C. Thurlow & Company.

Best 50 blooms, crimson: 1st (Marochal Valliant), T. C. Thurlow & Company.

AMATEUR CLASSES.

Collection of not less than 12 varieties, one of each: 2d, Prof. A. P. Saunders.

Best and largest collection of white varieties, one bloom of each variety: 2d, A. P. Saunders.

Best collection of rose-pink varieties, one bloom each: 1st, A. P. Saunders.

Best collection of salmon-pink varieties, one bloom of each variety: 1st, A. P. Saunders.

Best collection of tricolored varieties, one bloom of each: 2d, A. P. Saunders.

Best collection of crimson varieties, one bloom of each: 1st, A. P. Saunders.

Best six blooms of any variety: 1st, A. P. Saunders.

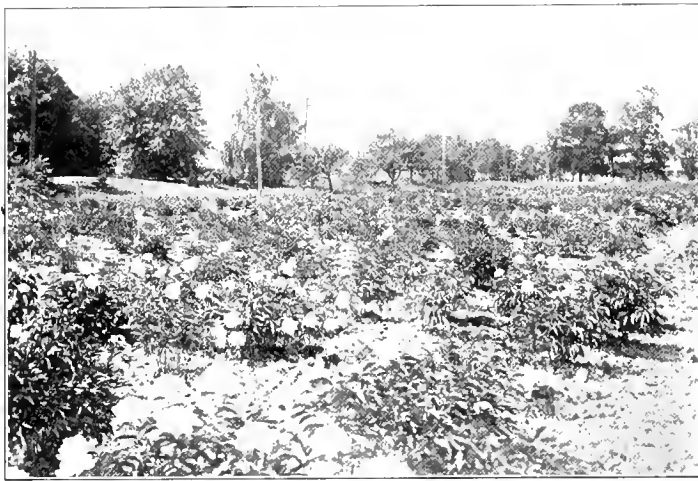
CLUB AND SOCIETY DOINGS

MASSACHUSETTS ROSE AND STRAWBERRY SHOW.—Flower lovers of Boston had another grand treat on Saturday and Sunday when the rose and strawberry exhibition of the Massachusetts Horticultural Society was held. The main hall and the small side hall were each filled with many fine exhibits. In the rose collections the varieties Frau Karl Druschki and Mrs. R. G. Sharman-Crawford were much in evidence and their delightful colors were pleasing to every one. A feature of the exhibition was the collection of water lilies from the Harvard Botanic Gardens. R. & J. Farquhar & Company had a very fine table of Spanish irises, the color arrangements being fine. A bronze medal was awarded this exhibit. A table of a new *Campannula perisifolia* from the Blue Hills Nursery was a striking exhibit and Mr. Heurlin was awarded a first class certificate for it. Honorable mentions were made of the peony display of T. C. Thurlow & Company, of the peony display of George Hollis, of the display of herbaceous flowers of R. & J. Farquhar & Company and of rose Ruby King of Frederic J. Rea.

Other notable exhibits were the collections of herbaceous flowers from the Bellevue Greenhouses, from Frederic J. Rea and from Mrs. E. M. Gill. The rose displays from Miss Sarah B. Fay, William Riggs, J. G. Wright, Col. Fred. Mason and W. J. Clemson were very fine. In the prize collections, Miss Sarah B. Fay and W. J. Clemson were the winners for roses. The Blue Hills Nurseries carried off all the prizes for herbaceous flowers. William Whitman and Mrs. J. L. Gardner took the prizes for delphiniums, and also for Canterbury Bells.

There was an excellent exhibition of strawberries, some of the newer varieties being exceedingly fine. Vegetables, too, were very creditable, the chief feature being Farquhar's new tomato from William Downs, which received a first class certificate of merit.

J. W. D.



A Portion of the Peony Plot in Full Bloom on the Trial Grounds at Ithaca, N. Y.

Election of Officers.

The following officers were elected: President, C. W. Ward; vice-president, C. J. Maloy; secretary, A. H. Fewkes; treasurer, J. H. Humphreys; director, E. A. Reeves.

The following were elected to membership of the Association: C. Hannon Payne, 141 Wellmeadow road, Hartford, London, Eng.; William Miller, Bar Harbor, Me.; John Cayers, Oakville, Ontario, Can.; F. R. Pierson, Tarrytown, N. Y.; E. V. Hallock, Queens, N. Y.; John Merkl, Mentor, Ohio.

The following committee on awards was elected: A. H. Fewkes, B. B. Farr, R. T. Brown.



Three Exhibits of Fifty Blooms Each Made at Ithaca.

By T. C. Thurlow & Company, West Newbury, Mass.

ALEXANDER WALLACE

"Be thou faithful unto death and I will give thee a crown of life"

THE life history of Alexander Wallace, his struggles, his hardships and his successes, is a record worthy the attention of all, and more particularly recommends itself to those who, under similar adverse circumstances, may well take to heart the lesson to be learned—the old, old story of how an indomitable will, ambition, desire for a position at the top, or call it what you may, urges its possessor on and always forward, to higher accomplishments and still grander fields and performances.

It has been given to the writer the privilege of sharing with Alexander Wallace, for nineteen years, in much of his work, to partake of his close confidence, to hear from his lips many episodes in the history of his early life, and it was one of his last expressed wishes, a few hours before death, that his obituary should be written by the undersigned.

When for nearly a score of years you stand, figuratively, shoulder to shoulder with a comrade at the breach and on the firing line, when you share in the triumphs and the defeats, relationships become close, and confidences are exchanged, which, under other circumstances, might remain as sealed books.

Thus, it became the privilege of the writer to learn much of the story of his early boyhood —of its privations, its sternness and its bitterness. In these early days our friend suffered much; more so than this short history may reveal. His early life clouded, his lot like unto that of a serf, he broke loose all the fetters, and, through inborn and developed talent, patience and perseverance, worked himself up, unaided and hampered at every step, to a height of manliness and to a sphere of usefulness to his fellowmen entitling his name and memory to a place on the Roll of Fame.

At three years of age he was bereaved of a mother's love; of a father's protecting arms he never knew. From his mother he inherited a grand singing voice, and at nine years of age led a choir. From his father's side came the constant urging of the inner spirit that was his prompter to achieve a higher calling.

His schoolmaster was John Keppie, a worthy man in Laurencekirk, who seeing the good material in the boy, aided him all in his power, and cried with grief when, still a mere lad, he was summarily taken away to labor in a farmer's fields from early morn until dark (and the Summer days are long in Scotland). Mr. Wallace's love for his old schoolmaster was feelingly expressed at the death of Keppie, some two years ago, in an ar-

ticle on that worthy which he published in the Scottish American. This schoolmaster's kindness to him was, so far as we know, the only bright spot in the youth's early history. All other remembrances, until past the age of fifteen, were but of roughness, blows, the hardest of work and the scantiest of fare. At the age of thirteen he was teed out to a farmer, and his life for the next two years was that of the most menial drudge. Such an experience might well daunt the bravest, the most rugged, and crush forever the spirit and desire for advancement. If of ordinary mould, these notes would have been uncalled for; but this boy's ambition was not to be so stifled.

At the age of fifteen we see him finding employment with the Caledonian Railroad in his native village, and many are the anecdotes he has told of his first experiences there. Human nature may be as kindly in this Northern country as here, but, if so, in those early days it was often cloaked under a guise of severity that was as good as real.

Acquitting himself creditably here, he was transferred to Montrose, and later to the Railroad Clearing House in London, subsequently going to Dundee as private secretary to Thomas Thornton a prominent attorney-at-law and city councillor who was, later, knighted by the Queen.

Shortly after entering into railroad employment, he took up the study of shorthand, and, as he loved to re-

AS A STENOGRAPHER

late the story, with his first three-pence (six cents) he bought a primary edition of Isaac Pitman's shorthand system, and studied it through unaided. The end of this little treatise reached, and no money obtainable with which to purchase a more advanced work, he carefully started in over again at the beginning of the primary, and when he had for the second time studied it through, he was master of the principles of this standard system of shorthand. His progress in this study was henceforth rapid, and we are informed that at the age of seventeen he carried off the second prize in a competition open to all Scotland. It may not be generally known that Mr. Wallace stood among the highest in proficiency in shorthand; he was a most rapid writer and his transcriptions were always absolutely correct. It was this fact which made him so useful to Thomas Thornton. His knowledge of this art was such that he could transcribe with ease the work of almost any other stenographer, without regard to which of the systems the notes had been written in.

This able lawyer proved a hard taskmaster; he was an irascible



THE LATE ALEXANDER WALLACE

Born at Laurencekirk, Kincardineshire Scotland,
November 21, 1859.

Died in the Borough of Brooklyn, New York City, at
5 p.m. on a glorious day of June, the 17th inst., 1908.

man, very tyrannical, and extremely hard to please. Listening to his stories of the tasks imposed upon him by Sir Thomas, we have often wondered at his patience in remaining there so long under so arbitrary an employer, but we have reason to believe that Mr. Wallace at that time had some leanings toward the profession of the law, and for advancement's sake was willing to submit to much. Few men there are in this day who would stand the gruelling tasks this lawyer put him through, more especially so when we bear in mind that no recognition in the shape of extra pay, seldom even of thanks, accompanied the delivery of the completed work. To give an idea: Thornton, one Saturday, dictated a lengthy brief which took him in its delivery until almost midnight, then gruffly said, "You must have the transcription Monday early," charging Mr. Wallace at the same time, with the old-fashioned hypocrisy, that he must not violate the Scottish Sabbath. Mr. Wallace worked at this transcription from early on the Sunday morning until after midnight, and presented the brief, accurately rendered, early on the Monday morning. Should an error have been made, he would have been roundly berated.

He was also one of the fastest longhand writers I have ever known. His speed was phenomenal and his "copy" clean, clear-cut and readily followed by any compositor.

After a service of some years with Mr. Thornton, Wallace again went to London, and, with his friend James Dunbar, in 1882 came to the United States, staying here but a short time. He returned to Montrose, Scotland, going back into the employment of the Caledonian Railroad Company; from thence to Glasgow, and again in Thornton's employ until he came to the United States in 1888 for the second time.

Naturally endowed with a memory of surprising strength, the study of shorthand undoubtedly assisted materially in Mr. Wallace's mental development. As an instance: One Summer night, some years ago, we walked from Fulton Street, New York, to the New York Florists' Club rooms, then at 28th Street and Broadway. A night or two previously, Mr. Wallace had attended some scientific lecture. He had made no notes, and the subject to him was not a familiar one, yet for forty-five minutes, the duration of the walk, he repeated to the writer, almost word for word, the lecture as it had been delivered.

He was at one time regimental schoolmaster of the 79th Cameron Highlanders. In this vocation he proved his value not only to the children of the soldiers, but to the soldiers themselves, and for his efficient work and for the high standing to which he brought his classes in their examinations by the inspector, he was highly recommended. Studying here himself, meanwhile, he successfully passed an examination for a ranking command, defeating the sons of two eminent officers who, plucked at college, had been compelled to attempt entry through the ranks.

In December, 1888, THE FLORISTS' EXCHANGE was founded. Many remember its early history and its frail appearance. Before it had been running one year, the writer, who at that time was conducting a printing office, acting as compositor, proofreader, paper cutter, errand boy and boss, and all that goes with a struggling business, found it impossible to handle it all, and advertised for a man to assist him write wrappers, keep the advertising books (not that these records were at that time very heavy), act as assistant editor and do whatsoever came to his hand. Alexander Wallace was amongst those who replied to the advertisement; his verbiage was good, the handwriting clear, and it was recognized that here was possibly talent and value. He was requested to come at once, but did not respond. A boy was then sent to his address and persuaded him to call. He made his appearance in the office and was immediately employed at the munificent salary of \$7 per week and a commission. The amounts sounds small, but when the rate was fixed, the writer was wondering where the money was to come from to meet his increased pay roll. Since then Mr. Wallace's services have been wholly with THE FLORISTS' EXCHANGE.

During its first years THE FLORISTS' EXCHANGE was "made up" at night at the writer's house. This was his "relaxation" from the daily cares of a constantly increasing printing business. Mr. Wallace always participated in this night labor and early exemplified that "thoroughness" in all his undertakings which was so marked a characteristic with him; all that he put his

hand to was so absolutely well done as to quickly earn for him entire confidence.

It was hard and uphill work in those early days. All the composition, presswork and mailing of the paper was done in the office, and, THE FLORISTS' EXCHANGE being the least importunate customer, had to take a back seat and wait its turn when other clients pressed. Thus, much of this portion of the work was often done at night, and on Saturday morning Mr. Wallace would go to the post-office with the entire edition in a mail pouch slung on his back. No discredit here; no record for shame. This work and these early difficulties were never forgotten; they are the concomitant of all effort for betterment on the part of those struggling from the bottom of the ladder.

Mr. Wallace's first work of note—a "scoop" as the pressmen call it—came about with the death of Peter Henderson on Friday, January 17, 1890, at 10:30 a.m. The sad news reached us at noon, just as we were going to press. The forms were stopped, while Mr. Wallace hurried around to the Cortlandt street store, and, after a thrice repeated attempt, obtained the ear of Mr. Forbes and secured a more complete and correct obituary notice than was published by any of the daily papers the following morning. We always looked on this as the first real step in the making of THE FLORISTS' EXCHANGE and the credit is due to Mr. Wallace's Scotch persistency and knowledge of shorthand. The first exhibition reported by him was the orchid show at Short Hills, N. J., in February, 1890, by Pitcher & Manda, and was a stickler to the novice, as may be readily imagined. Mr. Wallace at that time had no technical knowledge of the business, and orchids possess some hard names.

Our old friends know the business side of the story of Mr. Wallace's life, for it is the story of the paper; this is why we have dwelt so fully on the always interesting days of his early youth, and have done so trusting that the narrative of hardship and emergence therefrom may stimulate young men who to-day may be suffering from discouragement.

Alexander Wallace was always a noted figure. He did not appear as a debater and seldom took part in the discussions. His capacity for labor was prodigious. Writing for his paper into the very small hours after midnight, he was one of the first to make his appearance in the morning, and his bright face and prepossessing manner were an attraction to all.

He was there as a chronicler on behalf of the trade—a clear, clean-cut narrator of events as they took place, and his judgment as to what to publish and what to suppress was almost infallible. With more work on his hands than any man there—work that did not admit of a minute's delay, he still found time to pass a friendly word with every man present, and he seemed to know them all by sight and by name. May we not say for him that never at these functions was there present a more popular character? He was not a politician, and never betrayed confidences, so was implicitly trusted by opposing sides. And, bring this close to your heart, reader—his principles of total abstinence did not injure his popularity one little mite, proving conclusively that a man may be "Hail fellow, well met," and live the life of a teetotaler.

Patiently plodding through documents innumerable in the search for one fact it was necessary to obtain to complete his article, or, in the rush of "going to press,"

it was always the same Wallace—smooth of temper, patient, ready to stop in his labor

to help out another or to entertain a friend; nothing left undone, nothing left over until to-morrow, everything completed and all things well done. As was well expressed by a contemporary last week: "One of Mr. Wallace's most striking characteristics was his thoroughness. Whatever he undertook he followed up to the minutest detail, and his analytical exactness was in evidence in all his work."

Mr. Wallace was not a man of scintillating brilliancy. He was a student. His writings were seldom the resultant of bright flashes of genius or of wit, but the outcome of patient study and long-continued investigation. He made sure first, with the in-born caution of the Scotsman, that he was right, and then he went ahead. Henceforward, no argument could upset the judgment so deliberately matured, and, generally speaking, he was always in the right.

He forced his way into prominence through the sheer force of his God-given intellect, which no obstacle could daunt. He filled a large niche in the affairs of THE FLORISTS' EXCHANGE, and

when the abrupt announcement of his sudden and entirely unlooked-for demise came to the writer, it was "as if the world had changed in one day."

In addition to the art of stenography, over which he had gained complete mastery, all his leisure moments were spent in study. During a two years' course, he

AS A STUDENT became a proficient Spanish scholar, speaking that language as fluently as a native. He was also well versed in French, and understood quite a little of German. He was a continuous reader of high-class literature and, through his retentive memory, was enabled to profit largely therefrom.

Few may realize the extent of Mr. Wallace's devotion to literature. He was a writer of poetry, and a constant contributor of

AS A WRITER short stories to the Scottish-American, many of which embodied facts in connection with his own early life.

We here reproduce a touching little poem, mute symbol of his remembrance of his mother; it was first published in the Scottish-American.

MITHER'S KISS

When infant pains perplexed me sore,
An' ailments, boom what I cud bear,
Robbed childhood o' its bliss,
A balm that failed tae cure but rare
Was mither's soothin' kiss.

When langed wrangs, 'boot bood or br',
War rankin' in my bosom sore,
An' things wad gang amiss,
A truce was made atween us a'
By mither's lovin' kiss.

An' when I left my dear auld hame
Tae Fortune seek—that fickle dame—
The goal tae hit or miss,
The guide that pointed strait my
aim
Was mither's partin' kiss.

Tae me nae kindly car she's lent,
But o' a' the trials by F. J. me sent
The hardest yin was this
When ower a pale, worn face I bent
For mither's dooin' kiss.

When Boatman Death, sae grim an'
hoar,
My soul has safely ferried o'er
The great unknown abyss,
May it greet me on theither shore—
My mither's welcome kiss.

ALEX. WALLACE

New York, February 3, 1897.

In the year 1900, he prepared, for the Sixteenth Annual Meeting of the Society of American Florists, in this city, the Souvenir Book of the New York Florists' Club, a painstaking and thorough record of the annals of early horticulture in and around New York City, a work which occupied him through many months of patient research in the libraries, and which brought him great eulogium. It is a standard history of those days.

In November, 1906, Mr. Wallace forwarded an article entitled "What Scotsmen Have Done for Horticulture in America," to be read before the members of the Scottish Horticultural Association, which he had prepared at the request of the secretary of that body. This paper again furnishes evidence of the thoroughness with which he went into everything he undertook. The paper was very comprehensive, and includes memoirs and data of every gardener and florist of Scottish birth having lived in the United States, who could be traced by the writer. In advising Mr. Wallace of the grand ovation which greeted the termination of his paper, the secretary of the Scottish Horticultural Society said that perhaps he (Mr. Wallace) had heard the

echoes of the cheer, across the Atlantic. This paper was widely copied in English horticultural journals and received much favorable comment.

Probably Mr. Wallace's most ambitious work, and that which will carry his name and fame down to posterity as an author, was the book published in 1903, entitled "The Heather in Love, Lyric and Lay." This work, the culmination of several years of patient scrutiny and delving through the libraries of America and Great Britain, is a complete synopsis of the history of Scotland's flower and emblem, including all the literature, both poetry and prose, which it was possible for the writer to glean. Note in the preface his profound affection for the land of his birth; he says: "I send forth this little volume, the result of some years of painstaking research during the spare moments

snatched from a rather busy life, as the tribute of an expatriated Scotsman to the mountain flower of his home land, hoping that a perusal of its pages may but deepen the ardor of Scotland's sons and daughters everywhere to continue to sing, with the best heart and voice at their command, the praises of their native Heather." The book is dedicated to his wife, Rachel Marion.

Mr. Wallace assisted largely in the compilation and editing of the various horticultural standard text books which have been issued from time to time by the publishers of THE FLORISTS' EXCHANGE. For this he was eminently fitted, and we desire to place on record here our sincere acknowledgments of the value of his services.

His uncompleted work was "Favorite Flowers of Robert Burns," and in the very last hours of his life he was regretting to his wife his inability to proceed with the work he had so lovingly set forth to do.

In all his writings his prompters were love and affection, for none of his labors were ever undertaken through a spirit of gain. Though frugal, the making of great riches did not appeal to him.

Mr. Alexander Wallace was for the last fifteen years, or, to be correct, since

SOCIETY May 8, 1893.
AFFILIATIONS and until his death, a member

of the New York Florists' Club, and served it in many capacities. He has been a member of the Society of American Florists since its eighth annual meeting, at Washington, D. C., 1892. He served, with credit, on its Executive Committee for three

years, having been appointed thereto by President Patrick O'Mara. He was a member of The American Carnation Society since its inception, in which he materially assisted, and was elected as an honorary member thereof. He was also a member of The American Rose Society from the beginning. For all of these societies he has done yeoman's services.

Of Alexander Wallace's labor in behalf of and its value to the cause of horticulture, we prefer that others, more competent to judge, should speak. We do know that

SERVICES TO HORTICULTURE within the past decade especially, the tone of horticultural trade journalism has greatly appreciated, and to Mr. Wallace should

be ascribed a full share of the credit, for he realized keenly the importance and responsibilities attaching to his editorship and ever strove to raise trade literature to higher planes. An article covering these lines has been prepared by a gentleman with



A PORTRAIT OF ALEXANDER WALLACE AT THE EDITORIAL DESK

Republished from the Tenth Anniversary Number of The Florists' Exchange, December 10, 1898.

whom he has been closely associated during all of the tenure of his office, Mr. Patrick O'Mara, than whom no man is better qualified to judge, and will be found immediately following.

Placing it on a pinnacle as the highest of all earthly possessions, Mr. Wallace was essentially a home man. There was no

FAMILY LIFE

place on all earth so dear to him as his own little abode; using his own words—"No man in Brooklyn had a better," and the height of a good man's affections were bestowed on his "little, wee wifey Jeannie," as he affectionately called her, Miss Rachel Marion Banta, to whom he was married in September, 1893. In his private character, he was kindly to a marked degree. The remembrances of his own early struggles impelled him to sympathize with those who were handicapped by fate or affliction; and Chinese, Japanese, Spanish and Scotsmen out-at-elbow, and the most depressed on earth, were always sure not only of his comforting words, but as well, of his active assistance; many are the hours he has spent in the defence of innocent Chinamen from hoodlums and the verdict of a wrongly-informed Justice.

With a sense of personal bereavement, each one feeling it keenly, some mourning as for a brother, others as for a dear friend whose loss it will be impossible

FUNERAL SERVICES

to make good, in an atmosphere of solemnity that was deep and inexpressible, the body of Alexander Wallace was laid away in Mother Earth in fair Greenwood Cemetery, amid the bright scenes of waving flowers, freshly blooming shrubs, stately trees and gorgeous sunshine—just such a scene as he himself would have selected had he had the choice. The funeral services were conducted by the Rev. James Gray of the Methodist Church, who dwelt upon the nobility and blessings of a Christian life. An address of singular depth of feeling followed by Mrs. Helen Temple Brigham, in which the speaker portrayed her definition of the progress of the spirit through the ages and the final reunion of all the loved ones on that better shore.

The esteem in which he was held by his many friends was beautifully shown by the rich floral tokens sent as a last respect to his memory. Never was seen a more lavish display of the choicest blossoms of Nature, and it looked as though each and every one, when selecting a flower to place near the bier of Alexander Wallace, had chosen that which was the richest and rarest obtainable. Orchids, gardenias, lily of the valley and roses innumerable, sent by a host of friends, surrounded his mortal remains.

In addition to personal friends, amongst whom were Japanese, Spanish and others whom the late Mr. Wallace had befriended, we noticed many representatives of the trade, staunch and old acquaintances:

A. T. De La Mare, David Tonzeau, James Dean, Jas. Griffith, J. G. Esler, directors of this Company; S. S. Butterfield, assistant editor of THE FLORISTS' EXCHANGE; A. Faulkner, representative of the American Florist; J. A. Shaw, representative of The Florists' Review; F. H. Traendly, Patrick O'Mara, John Scott, M. B. Faxon, W. B. Du Rie, Mr. and Mrs. John Donaldson, A. H. Langjahr, Chas. Weeber, John Birnie, II, and P. Dailedouze, H. Goldberger, formerly advertising manager of THE FLORISTS' EXCHANGE; S. Burns, W. P. Sheridan, J. K. Allen, G. Snedecor, D. Y. Mellis, Robert Simpson, R. Berry, Thos. Langton, Chas. Tofty, Mrs. Vincent, formerly wife of the late Thos. Russell, the first assistant editor of THE FLORISTS' EXCHANGE; Miss Jelinek, formerly stenographer in this office. The pall-bearers were Messrs. Peterkin, Kraus, Jordan, Eyerman, Boyle and A. Dorey, all of this office.

ARTHUR T. DE LA MARE.

RESOLUTIONS

At a special meeting of the directors of the A. T. De La Mare Ptg. & Pub. Co., Ltd., publishers of THE FLORISTS' EXCHANGE, held noon Saturday, June 29, 1908, the following resolutions were adopted:

WHEREAS, Most vividly the uncertainty of the tenure of life has been demonstrated through the sudden removal from our midst of our friend and fellow-worker, Alexander Wallace, who went for rest from pain and earthly cares, with a smile of perfect peace on his face, to the arms of our Heavenly Father, on Wednesday, June 17, 1908, and

WHEREAS, We desire to place on record our acknowledgments of his long and faithful career in the office of this Company, and to bear testimony to his zeal, diligence and unswerving loyalty in all things which made for our common good; therefore be it

RESOLVED, That in the death of Alexander Wallace we have lost a brother whom we mourn with all our heart, a tried and true coadjutor, a manly man, a faithful friend, a valuable citizen, and we do hereby express our profound and sincere grief at his untimely death in the hour of his matured mental vigor and manhood; and be it further

RESOLVED, That these resolutions be expressed in full upon the minutes of this Company, and a copy thereof sent to the bereaved widow of the deceased.

ABSENT, YET PRESENT

Much strength was within him; much gentleness, kindness, tenderness, much wisdom, much aspiration and far-reaching inspiration. "I'm sair to leave you, lassie," he faltered, and after compassionately lingering, passed out through the Twilight, but in through the Gates of the Morning. And the morning is in my heart, for he has returned with its dew and its sunlight. And he is not "yonder," but here, in secure, close, sweet comradeship. Praying wistfully,

"When Boatman Death, so grim an' hoar,
My saul has safely ferried o'er
The great unknown abyss,
May it greet me on the ither shore—
My mither's welcome kiss."

"the dear Lord" granted the yearning wish. Then he left with us the benediction, and to God gave the praise of a blissful smile beyond description. To the splendid brain, to the grand, sweet spirit, to the noble soul, to the heart that so tenderly sheltered and enfolded her, and to him who brought and gladly gave to her life its new happiness, his wife pays this heartfelt tribute of reverence, of respect, of admiration, of gratitude, and of love undying through all eternity.

Brooklyn, N. Y., June 23, 1908. MRS. ALEXANDER WALLACE.

MR. WALLACE'S VALUE TO HORTICULTURE

The announcement of the sudden death of Alexander Wallace came with stunning force upon those who knew him well and who admired him for his sterling qualities; these were many, for there are few connected with the florist trade who were strangers to him.

Death is ever a solemn and awesome event; there are few who can calmly receive the tidings of the passing away of a friend and associate without experiencing a shock. Philosophy may calm the emotions, religion may soothe and assuage the anguish, but there is no panacea after all for the wound.

It was my privilege to enjoy a close acquaintance with Alexander Wallace for about eighteen years. It was not long until I came to appreciate the sterling qualities which lay hidden behind a modest and somewhat diffident exterior. His dominant characteristic was loyalty. This quality in him was manifest in all his relations to his friends, his associates and his employers. Whatever he undertook to do was done with a painstaking fidelity which excited admiration. His mind was clear and his grasp of affairs was marvelously exact. A keen student of passing events, with a power of analysis far beyond the average, his value to horticulture in his capacity of editor was much above what most of us estimated and far above his own idea of his work.

In the councils of the New York Florists' Club he was invaluable. In his capacity for detail work, in his ready willingness to do it, in his power of initiative, in his unselfish enthusiasm for the broadest interests of the club, he was splendid. His like will not be readily found, and it is trite but true, his loss will be keenly felt, his place will not be easily filled. We all remember with gratitude and admiration his work in the Souvenir Book issued by the club in connection with the convention of the S. A. F. in 1900. This was but an index of the painstaking, intelligent, loyal work he did for the club. A faithful attendant at its meetings, he was watchful of its best interests, and his opinions ever rang true when serious affairs were being debated.

Hard headed, and clear headed always, he had little patience with sham and pretence, and never hesitated bravely and boldly to express his opinions. As a member of the executive committee of the S. A. F. he displayed the same loyalty, the same unselfish devotion, the same watchfulness, the same energy, the same zeal with which we were so familiar. It is futile to quarrel with an inexorable fate, but yet it seems a great pity that such a man should be called away just when he was attaining his full powers and when he could be of still greater service to the craft he loved so well.

June 23, 1908.

PATRICK O'MARA.

Tributes to the Memory of Alexander Wallace.

Here and there we find a man who loves truth with all his heart and soul and hates untruth with a corresponding hatred. Such were the thoughts on mankind that Thomas Carlyle gave expression to, and when I think of my very dear departed friend, Alexander Wallace, I feel that here was such a man as Carlyle had in mind when he penned his words.

Occasionally, events happen in our lives that make us want to sit down and give expression to our feelings. The sudden taking away of my friend Wallace impels me to write a few words, and to pay my tribute to his great and good nature.

For almost ten years he and I have toiled side by side, struggling together in our daily life, and I feel that among his many friends, outside of his own family, there was perhaps not one who enjoyed a closer intimacy with him, or had a better opportunity to note his many good qualities than the writer. His was a nature that every upright man loved—honest, truthful, faithful and, above all, sympathetic. When I call to mind the many downcast, destitute men, native of his own Scotland, that have called on him and, after a whispered conversation, departed with a smile on their faces, happy in the fact that their immediate wants were relieved, I realize that his sympathetic nature was known and appreciated in circles far removed from his own daily path.

His faithfulness to duty was such as few men show. When there was work to be done, he did it; and one great feature that stands out in his faithfulness to his paper and its readers is the almost superhuman efforts he would exert to give the latest and most authoritative information. If it was convention news, he would neglect his food and sleep rather than disappoint; and for scientific or general knowledge, he would devote his nights to research, in order that he could give his clientele the very best information possible.

In truthfulness he was a shining example. In whatever he said or wrote, he was the very acme of sincerity, and never uttered as a fact that which he did not know was positively true. In his voluminous writings he ever sought to be of help to his fellow men, and no task was too great for him to undertake if, by accomplishing it, he in any way could further the interests of the craft he was so long identified with. Added to his truthfulness and sincerity was a fearlessness of character that prompted him at all times to combat any and every statement which tended to misrepresent in any way an individual or the aims of any horticultural body.

His honesty, both in word and deed, was fully recognized by all who knew him. Those seeking his advice (and they were many) never failed to receive a straightforward expression of his opinion and help, if help was needed.

Personally, I have lost a friend—one of the very best friends I ever had. His kindly disposition and sympathetic nature, together with his wide knowledge on many subjects, acquired from his extensive reading and study, made him one of the most cheerful and lovable companions it was possible to find.

I cannot refrain from saying a few words about the deep reverence he had for the memory of his mother. It was his sad lot to lose her while he was a boy, but, how well he remembered her, and the affection he cherished for her, is beautifully exemplified in a poem, entitled "My Mother's Kiss," which he wrote in February, 1897, the last stanza of which reads:

When Boatman Death, sue grim an' hoar,
My soul has safely ferried o'er
The great unknown abyss,
May it greet me on theither shore—
My mither's welcome kiss.

S. S. BUTTERFIELD.

Assistant Editor of *The Florists' Exchange*.

Wallace is dead! A pall is o'er his sanctum and the chair from which he greeted his friends is vacant. His last requiem has been sung, and he has been laid to rest in beautiful Greenwood. In his death, horticulture is bereft of a champion, his family of a protector, and his friends of a kindred spirit. To know Alexander Wallace intimately was to love, admire and respect him. True as steel, faithful in his friendship and honest in purpose, he bore life's burdens without a murmur. The many hours spent in pleasant interchange of ideas will linger in our memories as long as pulses beat.

If immortality, and not oblivion, be our goal, we can rest assured that upon whatsoever shore or in whatsoever clime, the kindred spirits who have "passed over the crest," will greet us with their spirit presence, and William Scott and Alexander Wallace will give us a hearty welcome when we pass to the vale of flowers and the land of the unknown hereafter.

Saddle River, June 20, 1908. JOHN G. ESLER.

Truly I most fully appreciate your feeling and the trying situation under which you are placed. The loss of such an able and trusted assistant in your important work is a sad one, but nothing in comparison to the break in the chain of affection that has so long bound you two together. But few knew Mr. Wallace, his virtues and abilities, better than myself, and I feel as though a part of my own life had been taken. We were near together, near in many ways. It was my pleasure to have assisted him at a time when days were dark and friends were few. The fact of his coming to me made me love him and, while we had not recently seen much of each other owing to my many cares, the ties of affection never weakened; on the contrary, they ripened with our years. He is gone, but no man was ever nearer us than he is now. His noble, generous life, its power for good, is as strong to-day as ever. His life is still living, and will live as long as memory lasts.

Poor fellow, he has met that change we call Death. He still lives, although the machinery of life is broken, but in our hearts its influence is as powerful as ever. Farewell, dear friend, Farewell, Farewell!

Floral Park, N. Y., June 22, 1908. C. L. ALLEN.

I have learned through Mr. Stewart of the death of our friend, Mr. Wallace. I wish to express to you and members of his family my sincere regrets. He was a faithful employee, a good friend and a credit to his profession.

Boston, Mass., June 18, 1908. PATRICK WELCH.

We regret to learn of the death of your Mr. Alexander Wallace, and we tender you this expression of our sympathy in the serious loss you have sustained.

New York, June 19, 1908. J. M. THORBERN & Co.

It was with sorrow and sincere regret that we heard of the death of our esteemed friend, Mr. Alex. Wallace. We had learned to love his sterling qualities, in and out of business, as no matter where you met him, his right hand of friendship and help was ever extended. To his family we extend our fullest sympathy in this hour of bereavement, believing that his God and King, who does all things for our good, will take care of them, in this their severe trouble.

White Marsh, Md., June 22, 1908. R. VINCENT, JR. & SONS Co.

I was shocked and much grieved to learn of the sudden death of our mutual friend, Mr. Alexander Wallace. During the several years in which I have been connected with horticulture I do not know of one whose advice and counsel have been of more benefit than that given me by our departed friend. Therefore, to a certain extent, can I appreciate the loss sustained by you and wish to extend my sincere sympathy.

Berlin, N. Y., June 19, 1908. ARTHUR COWLE.

I was much shocked to learn of the death of Mr. Wallace. In this sad news I feel a sense of deep personal loss. He always set an example of cheerfulness and good nature which should be a model for us all.

New York, June 19, 1908. ARTHUR T. BODDINGTON.

Please extend to the wife of Mr. Wallace, our deepest sympathy in the hour of her sad bereavement.

Chicago, June 20, 1908. E. F. WINTHROP Co.

We regret very much to learn of the death of your Mr. Wallace. The writer's acquaintance with that gentleman extended over a period of a number of years, and in his death I feel a personal loss.

New York, June 20, 1908. HENRY NUGESSER & Co.

My brother and myself were shocked beyond words to hear of the untimely death of our mutual friend, Alexander Wallace. Truly, a good man has gone to his rest. We will freely say, with Burns, "If there is another world he lives in bliss; if there is none he made the best of this." He was a complete master of the English language and unquestionably the ablest writer that we had in all of the trade press in this country. We both feel we have lost a true friend. His personality was so genial, yet, withal, a "man" personified. Kindly accept for yourself and extend to all your associates our heartfelt sympathy for an irreparable loss. To his widow, whom we do not know, but judging from the dedication in his book, "The Heather," must have been a great help and inspiration to him, convey our heartfelt condolences.

Elmsford, N. Y., June 20, 1908. JAS. T. SCOTT (Scott Bros.)

I was shocked beyond expression to learn of the sudden death of Mr. Wallace. I always found him in very many respects a remarkable man, and from my old associations with you I can appreciate to some extent the severity of the blow to you.

New York, June 19, 1908. LEONARD BAYMON.

My sincerest sympathy. In Mr. Wallace we have lost a man whose place will be hard to fill. Words cannot express the shock, the news of his death created.

Waynesboro, Pa., June 20, 1908. HENRY EICHENTZ.

With great sorrow I have just read of Mr. Wallace's passing away so suddenly. It is a shock. I feel as if I have lost a personal friend. How my dear father would have grieved over it. To you, his close friend, and to his dear wife, I wish to send our heartfelt sympathy.

Chicago representative. JESSIE SANDERS VICTOR.
Chicago, Ill., June 20, 1908. (Daughter of Edgar Sanders, our late esteemed Chicago representative.)

I cannot express the shock I felt on learning of Mr. Wallace's death. His kindly, genial personality made him so many friends, and I was always strongly impressed by his many-sided knowledge, and the keen, incisive speech that made all his words impressive. Though we did not meet very often, I always felt that he was a friend rather than a business acquaintance, and one whose opinion was of value to me. Trade journalism will miss him greatly; indeed, it is hard to estimate how much we lose with him, and I can well imagine the sense of personal loss you must feel.

New York, June 22, 1908. E. T. ROYLE.

You have my sincere and heartfelt sympathy in this moment of your keen affliction. The death of Alexander Wallace is a great and irreparable loss, not only to yourself but to his numerous friends throughout the country as well. When I last saw him, about three weeks ago, little did I think that his life was drawing to a close. It is sad, very sad, indeed! But such is life with its uncertainties.

Philadelphia, June 22, 1908. S. S. SKIDELSKY.

Grieved to read of the death of Alexander Wallace, America, if not the world, has lost one of its brightest horticultural writers.

Natick, Mass., June 23, 1908. R. F. MCGORMAN.

It was with deep sorrow I read in *The Florists' Exchange* of last Saturday the notice of Mr. Wallace's death. It came as a great shock to me, as I had not the least idea he was ailing. He told me when I was in his office a few weeks back that he was suffering, but passed it off as hardly worth talking of; therefore, you can imagine my surprise and sorrow to read the notice of his death. I valued his friendship very highly and always looked forward to meeting him with a good deal of pleasure. I know how deeply you will feel the loss of such a true friend and co-worker, and the country at large lose in Mr. Wallace a man whose place will be indeed hard to fill. Believe me, you have my sympathy in your loss.

Washington, D. C., June 22, 1908. PETER BISSETT.

"In the midst of life we are in death." Words are not at my command to express my sorrow at the early severing of the life of Alexander Wallace. Known from the Atlantic to the Pacific, and from the Gulf to the Great Lakes, none will be missed so much at our annual meetings of the S. A. F. O. H. as Alexander Wallace, always at his post, honorable and fearless. But he is no more, and while I am writing these lines his body is being consigned to the tomb, earth to earth, ashes to ashes, dust to dust. An affectionate husband and, above all, a man.

Cincinnati, O., June 20, 1908. E. G. GILFILL.

The news of the death of Alexander Wallace was a terrible shock to me, for our relations since I had become associated with *The Florists' Exchange*, were of the most cordial and encouraging nature. My heart goes out to his wife; how she will miss him, and what numberless lonely hours she will spend, before Providence and Time, the great healers, have assuaged her grief. You, also, have my sympathy. His place can not be filled again in your life as it has been filled by him who has gone before, and Horticulture loses a staunch supporter and an earnest advocate.

Philadelphia, June 22, 1908. EDWIN LONSDALE.

In common with every reader of The Florists' Exchange, the writer was simply stunned by the sudden death of his good friend, Alexander Wallace—its editor. My pen hesitates as I try to say something equal to express my appreciation and gratitude for the many proofs of a real friendship so manifest for me for so many years by the deceased. We shall, indeed, miss our good friend more and more keenly as the days pass.

Brooklyn, N. Y., June 22, 1908. M. B. FAXON.

Alexander Wallace was a man I loved from the first time I met him, and my regard for him increased the more I saw of him. I had looked forward to enjoying his company again, from time to time, with much pleasure; and now our good friend is dead! To you and to others who have been closely associated with him I can understand how keenly his loss will be felt, and I sympathize with you greatly. You knew him and his worth.

Philadelphia, Pa., June 20, 1908.

Words fail me in the expression of my sorrow due to the death of Alexander Wallace. I feel that I have lost a most sincere friend and a true and sympathetic compatriot. The horticultural world, also, has lost an indefatigable worker and a diligent student. My deepest sympathy is extended to all whose daily lot it has been to come in close contact with him, and who will the more miss his kind and cheery personality, never demonstrative but always gilt-edged. His many friends in the West deplore with me his untimely demise.

Chicago, Ill., June 21, 1908. J. H. PEPPER.

It is with extreme regret that we announce the sudden death on Wednesday last in Brooklyn, N. Y., of that leal-hearted Scotsman, Mr. Alex. Wallace, editor of The Florists' Exchange, here, at the early age of 48 years, and for a long period one of our most esteemed contributors, his last article, on "James Wilson, Naturalist," appearing so recently as 27th May last. Mr. Wallace was well read in Scottish history and literature, had a fluent pen, and loved to dilate on the life and works of eminent Scotsmen; and for such articles his own columns did not form a fit medium. We were not sufficiently intimate with Mr. Wallace to learn how or when he adopted the profession of a journalist, but do not think he was bred to it, though like many more he by studious, steady application ultimately came to excel in it, and had for many years been connected with The Florists' Exchange. * * * He had a wide acquaintance with the florists throughout the United States and Canada, and by all was very highly esteemed. In 1903 Mr. Wallace wrote and published a book entitled, "The Heather in Lore, Lyric and Lay," which was at the time highly spoken of by the Press generally. He was also poetically inclined; and some specimens of his verse have appeared in our columns.

THE SCOTTISH AMERICAN.
New York, June 24, 1908.

I was more than stunned when I reached my office and found upon my desk your notice of the death of our dear friend, Alexander Wallace. I herewith wish to extend my deep sympathy to you and the trade in our loss through his death. He was a true friend to all whom he could help in our calling. Horticulture in the United States has, indeed, lost one of its best editors. He spared no effort to seek out the truth, and nothing was ever written by him when he was not sure of the ground he stood on. He was thorough in everything he undertook to do. We all know how hard he worked at the New York S. A. F. Convention, also at the Brooklyn Carnation Convention. He was called away when he was most able to give the benefit of his labor to horticultural interests throughout the world. He had all to live for, but it was not to be. I used to meet him often evenings at the different libraries in Brooklyn, remaining there until the lights were turned out; only then would he go home. It can truthfully be said of him he was faithful until death.

New York, June 23, 1908. ALFRED H. LANGFAHR.

I wish to express my sympathies to you in the loss of our esteemed friend, Mr. Alexander Wallace. I feel that in his death we have sustained not an ordinary loss, for his going makes a void that cannot be filled. It is true that some one will take up and carry on the work; but the personality of Alexander Wallace will be with us only in memory. And we revere the man for what he was.

ALEXANDER MACLELLAN.
Newport, R. I., June 22, 1908.

I am very sorry to learn of the death of Mr. Wallace, in the midst of a most useful life. His noble deeds will always live in the memory of his friends, the florists of America.

J. F. ANDERSON.
Short Hills, N. J., June 24, 1908.

The writer, who has often enjoyed the genial company of our friend, Alex. Wallace, is like hosts of others, stricken with grief to learn of his untimely death. The world loses so much when such a genial, faithful and ambitious man is taken from it. Many Indianapolis friends deeply realize their loss.

IRWIN BERTERMANN.
Indianapolis, Ind., June 22, 1908.

Seldom has the news of death so shocked me as that pertaining to the demise of Mr. Wallace; tho' I had not known him long it was my privilege to esteem him as a friend and an "honorable man" of the type which makes the world better and whose death creates a vacancy hard to fill. Unto you and his other business associates I extend my heartfelt sympathies.

JAS. L. CARBERY.
Washington, D. C., June 23, 1908.

I was indeed shocked at the death of our friend, Mr. Wallace, a man of whom you said very properly, "Few there are like unto him."

Mr. Wallace was known personally to many of the florists and gardeners in this vicinity and every one realizes the loss that not only The Florists' Exchange, but the press of the country has sustained.

JOHN W. DUNCAN.
Boston, Mass., June 22, 1908.

The William Scott Memorial Fund.

Substantial contributions to this fund continue to be received, and the lists having now been auspiciously opened, it is to be trusted that those who wish to contribute will do so as promptly as possible, in order that the undertaking may assume some definite and tangible shape. We would much like to see a good substantial list of names as contributors before the opening of the forthcoming convention of the S. A. F. at Niagara Falls in August, for, at that time, it would be most convenient for the subscribers to meet and discuss the shape they would like this memorial to take. Since our last issue we have received several cheques, including one for \$10 from The American Carnation Society, and one of \$5 from Henry Eichholz, Waynesboro, Pa., who says: "I herewith forward you my check for \$5, to be added to the Scott Memorial Fund. No man in the trade has done more good to the craft than he."

Editor The Florists' Exchange:

Enclosed please find check for \$5.00, our contribution toward the William Scott Monument Fund. The object is a worthy one and it is our sincere hope that the craft will honor itself by paying tribute to the memory of the man who did so much for the interests of horticulture in America.

Utica, N. Y. C. F. BAKER & SON.

I take pleasure in contributing one dollar toward the William Scott Monument Fund, hoping that every florist throughout the land may follow my example and that the fund, ere long, may assume generous proportions.

Utica, N. Y. W. A. ROWLANDS.

Editor Florists' Exchange:

I have read with deep interest the article signed "S" in your issue of May 23, and am very much taken up with the idea.

Why not erect a suitable monument to the memory of Wm. Scott, in appreciation of the services he has rendered to horticulture in general, and as a mark of the esteem in which he was held by the florists throughout these United States and Canada? Such a tribute would stand as a lasting token and corresponding valuation from a horticultural community to one of its benefactors.

St. Louis, Mo. OTTO G. KOENIG.

The subscriptions received to date, and all further donations, will be deposited with the Carnegie Trust Company, 115 Broadway, New York City, in the name of the Scott Memorial Fund. Here the deposits will receive 3 per cent. interest.

Subscriptions to Thursday, June 25:

J. McHutchison, 17 Murray St., New York	\$10.00
John Birnie, West Hoboken, N. J.	5.00
S. S. Skidelsky, 1731 No. 18th St., Philadelphia, Pa.	5.00
The American Carnation Society	10.00
Henry Eichholz, Waynesboro, Pa.	5.00
C. F. Baker & Son, Utica, N. Y.	5.00
W. A. Rowlands, Utica, N. Y.	1.00
H. N. Hoffman, Elmira, N. Y.	1.00

Proposed Law Affecting Insecticides.

On Thursday, June 18, an all-day session was held in the American Institute Building, West 44th street, New York City, between manufacturers, representatives of the entomologists, and some of the leading chemists connected with the State control of the insecticide laws, for the discussion of Senate bill 6515 and House of Representatives bill 21316, entitled "A bill for preventing the manufacture, sale or importation of adulterated or misbranded fungicides, paris greens, lead arsenates and other insecticides, and for regulating traffic therein and for other purposes." There were about forty persons present.

The Senate bill and the House of Representatives bill are the same, excepting that in section 7, there is a fourth clause added to the House of Representatives bill which was amended. Section by section was taken up. The bill appears to be promulgated by those connected with the Agricultural Department.

The first section provides that any violation is a misdemeanor, punishable by a fine not to exceed \$500 or one year's imprisonment, or both, and if brought up on a second count, the fine is doubled, with the imprisonment clause in the discretion of the court. This section was adopted. Sections 2 and 4, the same.

Section 4, which provides for the examination of specimens of fungicides, paris greens, lead arsenates and other insecticides, called for discussion looking for enlightenment. Under this section a motion was made to insert the word "willfully" ("willfully violated"), but the entomologists and representatives of the Department voted against that.

In dealing with section 5, a discussion arose as to who should have the authority to start prosecutions, and a clause reading, "Under authority of the Secretary of Agriculture" was inserted, so as to make it plain that in the National bill there was some head to its enforcement and that the initiative should not be left to any director of experiment stations or agent of any State, or the District of Columbia.

Sections 6 and 7 caused the most discussion. The intent of the promoters of the bill seems to be to concentrate unquestioned authority of oversight in the hands of the Department of Agriculture, and the manufacturers brought up various questions, all of which were fairly and frankly considered.

In section 6, the words "man or other animals" were stricken out, so as to confine the section to its legitimate purpose, that affecting insecticides used upon vegetation. There was also a definition added—that the term "miscible oils" shall include all preparations of petroleum to be used in water. In section 7, after some discussion in which the actual work of the manufacturing chemist is compared with the laboratory chemists' small tests, the amount of arsenious oxide, As₂O₃, was made 50 per cent. instead of 55 per cent. The standard of lead arsenates is one of the things which are indefinite. There is a variation in the actual working of these things, from the commercial basis where they are sent out literally by the tons. To make a commercial article match a chemically pure preparation for a special test, the quantity of water permissible, the actual working conditions of transportation, the evaporation of water by a leaky package—that is to say, the real "work-a-day" conditions, which all commercial articles are subject to—were talked over, and the result was apparently some enlightenment, with the expression of opinion by the professional entomologists that there was no wish to put into the bill anything which could in any way hamper far trade.

The fourth division of the House bill, which reads, "Any article which is intended for use on vegetation and shall contain any substance or substances, which although destroying, repelling or mitigating insects, shall be injurious to such vegetation." This clause, which is not in the Senate bill, was taken up, as it is a trap which might be used to the great annoyance and harm of any one, for there are no substances commonly employed but what, if a small over-dose is used, will destroy vegetation, and as the paragraph read there was no explanation to its construction. To qualify this paragraph the sentence, "By following the directions expressed upon the package," was added, and, thus adopted, section was adopted.

A question arose in regard to selling in foreign countries; that while the consular service of the United States was endeavoring to increase foreign trade, the demands of foreigners, which may call for something entirely different from what is used in this country, should not in any way be restricted.

A motion was made and carried that the bill as amended according to the secretary's notes be adopted, and the same was carried.

A resolution was offered on the part of the manufacturers to the effect that the gentlemen in charge of this meeting, Mr. E. Dwight Sanderson of Durham, N. H., and Prof. Smith of New Brunswick, N. J., be thanked for inviting them to be present.

BENJAMIN HAMMOND.

American Seed Trade Association.

(Continued from page 864.)

Frederick S. Plant, of Plant Seed Co., St. Louis, Mo.
The Fargo Seed Co., Greene, N. Y.
E. M. Parmelee and W. B. Lucas, of the John H. Allan Seed Co., Cape Vincent, N. Y.
Frank H. Page, Des Moines, Ia.
R. R. Ricketts, of Springfield Seed Co., Springfield, Mo.
A. L. Rogers, of Rogers Bros., Alpena, Mich.
J. C. Robinson, of the J. C. Robinson Seed Co., Waterloo, Neb.
G. Beaman Smith, of U. S. Department of Agriculture, Washington, D. C.
Hugo Schroeter, of B. Schroeter, Detroit, Mich.
Stecher Lithograph Co., Rochester, N. Y.
W. G. Scarlett, of Wm. G. Scarlett & Co., Baltimore, Md.
H. M. Schisler, of Schisler-Cornell Seed Co., St. Louis, Mo.
J. P. Sullivan, of American Florist, Detroit, Mich.
J. A. Smith, of S. W. Elmer & Co., Toledo, O.
E. E. Thellman, of Thellman Seed Co., Erie, Pa.
Jefferson Thomas, of McFarland Publicity Service, Harrisburg, Pa.
Hugo Tweedes, of I. Tweedes & Co., Milwaukee, Wis.
H. G. Windhelm, of Nebraska Seed Co., Omaha, Neb.
C. F. Wood, of Wood, Stubbs & Co., Louisville, Ky.
Oscar H. Will, Bismarck, N. D.
Henry W. Wood, of F. W. Wood & Sons, Richmond, Va.
Geo. R. Warren, of Rogers Bros., Alpena, Mich.

Low Prices on Production of High-Grade Stocks.

At the meeting of the American Seed Trade Ass'n. C. N. Keeney, of N. B. Keeney & Son, Le Roy, N. Y., read the following paper: Regarding the effect of low prices on the production of high-grade seed stocks, we have simply to refer to a little recent history. Fifteen to twenty years ago a poor stock of Alaska peas was as rare as a good stock of the same variety is now. Up to that time prices had been good. There was money in Alaskas for the farmer, for the seed grower, for the seedsmen and for the planter, but over-production resulted in low prices and low prices caused a lack of interest and a relaxing of that eternal vigilance which is the price of success in producing a good stock or in keeping it good.

The threshing machines used in threshing Alaskas were also used in threshing Blue Imperials, Wisconsin Blues and other field varieties, and whenever a threshing machine changes from one variety to another, it is pretty certain to carry a few quarts of peas in the machine and add them to the next crop threshed. In this manner, Wisconsin Blues were frequently mixed with Alaskas and where extreme care was not exercised to take these out, regardless of cost, the stocks became mixed and a bad matter became worse through hybridization. This extreme care was not exercised because the majority of buyers looked only at the price and would not pay the extra cost of keeping stock pure and true. The fluctuation in supply and demand occasionally made seedsmen and sometimes growers eager purchasers and before anyone was really aware of it, these inferior stocks which gained a foothold during the low prices and the reign of indifference, permeated nearly all the stocks in the country and for the last five or ten years it has been pretty nearly impossible to find any Alaska stocks that were right. This unfortunate condition of things is clearly traceable to the period during which garden peas were sold at field pea prices. Fortunately, the conditions were so very bad as to force a reaction and a few people have been doing some very careful and efficient work in restoring Alaskas to their original purity and we are likely to have much more satisfactory stocks of this important variety in the near future. Let us hope that we may be spared from the misfortune of such low prices as may result in again demoralizing Alaska stocks. The asking of high prices does not necessarily prove the purity of the stock, but one thing is certain: the long-continued prevalence of prices at or below the costline is certain to result in inferior stocks.

Of all varieties of peas known to the seed trade, there is probably not one that excels in fine quality and delicious flavor the old Stratagem; but the Stratagem is a bad sporter and if neglected even for a single season, it suffers from rapid degeneration. The man who sells Stratagem peas at anything less than a high price, sells them at an actual loss if he devotes to them the time and skill necessary to keep the stock right. The eagerness to compete in the matter of price has resulted in selling to the general public such inferior stocks of Stratagem as to give the planters the impression that Stratagems are really a poor variety, while they are certainly one of the three or four "top notchers" in the entire list of peas. So-called Stratagem peas have been sold at competitive prices, which actually do not contain five per cent. of true Stratagems. The planter, because he didn't like the Stratagem sports, dropped the variety and now very many seedsmen do not attempt to handle the seed at all. There are a few seedsmen, however, who have never handled cheap Stratagems and when they could not furnish the real thing, would not attempt to furnish any, the result being that these houses have a steadily increasing demand for Stratagems and are building up a profitable trade in this excellent variety.

The experience in the case of Alaska and Stratagem peas has been duplicated in many other varieties of seeds. Take, for instance, Red Valentine beans: a dozen years or more ago one of our bean growers made a standing offer of twenty-five cents a plant for every flat-podded plant of Red Valentines which his customers could find in his fields, but the depression in the garden bean market which followed the large crops of 1896 and 1897 left no margin for growers to use in keeping their stocks up to standard and even that fine strain of Red Valentines fell from grace through the hybridization carried on by bees and the grower's offer had to be withdrawn. Fortunately, however, there are quite a few seedsmen who appreciate the difference between stocks that are fair and stocks that are fine, and are willing to pay a reasonable difference in favor of fine stocks. This fact has encouraged the grower referred to, to renew his efforts in producing a pure strain of Red Valentine that is all round-podded, and we understand the old offer of twenty-five cents a plant for every flat-podded plant found in this strain of Red Valentines has been renewed. It is, however, safe to assume that the work of restoring this very important variety to its best possible condition would not have been undertaken if all seedsmen were like the few who consider the price only.

An Octogenarian Nurseryman.

John William Adams of Springfield, Mass., whose reputation as a nurseryman has extended far beyond the confines of New England, on the 20th inst. celebrated his eightieth birthday. The members of his immediate family, including children and grandchildren, 12 in all, took dinner with him on the day at his pleasant home at the corner of Chestnut and Dover streets, in observance of the passage of the 80th milestone. Time has certainly dealt kindly with Mr. Adams and he appreciates it. He is active and alert, mentally and physically, and might easily pass for a man 20 years younger.

Mr. Adams was born in Stratham, N. H., June 20, 1828, being the youngest of the six children of Rev. John F. and Mary Lane Adams, grandson of Lieut. John Adams of the Revolutionary Army and great-grandson of Rev. Joseph Adams, who founded the church in Newburyport where George Whitfield was buried. For 50 years he has conducted the business of a nurseryman, getting his start when a boy of 16 by reading some works on horticulture. With the aid of his father he developed a small nursery in his New Hampshire home and the experience thus obtained proved most valuable in the years that followed, when he engaged in the business for himself. Now he has 13 acres under cultivation at the North end, in the vicinity of Dover and Chestnut streets, with large greenhouses in connection.

Concerning the nursery business Mr. Adams says that New England is the natural home of forest growth. The trees are as large here at two years as they are at three in Geneva, N. Y., the great nursery center.

The greenhouses are considered a side line in the nursery business and are established mainly to provide winter employment for the expert gardeners. Several glasshouses modernly equipped are included in Mr. Adams's big plantation. Mr. Adams is always generous with advice concerning proper methods for setting and caring for plants.

Mr. Adams married Miss Sarah Frances Waterhouse at Portland, Me., September 5, 1865, and they had six children, four sons and two daughters. Two of the sons died early in life. Walter Adams and Charles Adams are associated with their father in the nursery business. The two daughters, Mrs. Oatman and Miss Nellie Adams, are also members of the firm of J. W. Adams & Co., and all the children excepting Mrs. Oatman take an active interest in the operations of the business.

Mr. Adams is a member of Greenleaf Chapter of Masons of Portland, Me., of the Society of Cincinnati, Trinity Methodist Church, the Hampden Harvest Club, and of several local and national horticultural societies.

EXHIBITIONS THIS WEEK

PENNSYLVANIA HORTICULTURAL SOCIETY.—An interesting sweet pea and outdoor cut flower exhibition was held under the auspices of this society on Tuesday afternoon and evening, June 23. In the sweet pea classes, Mr. Rudolph Ellis (gardener, Samuel Hammond), captured seven first prizes, as follows: Best six vases, six varieties, 25 sprays each of Dree's orchid-flowering varieties; best 15 vases containing 15 varieties, 25 sprays each of Dree's "Incomparable Collection"; 50 blooms Countess Spencer, pink, and 50 blooms Frank Dolby, pale

lavender; one vase of Mitchell's Magnificent in one foot 12 bunches to consist of 50 sprays, 12 of fine varieties, and best three vases 25 sprays each of Glad Flowers. That is quite a commendable record for Mr. Hammond. He said he cut the flowers that he exhibited on the evening of Monday. The day before the show, and they came through all right.

First for Japanese iris, best collection of not less than 12 varieties, was awarded to Mr. James W. Paul, Jr.'s, gardener, Joseph Hurley. First for hardy herbaceous perennials went to a fine collection, exhibited by the gardener to Mr. Clement E. Newbold, Samuel Batchelor. Conspicuous in the collection were that useful phlox, White Swan, hybrid delphiniums, in various blue shades, the yellow Anthemis Kelyayi, the orange-colored Heliopsis Pitecherii, besides many others. The gardener to Mr. James W. Paul, Jr., Joseph Hurley, was awarded second prize. This was a very useful and meritorious collection of hardy herbaceous perennials, but, unfortunately, it lacked one very essential feature for exhibition purposes — not a label was to be found anywhere in connection therewith.

For outdoor cut flowers, best collection of 12 species (not varieties), first was deservedly awarded to a well-put-up collection by the gardener to Mr. John W. Pepper, William Robertson; second to Mr. Clement E. Newbold, gardener, Samuel Batchelor. William Robertson had a walk-over for a pair of well-grown gloxinias, one of which was a rich dark purple in color. Taking the show altogether, it was most creditable. A vase of the Tea rose, Bessy Brown, exhibited great merit as an outdoor rose. Mme. Caroline Testont was also fine, and Killburney and Gruss an Teplitz indicated what useful outdoor roses they are. The rich coloring of the annual salpiglossis

NEWPORT (R. I.) HORTICULTURAL SOCIETY. The tenth annual rose and strawberry show of this society was held at Masonic Hall, June 23 and 24, and was noticeable for the very excellent quality of the exhibits of plants and cut flowers. Fruit was a small exhibit, but what was shown was of fine quality. The vegetable display was also good. The judges were: Bruce Butterton, Paul Volquardson and John Baumgardner.

Only one large group of foliage and flowering plants was put up; others who had entered but failed to stage were prevented because of a rush of work. The flowering plants in the group staged were principally anthuriums, Campanula media and marguerites. Mrs. Robert Golet (Colin Robertson, gardener) received first prize for this exhibit and was also first in Class 2, for the best table of decorative foliage plants; first in palms for arca and for kentia in 12-inch pots; first for best palm, size of pot not limited; first in cut flowers, for display of outdoor roses, tastefully arranged, on a table 6 feet x 3 feet; first for vase of 12 H. P. roses (white), the variety being Frau Karl Druschki, and first for vase of 12 blooms of H. P. roses, any variety.

Mrs. T. O. Richardson (James Robertson, gardener) was first for best collection of outdoor roses, named varieties, exhibited by Newport County gardeners; first for the best 12 H. P. roses, 12 varieties, in bottles — the winning flowers, all standard sorts, being Mrs. S. G. Sharman-Crawford, Frau Karl Druschki, Gabriel Luizet, Margaret Dickson, Marchioness of Londonderry, Dupuy, Jamain, Monsieur Bonneville, Captain Hayward, Tom Wood, Mrs. John Laing and Clio. She was also first for the best vase of 25 H. P. roses, outdoor group.

Hugh D. Anchinloss (John Mahan, gardener) was first for specimen fern, for collection of hardy herbaceous flowers, for dish of Marshall strawberries and for brace of cucumbers. Mrs. William Astor (James Boyd, gardener) was first for tomatoes and several other prizes. Miss E. B. Fay, Woods Hole, Mass. (M. P. Walsh, gardener), showed some fine blooms of excellent quality, which were awarded a gratuity. For a fancy basket of roses, F. L. Wiegler was first, and Oscar Schultz second. With fruit, James McLoish was first for bunch of black grapes, bunch of white grapes, and for dish of nectarines. Prof. W. B. Green (Samuel Spear, gardener) was first for best collection of strawberries, and second for collection of vegetables.

Mrs. Wm. G. Weld was awarded the society's silver medal for display of crested, or frilled, tuberous begonias, and for a general display a table of gloxinias edged with thumbergia, gratuity; Joseph Leikens, for large specimen kentia, gratuity; Alexander MacLellan, for display vases of delphinium and digitalis, gratuity; John Mahan, for nymphs, Campanula media and collections of annuals, gratuity; W. Scott Sisson, for cactus, gratuity; William J. Watson, for cosmos, Lady Lennox, certificate of merit; William G. Postny, for sweet peas, Sutton's Queen, bronze medal, and new delphiniums, certificate of merit. A. MacL.

Frank C. Goble.

Frank C. Goble, wholesale grower of plants and cut flowers, Verona, N. J., died suddenly on Monday, June 22, from apoplexy. The funeral was held from his late home Thursday afternoon.



Emanuel Hippard.

At the age of 63 years, Emanuel Hippard died from paralysis on June 16 at his home, 103 West Rayen avenue, Youngstown, O. Six weeks ago, while returning from a trip to Cuba, he was stricken in Jacksonville, Fla. He was removed to his home a short time later in a serious condition, from which he never rallied.

Deceased was born in Elizabethtown, Pa., August 6, 1845. He was married to Miss Catherine Auchenbach, November 4, 1866. For three years Mr. Hippard served in the navy of the United States on board the man-of-war, Wachussett. During the last years of the Civil War he saw service in Co. 20, Pennsylvania cavalry. After the close of the war he was connected with the Pennsylvania R. R., in the capacity of fireman and engineer, until 1876, running between Philadelphia and Harrisburg, Pa. In February, 1882, he settled in Youngstown, beginning a business career which marked him as a man of ability in many lines. He purchased the farm where the greenhouses of John Walker are now located. These greenhouses were built by Mr. Hippard and conducted by him until a few years ago when he disposed of them to Mr. Walker. A short time after establishing the plant at Crab Creek he opened in Federal street, in the room now occupied by the Templin Co., a second flower store. This was operated by Mr. Hippard for some time.

Mr. Hippard patented and manufactured the Standard ventilator, which is so familiar to the trade; also the Duplex gutter, miles of which are in use to-day; and last of all he perfected the Standard steam trap, which is one of the best in use. The manufacture and sale of the ventilators, gutter and trap will be continued under the old name by his grandson, R. H. Little, who has had considerable experience in the shop with the deceased. Mr. Hippard has for years been a member of the Society of American Florists and American Carnation Society and a regular exhibitor at their conventions.

In his business relations Mr. Hippard was always a man of honor and was highly regarded. He was prominent in many business enterprises besides those mentioned. The local lodge of Elks numbered him among its members. In this order he was the Second Exalted Ruler of Youngstown lodge. He was also connected with the grand lodge and was one of the oldest members of the order in the city. He was a member of Tod Post, No. 29, G. A. R.

Mr. Hippard is survived by his wife and one daughter. The latter is Mrs. C. J. Little of Youngstown.

The funeral was held June 18 from the residence, with interment in Oak Hill cemetery. There was a large attendance of friends, and a great number of floral tokens of sympathy attested the general esteem in which the deceased was held by all who knew him.

The Tariff on Greenhouse Materials. Petition for Reduction.

Appended is a petition in the form of a letter which John C. Moninger Company of Chicago have filed with the Western Classification Committee for a reduction of the tariff on greenhouse materials. This will be of especial interest to our Western friends, and we are assured that the authors of the petition mean to carry the matter through to the end. The new rate would mean a great saving to all of the Western florists, and would act as a stimulus to the trade in general.

Mr. F. O. Becker, Chairman Western Classification Committee, Great Northern Bldg., Chicago, Ill.

DEAR SIR:—In making shipments of our goods throughout the West we are having considerable trouble owing to the fact that there is no way of shipping mixed carloads of what we term greenhouse material. We are shut out of a great field due to the fact that we cannot ship mixed carloads on a sufficiently low rate to get the business or to make it interesting for the prospective buyer of our class of goods. We respectfully request that you give us a fifth-class rating on carloads of our material and pursuant to our application for a fifth-class rating on what we term greenhouse material in carloads, would state that the average carload of this material or commodity would be made up as follows: Common pine lumber, 10,000 lbs. (fourth-class

L. C. L.); common pine mouldings, 1,000 lbs. (third-class L. C. L.); common unglazed sash, 1,000 lbs. (second-class L. C. L.); iron castings (rough), 1,500 lbs. (fourth-class L. C. L.); iron pipe (wrought), 1,000 lbs. (fourth-class L. C. L.); common window glass (small), 10,000 lbs. (fourth-class L. C. L.); putty, 500 lbs. (fourth-class L. C. L.); average weight of car, 25,000 to 30,000 lbs.

In many instances we can, by the application of the carload lumber rate, plus one cent per 100 lbs. for articles taking higher than lumber rate, and the application of the fourth-class L. C. L. rate on balance of the items enumerated above, making a lower rate than would be assessed on a fifth-class rate on the entire consignment, figured on a basis of a minimum weight of 30,000 lbs. for the car. However, it would be possible to do this, and these conditions would obtain, to only such nearby points as have a comparatively low rate on lumber, say seven or eight-cent rate.

To points on Western trunk line territory, and to points west of this territory, we have found by experience where we have been obliged in making up carloads to apply the L. C. L. rates of second-class on the common unglazed sash, the L. C. L. rates of third-class on the common pine mouldings and the L. C. L. fourth-class rates on balance of the list, that it makes shipping prohibitory, resulting very frequently in loss of sales



The Late Emanuel Hippard.

by us and loss of revenue by the transportation lines. To all these points we cannot successfully ship and compete with local dealers and the result follows that the man who is going to put up greenhouses builds them with locally improvised materials on which interested lines did not get a revenue or handle as freight. Far Western points cannot be reached as they use cedar, fir and other local woods for the houses, having the material made by local planing mills, whereas with a fifth-class rate we could get the business. Our class of goods are the goods that the greenhouse man wants for his houses, and were it not for the excessive freight charges he would buy them rather than put up something inferior in construction and in quality of materials used. A fifth-class rating on greenhouse materials would result in increased tonnage for the railroad lines and would tend to educate the people in the territory mentioned toward buying goods in this market. It would lessen their independence on local industries that are not equipped to furnish the goods that a man wants, but which he is forced to buy on account of the excessive tariff on this class of goods. The application of a fifth-class rate would enlarge our business along with the business of several other firms in this market who are making and selling the same class of material as mentioned in this letter.

Reference to classification No. 44 shows that in a number of instances mixed carloads made up for the benefit of dealers in a particular and special line of business are permitted; notably among them are creamery supplies, cooling room material and machinery,

which by the way is much higher grade of freight than the class of goods which we are shipping. Creamery supplies, cooling room materials and machinery, while a higher grade of freight, can be shipped at a lower carload minimum weight than we request you to establish on our greenhouse materials.

We would further point out that under the Illinois and Official classifications we are enabled to ship mixed carloads at the carload rate and at the highest minimum for any article contained therein. We give here two special cases where shipments were made and these will show at a glance the difference between shipping as mentioned in the first part of this letter and shipping under the official classification.

A carload of material made up as follows is to be shipped to Denver, Colo.:

Lumber	10,000 lbs.	\$0.97 rate
Moulding	3,000 "	1.25 "
Sash	600 "	1.25 "
Castings	950 "	.97 "
Glass	10,500 "	.97 "
Putty	500 "	.97 "
Pipe	1,250 "	.97 "

With these rates it is almost impossible for us to get much Denver business, but if we had the fifth-class rates on the carload we could send it at 77 cents and get the business. This would save the consignee 20 cents per 100 lbs., you would get the haul and the revenue and we would increase our sales.

Take the same car to Columbus, Ohio, and we could ship it on a 15-cent rate on the basis of a 30,000-lb. minimum.

We respectfully request that you consider our petition for a fifth-class rating on greenhouse materials.

Thanking you in advance for any courtesies, we are,

Yours very truly,

June 19, 1908.

JOHN C. MONINGER CO.

A Test of Peonies.

What we want is plants that will stand everything without being discouraged—those that will be prolific and sure bloomers. We had the most remarkable Spring on record. April and May eluded places and the mischief was to pay. Warm days brought out the buds and it seemed as if we would have flowers in a few days. Then, early in May, we had a succession, not of frosts but of freezes which froze the ground. It was a fearful test. Then came mild days to encourage them. Many recovered and we thought they would be all right. A bitter cruel freeze next sneaked in and caught everything unawares and we asked, "Can any living thing endure this?" Our old favorites gave it up. Of 1000 Festiva maxima, not a dozen decent blooms. The faithful L'Esperance, our dependence for Decoration Day, gave up the struggle. Calls poured in, but most of the peonies were nipped in the bud. Yet there were some that just gloried in tribulation and paid no attention whatever to little trials like those. Golden Harvest maintained her never-fail reputation and ought to stand away at the front—hardy everywhere in Manitoba and the Dakotas. The plants were covered with flowers of exquisite beauty. They need but a strong and long stem to stamp them as perfect. Charles Verdier was a glory of bloom. Faust, M. Jules Elie, Sarah Bernhardt, and Louis Van Houtel answered the roll call promptly. I was surprised at the vigor of the M. Duponts. They were by far the best and grandest of the whites—splendid solid hemispheres, seven inches across; centers flecked with carmine, so distinctly marked you could not mistake them. La Sublime literally deluged the plants with crimson beauty. Couronne d'Or never did better. Baroness Schroeder sent out a flower for every stem. One thousand Queen Victorias, usually so hardy, gave up in disgust; not a decent flower on the whole mass. Rosenfield's Triumphs, bred for hardiness and beauty, carefully selected out of thousands, and blooming qualities carefully noted for years before putting them on the market, were on hand promptly. Karl Rosenfield, the ideal crimson and the finest among 700, was all right, arrayed in royal splendor. Ak-sar-ben, brilliant crimson maroon; Grace D. Bryan, splendid large pink; Crimson Victory, radiant in loveliness; Prairie Splendor, with delicious perfume and magnificent bloom, seven inches across, with Prairie King with full globe of brilliant soft violaceous red, all sustained the test. These are very robust, the stems are from 40 to 55 inches tall; just what we have been looking for to endure the trying climate of the West. Jeanne D'Arc and Golden Harvest: As these bloomed this year, it was hard to tell the difference in the flowers. The former is probably the mother of the latter. There is this difference, a row of Jeanne D'Arc planted last Fall did not produce a flower. A row of Golden Harvest planted the same time was covered with bloom.

York, Neb.

C. S. HARRISON.

OUR READERS' VIEWS

Greenhouse Construction.

Editor Florists' Exchange:

There have appeared in the several trade papers at different times, articles on greenhouse construction, and in order to bring out the views of men of experience, we have prepared the following questions and will ask you if you will kindly give same space in your valuable paper.

VALENTIN BURGAIN'S SONS,

Kingston, N. Y.

THE HYPOTHETICAL QUESTION.

We find ourselves decidedly mixed, Mr. Editor, on the various widths and treatment of greenhouses in their construction. Before putting up another house we have decided to go slow and get the point of view of the large growers, and, if possible, profit by their experience. Their points of view are apparently so conflicting that we come to you as the court of last appeal. Will you kindly try to clear away the problem on the following points?

Mr. Alexander Montgomery claims that in their 40 feet wide and 700 feet long house there is absolutely no difference in light values on any of the benches, and the temperature and ventilation, both day and night, are under more perfect control than in any other house on the place, and that he is convinced that this house is much superior to eight small houses it would require to cover the same amount of ground space.

On top of this, Horticulture publishes an interview with Mr. Robert Simpson, in which his view is at variance. He states that 30 feet is the best width and that he feels in the wide house the center benches are not so productive.

Mr. John Young states that he has trouble in controlling the drafts in his 55-foot wide house.

On the other hand, Mr. Fred Burki, who also has a wide house, says that he has no trouble whatever with drafts, and cannot understand why there should be. We understand that Mr. Burki also claims that he is building iron frame houses now at very little increase in approximate expense over the wooden houses, which he erected in the nineties, and that wide houses are very much cheaper to erect than smaller houses covering the same ground space.

Then, to apparently knock this statement "galylest," Mr. Elliott, in his address before the Rose Society at Chicago, states that the wide houses are more expensive than the narrow, because they demand a additional frame strengthening.

Now, what is a fellow to do? Who is right? What of the shadeless ridge house?

[We gladly print the above, and it will afford us pleasure to publish correspondence from any of our readers who may desire to express their views on the interesting points raised in the "hypothetical question."—Ed. F. E.]

Mildew on Rose Killarney.

Editor The Florists' Exchange:

For some unaccountable reason the most important part of the quotation appearing in June 13 issue, page 890, about the White Killarney, was left out. I refer to what was taken from London Gardening, Illustrated, the closing sentence of which read: "It is a good variety for outdoors, the only fault one can find with it being its susceptibility to mildew." Here is what was omitted: "Under glass we have this fungus more under control—in fact, Killarney grows as clean as any other Hybrid Tea when forced." Exactly so. That practical talk agrees with my own experience with Killarney and any other variety of rose that is prone to mildew. The notion prevailing in some quarters that if we would escape mildew we must propagate the Killarney rose only from outdoor grown stock is all wrong. And that is the only reason exceptions were taken to what was said in your esteemed contemporary, Horticulture, a few weeks ago, and, it now appears in a more recent issue of the same paper, that the statement was made by Geo. C. Watson. There is no doubt at all that Mr. Watson

has been imposed upon, that he has been misinformed, and that he will find that the least he has to say in defence of his statement, the sooner will it be mended.

Allow me to quote from John N. May, a rose growing expert recognized the world over for his knowledge on the points at issue. "Regarding Killarney, I cannot say definitely whether plants propagated from stock grown in the open air in this country would be proof against mildew or not, but I presume most of the imported plants of this variety are propagated from stock growing in the open air and these, from my experience, are as much subject to mildew as any others such as we propagate in the usual way from stock growing in the greenhouses. The first of these I imported were grown as carefully as we know how to prevent mildew and other pests to which nearly all roses are subject, but they got a bad dose of mildew as soon as the dull weather set in in the Fall, and before we could keep steady fire heat and, of course, having once gotten on to the foliage, they were subject to new attacks of it whenever the atmospheric conditions were favorable for its development. This variety seems to be very subject to take mildew under conditions favorable for its development as much so as any Tea Rose or Hybrid Tea with which I am acquainted. That it can be grown free from it, if carefully handled, there is no question, but it requires good treatment to do so."

And here is what W. H. Elliott has to say, a grower whose triumphs with this deservedly popular rose is of such recent date that they need not be repeated at this time. "In regard to Killarney, would say I propagate my stock from plants grown

everywhere propagated from any healthy stock. If anyone doubts it let him come and see my stock, which has never seen outdoors excepting through glass."

These are plain, unvarnished facts, and the promulgation of some is our ideal of horticultural journalism. EDWIN LONSBARE.

PROVIDENCE. The Florists and Gardeners' Club conducted a meeting and entertainment at the Rhode Island hospital Wednesday evening, June 17. This entertainment was held through the courtesy of Dr. Peters, the superintendent of the hospital, and Mr. Hestifer, the gardener. The evening was passed in banqueting and speechmaking, which all greatly enjoyed. G. A. J.

DIRECTORY OF RELIABLE RETAIL HOUSES

The retail florist firms advertising under this heading will accept and fill orders for flowers and floral designs forwarded them by mail, telegraph or telephone, the usual commission of 25 per cent. being allowed.

\$25.00, payable quarterly in advance, will entitle the advertiser to a four-line card, under this heading, for one year, 52 insertions. For every line additional to four, \$5.00 will be charged. Four lines will average 32 words; each additional line, 9 words. Each advertiser receives one copy, free, of our Florists' Telegraph Cods.

Albany, N. Y.

EYRES, 11 North Pearl Street, cut flowers or floral designs delivered to any part of Albany and vicinity on telegraphic order. Personal attention given and satisfaction guaranteed.

Boston, Mass.

WAX BROS., 143 Tremont St. Orders for New England States receive our careful attention. We are located in the theatre and shopping district. Telegraph and mail orders solicited. Satisfaction Guaranteed. Established twenty years.

Brooklyn, N. Y.

ROBERT G. WILSON, Fulton Street and Greene Avenue. Deliveries anywhere in Brooklyn, New York, New Jersey and Long Island. Trade orders well cared for from all parts of the country, and delivered at Theatre, Hotel, Steamer or Residence. Telephones, Prospect 2840 and 4955.

Chicago, Ill.

EAUSWIRTH, The Auditorium Florist, 232 Michigan Avenue. The quality of our work is of National repute, and we are prepared to execute commissions in first-class style in Chicago and its environs.

Dayton, O.

W. G. MATTHEWS, FLOERIST, 16 West Third Street. Flowers in any arrangement for all occasions for Dayton and vicinity. Personal attention given to all orders. Long distance telephones.

Denver, Colo.

THE PARK FLORAL CO., 1706 Broadway, J. A. Valentine, Prest. Orders by wire or mail carefully filled. Usual discounts allowed. Colorado, Utah, Western Nebraska and Wyoming points reached by express.

Detroit, Mich.

JOHN BREITMEYER'S SONS, Broadway and Gratiot Avenue. We cover all Michigan points and large sections of Ohio, Indiana and Canada. Retail orders placed with us will receive careful attention.

Kansas City, Mo.

SAMUEL MURRAY, 1017 Broadway. I will deliver orders for flowers in Kansas City and vicinity promptly. A first-class stock of seasonable varieties of flowers always on hand. Wire me your orders.

Louisville, Ky.

JACOB SCRULZ, 644 4th Avenue. Personal attention given to out-of-town orders for Louisville and surrounding territory. Have a choice line of seasonable flowers always in stock; delivery facilities perfect.

New York.

YOUNG & NUGENT, 42 West 28th St. We are in the theatre district and also have exceptional facilities for delivering flowers on outgoing steamers. Wire us your orders; they will receive prompt and careful attention.



June Bridal Bouquets.

Designed by Palmer's, Buffalo, N. Y.

indoors and grow both grafted and own root stock and find very little difference. They are grafted on monetti stocks. Have used plants for two years and find they do just as well the second year. I grow them both on the solid bed and on benches and think for the first year would prefer the benches. They are grown in same temperature as Bride and Bridesmaid. The soil is fairly heavy and clayey."

Listen to what Benjamin Dorrance has to say about Killarney. It should be borne in mind that Mr. Dorrance is responsible for rescuing Killarney from possible oblivion, as against the judgment of many who had tried it and discarded it, presumably because it was too near to outdoor grown stock: "As to the advantage," says Mr. Dorrance, "of growing Killarney from outdoor grown stock, I cannot say since we have never tried this method to any extent. I presume, in the hands of a good grower, the product would be free from mildew, so long as proper care is given outdoor grown stock. On the other hand, from experience, limited, it is true, with indoor propagation, we find no trouble with mildew on Killarney when proper care is used; in fact, with us, it is the easiest of all roses to grow free from disease, or fungus. I would not presume to set up my limited knowledge in opposition to the world-wide source you quote, but just a word, Killarney only needs a grower to be a suc-

CLASSIFIED ADVERTISEMENTS

Cash with order.

The columns under this heading are reserved for advertisements of Stock for Sale, Stock Wanted, Help Wanted, Situations Wanted or other Wants; also of Greenhouse, Land, Second-Hand Materials, etc., For Sale or Rent.

Our charge is 10 cts. per line (7 words to the line), set sold, without display. No advt. accepted for less than thirty cents. Display advertisements, in these columns, 16 cents per line; count 12 lines agate to the inch.

[If replies to Help Wanted, Situation Wanted, or other advertisements are to be addressed care of this office, advertisers add 10 cents to cover expense of forwarding.] Copy must reach New York office 12 o'clock Wednesday to secure insertion in issue of following Saturday. Advertisers in the Western States desiring to advertise under initials may save time by having their answers directed care our Chicago office at 4643 Cottage Grove avenue.

SITUATIONS WANTED

SITUATION WANTED—By American, 30 years of age, married, as foreman of first-class plant; roses, carnations, etc. Address, B. S., care The Florists' Exchange.

SITUATION WANTED—By experienced greenhouse man and gardener, 35, single, good, willing worker. Address, care A. Feiger, 108 Woodward avenue, Brooklyn, N. Y.

SITUATION WANTED—By all around man as assistant; steady, good worker, temperate, aged 28, single. East or near New York preferred. Address, M. M., care The Florists' Exchange.

SITUATION WANTED—Single, life experienced, working foreman; grower of roses, carnations and general stock. References. Address, Florist, 129 West 15th street, New York City.

SITUATION WANTED—By young man, German, good worker, aged 31, 17 years' experience. Excellent references. Address, Florist, 561 Palisade avenue, Third Floor, West Hoboken, N. J.

SITUATION WANTED—Experienced grower of roses, carnations, chrysanthemums and general stock. Married. Vicinity of New York preferred. Address, B., care The Florists' Exchange.

SITUATION WANTED—Up-to-date decorator and designer, able to take charge of retail store. Years of experience; best references. State salary. Address, P., care The Florists' Exchange.

SITUATION WANTED—As section man, thoroughly experienced in American Beauty growing, etc. Best of references. New York or vicinity preferred. Address, N., care The Florists' Exchange.

SITUATION WANTED—By first-class florist and landscape gardener, German, 26, married, 12 years' practical experience in general greenhouse work; good designer, and understands store work. Please state wages in first letter. Address, Box 513, Greenport, L. I., N. Y.

SITUATION WANTED—By a young man, 22 years of age, three years' experience in general greenhouse work; good designer, and understands store work. Please state wages in first letter. Address, Box 513, Greenport, L. I., N. Y.

SITUATION WANTED—As head gardener and florist by single German, 29 years of age, 12 years in this country. Good grower of roses, carnations, chrysanthemums, and general stock. Sober, best references. E. Florist, 64 Palmer Ave., Chicago, Ill.

HELP WANTED

WANTED—First-class budblers. State experience and give references. Good wages. Address, Fancher Creek Nurseries, Fresno, Cal.

WANTED—Rose grower for section; a sober, good worker who understands his business. Send references and wages to Erie Floral Company, Erie, Pa.

WANTED—One young man with some experience in perennials; German or Scandinavian preferred. Also one who is good potter. Steady work. Frank Koehler, 400 50th street, Camden, N. J.

WANTED—For a New York wholesale cut flower house, a young all-around energetic florist, familiar with the New York City trade, one who is able to take charge; must come well recommended. A good opening for the right party. Address, M., care The Florists' Exchange.

Thirty cents is the minimum charge for advertisements on this page.

Prices Advertised in these Columns are for THE TRADE ONLY—When Writing Please Mention THE FLORISTS' EXCHANGE.

HELP WANTED

WANTED—Salesman to handle our line of brass and copper ware among florists. Good commission and exclusive territory. Live man can make good money. Colonial Brass Company, New Haven, Conn.

WANTED—A competent young assistant on private place; must have some experience in growing roses, carnations, chrysanthemums and general greenhouse stock. Call or write immediately. References, A. W. Fallender, Sanford Hall, Flushing, L. I., N. Y.

WANTED—Man to take charge of 20,000 feet of glass where carnations and a general stock for retail trade are grown. Married man with small family preferred. Nice cottage on the place. Apply, P. J. Boyle, 44 Center street, Braekton, Mass.

WANTED—For commercial place in Eastern Pennsylvania a thoroughly competent rose grower; one who has a fair knowledge of general stock preferred, but not essential. Must have unquestionable references as to character and ability. Address, with full particulars, A. B. C., care The Florists' Exchange.

MISCELLANEOUS

FOR SALE—Twenty shares of stock in the A. T. De La Mare Printing and Publishing Company—publishers of the Florists' Exchange. Price \$45.00 per share in lots of five or more shares. Apply to R. Irving Outwater, 15 Exchange Place, Jersey City, N. J.

MISCELLANEOUS WANTS

WANTED TO BUY—Greenhouses to be taken down. State full particulars of same when writing. Address, F. W., care The Florists' Exchange.

WANTED—At once, first-class field-grown carnations of leading varieties. State lowest price per thousand for large plants. L. H. Wise, Woburn, Mass.

WANTED TO BUY—Greenhouses and all kinds of greenhouse material. Dismantled and removed at once. Terms cash. Address, F. X., care The Florists' Exchange.

WANTED—To lease, about 5,000 feet of greenhouses, with land and dwelling. Southern New England or Eastern New York State preferred. Address, K., care The Florists' Exchange.

WANTED—To buy place of 6,000 to 15,000 feet of glass in good condition, near R. R., with few acres of ground; preferably in Eastern States. State particulars. Address, P., care The Florists' Exchange.

STOCK FOR SALE

SMILAX, strong, stocky, from 2 1/4 in. pots, \$1.50 per 100. Bay View Floral Company, Southold, N. Y.

SMILAX, strong, 2 and 2 1/4 in. pots, \$1.50 per 100; \$12.50 per 1000. Cash. S. H. Decker, Binghamton, N. Y.

VIOLET MARIE LOUISE, No. 1 sand rooted cuttings, for sale. Write for prices. Alva Bishop, P. O. Box 163, Rhinebeck, N. Y.

DRACAENA INDIVISA and **ASPARAGUS SPRENGERI**, very strong, 2 in., \$2.50 per 100; \$20.00 per 1000. Dean Ferris, Peekskill, N. Y.

SALVIA ZURICH, in bud and bloom, 4 in., \$8.00 per 100; 3 in., \$3.00 per 100; 2 in., \$2.00 per 100. The Krueger Brothers Company, Toledo, O.

500 **SMILAX**, 3 in. pots, 2 and 3 in a pot, \$2.50 per 100, per clump. First-class stock. J. H. A. Hutcheson, Locust Street Greenhouses, Oxford, Pa.

SWEET POTATO PLANTS, now ready. Big stems, Yellow Nansmond or Yellow Jersey, \$1.50 per 1000; by mail, 30c. per 100. H. Austin, Felton, Del.

ASPARAGUS SPRENGERI—Extra strong, 3 in. plants, \$5.00 per 100; \$45.00 per 1000. Send 10c. for sample plants. J. Koehler & Sons, Frankford, Pa.

VINCA, 2 in., 6c.; 3 1/2 and 4 in., 7c. to 10c.; all long and heavy vines. Asparagus Sprengeri, 3 1/2 in., 6c.; 4 in., 8c.; strong, Double Nasturtiums, 2 1/2 in., 3c.; R. C. 12c. Chrysanthemums, White—Estelle, Timothy Eaton, Polly Rose, Touset, Whitlowbrook, Ivory, Byron, Robinson, J. Jones, Nomin, Pink—Pacific, Ivory, Duckham, Liger, Engruhard, Yellow—Monrovia, Hallday, Bonaffon, Appleton, 4 in., \$2.25 per 100. R. C. \$1.25 per 100. Geraniums—S. A. Nutt, Double Grant, Buchner, Poltveine, Trege, etc., 3 in., 2c.; 3 1/2 in., 5c.; 4 in., 6c. Ivy Geraniums, 2 1/2 in., 2c., 3 in., 4c., 3 1/2 in., 5c. Fuchsias, 2 1/2 in., 2c. Also offer bedding plants. Money refunded on all not satisfactory. Bedding and Florist Plants of all kinds and sizes at bargain prices. Stafford Floral Company, Stafford Springs, Conn.

STOCK FOR SALE

NEPHROLEPIS WHITMANI, extra fine runners, well rooted, \$3.00 per 100; \$25.00 per 1000. Express paid to all points, within 500 miles of Rhode Island. Cash with order only. R. I. Greenhouses, Pawtucket, R. I.

CARNATIONS, field grown, Enchantress and Winsor, on and after July 1. Only a few left. To close out quick, \$55.00 per 1000. Cash or good reference with order. Wanoka Greenhouses, Barneveld, N. Y.

FLORISTS' Commercial Branching Asters, field grown, ready to plant; white, shell pink, purple and rose, \$2.50 per 1000. Cash. Proper packing; prompt shipment. A. & G. Rosbach, L'amberton N. J.

CHRYSANTHEMUMS, R. C. Bonaffon, Dr. Enguehard, \$10.00 per 100; unrooted, \$5.00 per 1000. Stevia, B. O., \$10.00 per 1000. Cash with order, please. Jacob Kol, Walnut street and Avondale road, East Nutley, N. J.

BEGONIA GLOIRE DE LORRAINE, strong plants from leaf cuttings, 2 1/4-inch pots, \$12.00 per 100; \$110.00 per 1000. Bay and Box Trees, in all sizes, pyramid and standards. Write for list. Orchids, largest stock in the country. Ask for prices. Julius Roehrs Company, Rutherford, N. J.

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FOR SALE—In Providence, R. I., a first-class florist store, well stocked and doing a good business on the Main street; established eight years. A bargain if taken at once. J. S. Kelly, 81 Jenkins street, Providence, R. I.

FOR SALE—At Madison, N. J., three greenhouses, stocked with roses; dwelling house, seven rooms and bath; five minutes from station; three minutes from freight station; city water. Inquire, Mrs. M. B. Maguire, 21 Keep street, Madison, N. J.

FOR SALE—\$800 cash will buy a good paying retail florist business in South Jersey, town of 2000 inhabitants; three greenhouses, 5250 feet of glass, stock and fixtures (steam heat) and one-half acre of ground. No opposition. A rare opportunity and worthy of investigation. Owner forced to make change on account of wife's health. Address, S., care The Florists' Exchange.

FOR SALE—Chance of a lifetime. On account of my husband's death, I desire to sell the business and property which consists of eight hothouses filled with different plants as the market here requires. Also cottage with eight rooms and barn, five acres of land in good condition, besides hotbeds and two hot-water boilers in good condition. If interested, please address, Mrs. Hugo Book, 10 College street, Worcester, Mass.

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The florist business of Chas. Schuck & Brother. This is one of the best paying establishments in Philadelphia. The plant consists of eight greenhouses, steam heated store, dwelling and stable. Established twenty-five years. References to this business can be had from any florist or seed house in Philadelphia.

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TOBACCO DUST, \$2.50 per 100 lbs.; in case lots, about 350 lbs., 2c. per lb. Tobacco stems, \$2.00 per bale, about 400 lbs. Cash with order. S. R. Levy, Binghamton, N. Y.

FOR SALE—A large consignment of 16x24 double thick American glass, A and B quality. For further information write Farsheley Brothers, 50 Montrose avenue, Brooklyn, N. Y.

FOR SALE—Greenhouse material and hot-bed sash, milled from Gulf Cypress, to any detail furnished. Oxford putty, specially made for greenhouses and hotbed sash. V. E. Reich, 1429 Metropolitan avenue, Brooklyn, N. Y.

FOR SALE—300 boxes 10x12 and 10x14 in. double thick glass; 5,000 feet 4-in. cast-iron pipe; 3,000 feet of 1, 1 1/2 and 2 in. wrought iron pipe; 300 hotbed sash, size 3x6 with 10x12 glass; two No. 17 Hitchings boilers; one No. 8 Furman sectional boiler. All as good as new. Cheap. I. Sussermann, 229 Livingston street, Newark, N. J.

FOR SALE—Four greenhouses, one 150 and three 24x80 feet long; 10x12, 12x20 and 16x21 double thick glass, 3000 feet of 4-in. cast-iron pipe, 500 feet of up-to-date ventilating apparatus, No. 15 and 17 Hitchings boilers, one 5-section Bernard & Johnson boiler; all this is practically new. Cheap in single lots, or all complete. Inquire, John E. Fray, White Oak Ridge, N. J., nearest station, Milburn or Short Hills, or address I. Sussermann, 229 Livingston St., Newark, N. J.

FOR SALE

PIPE Good serviceable second hand with good threads and a coupling, with each length, no junk—1 in., 3c.; 1 1/4 in., 4 1/2c.; 1 1/2 in., 5c.; 2 in., 6 1/2c.; 2 1/2 in., 10 1/2c.; 3 in., 14c.; and 4 in., 19c. New 2 in. standard black, 10 1/2c. Old 4 in. greenhouse pipe, 14c. per foot; 4 in. boiler tubes, 8c. per foot. All kinds of fittings for 4 in. cast iron. All sizes wrought iron pipe carried in stock.

BOILERS one 12 in. grate, new round glass boiler, will heat 650 sq. ft. of glass, \$30.00 in stock. 16 in. grate, new, round boiler, heating 900 sq. ft. of glass, \$40.00. Richmond boiler, heat 6000 ft. of glass; 1 Dundy boiler, heat 2500 ft. of glass; 1 H. B. Smith, heat 3000 ft. of glass. We have other sizes and makes in stock. Write for prices.

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GARDEN HOSE in lengths up to 500 ft. with couplings, 50 ft. lengths carried in stock. 3/4 in., 3 ply, guaranteed 100 lbs. pressure, \$4.00. 4 ply guaranteed 250 lbs. pressure, 12 1/2c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft., 80c.; glazed, complete, \$1.60 up. Second hand sash glazed, \$1.25, good condition.

GLASS New, 8x10 single at \$1.60 per box; 10x12 C. double, \$1.75 per box; 10x12 and 12x12 B. double, \$2.00 per box; 12x14 to 12x20, 14x14 to 14x20, 16x16 and 16x18, B. double, at \$2.15 per box; and 16x20, 16x24 and 12x24, B. double, \$2.25 per box. Discount given to large quantities.

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REVIEW OF THE MARKET

NEW YORK. The weather has been really too warm for the good of the flowers coming in this week. There has been a little better demand for high-grade stock than has been the rule for several weeks. Good white roses, white carnations, or, in fact, anything white, has been easier to dispose of. For some of the Bride roses 6c. was obtainable at times, and for good white carnations 2c. has been possible. These prices do not seem high, yet they are quite an improvement over what has been obtainable for several weeks past. American Beauty roses also, when good, have fetched a higher value, some of the best going as high as 15c. each. There is a lot of stock coming in, however, of both roses and carnations, that does not begin to be in the first-class grade, and for such there has been no better price than was quoted one week ago. Sweet peas are coming in very heavily, and 35c. per dozen bunches is considered a good price for really good stock. Cattleyas are still plentiful, and, while there has been a little better call for them for the last five or six days, it cannot be said that the demand has been such as to warrant the dealers putting up the prices to where they have usually been at this time of the year. There are still a few good peonies around, and, owing to their scarcity, a much better price is being realized than was possible during the glut. Pond lilies and candidum lilies are very much in evidence this week, though there does not seem to be much demand for either of them. The same also applies to Harrisii lilies; there are plenty on hand, with but little call for them. Gardenias are still in regular supply, as also are gladiolus. Of the outdoor flowers, perennial phlox and pyrethrum are coming in in fairly large quantities. There is little business doing in the green line, such as maidenhair fern, asparagus and smilax; outdoor foliage, seemingly, is more in demand just now.

PHILADELPHIA.—There is very little local business being done by the commission houses and comparatively small stock is being carried. The very hot weather is the cause of wilted condition of stock and the small amount of business. Out-of-town shipments are the mainstay of most of the houses. Some little stock of cosmos and asters, the first of the season, was received. There was a big demand for white stock last week and it still holds to a great extent. Green stock is plentiful and potted evergreens are selling fairly well. Beauty are lower this week, selling from \$15 to \$25 per 100. Bride and Maid go from \$4 to \$10. Kaiserin Augusta Victoria sells from \$3 to \$10. Cattleyas are few and bring 45 to 50 cents. Carnations plentiful at prices running from \$1 for inferior grades to \$3 for fancy kinds. Peonies are about over, although some can be found at \$4 in one or two of the commission houses. Smilax brings \$15 to \$20. Sweet peas are plentiful and not extra, averaging about 35c. Water lilies are good at \$4 though few are to be had. Harrisii lilies bring \$10 to \$15. The local florists are getting some fair business in design and wedding work and also in potted stock. The growers are making big preparations for the coming season and are busy rebuilding, painting and fixing up. Thos. Mehan Sons are making more office room and enlarging the greenhouses. P. M. R.

BOSTON.—The condition of the wholesale trade for the past week has been much more satisfactory than for several weeks past. Very warm weather has brought on crops of many of the growers and they have decided to throw out and re-plant in many instances. This has helped considerably in shortening up the supply which has been so far ahead of the demand for several weeks past. In roses good American Beauty are not plentiful and Richmond are not so good as they were. Some good Liberty are in.

Freeport, N. Y.

Mr. James Dean has disposed of his property here, and will probably return to his 80th street residence, Brooklyn, in the Fall.

Dr. Julian Dean, son of Mr. Dean, was married, in the second week of June, to Miss Marion Macdonald, of Brooklyn. The young doctor has established an office for some time past at 324 Jay street, Brooklyn, and is having an increasing and successful practice.

This is a better Summer season rose than Richmond. Some good Bruners are seen. Carnations are yet very plentiful, but the quality is still good. Sweet peas are plentiful from out-of-doors. Valley sells well. Lilies are not so plentiful. Asters have made their appearance in small lots. Prices are yet not very satisfactory though there is a tendency to quicker moving all around. J. W. D.

INDIANAPOLIS, IND.—No complaint is heard as to the past week's transactions. The retailers enjoyed a fairly good business in the various branches. Funeral work, as is customary in extremely warm weather, is very plentiful. Counter trade, too, has been enhanced with many orders. More weddings are scheduled for the 24th of this month than at any other date in the year.

All kinds of flowers have diminished in quantity and some of the growers who usually have stock to offer at wholesale are themselves eagerly accepting stock. Good carnations are difficult to obtain at \$1.50 to \$2 per 100. Harrisii, auratum and candidum lilies are nice for design work at general market prices. Out-of-door sweet peas, all colors, are a great factor at 25c. to 30c. per 100. Kaiserin Augusta Victoria roses in full crop are offered at \$3 to \$5 per 100. These, with American Beauty at \$5 to \$35 per 100 are the best for hot weather use. Excellent gladioli are brought from indoors at \$4 per 100. Hydrangea aborescens is certainly good for made-up work and brings fancy prices. Garden flowers, such as coreopsis, Shasta daisies and snapdragons, always find a liberal patronage. Tomlinson Hall Market realized a brisk business last week. Nearly all the fancy goods were accepted by the store men. Little remained after the retail trade was supplied. I. B.

CHICAGO.—The market presents an aspect of Summer dullness. The demand for cut flowers is light, and arrivals are considerably shorter, in the main, than they have been for some time, particularly in the case of indoor grown stock. Roses are plentiful, but very generally poor in quality, due to the extremely hot weather experienced during the past few days. Quite a little stock cut from early henchings is coming in, and sells better than the stock coming from the older plantings. Carnations continue to arrive in large quantities, but after the best are picked out, the balance, always in the majority, can be moved only on a sacrificial basis. Lily of the valley is in better supply and meets a demand which fluctuates from one day to another and lilies are a drug; candidums are coming quite heavily, but returns for them are very light. Asters have made their appearance, but there is too much easily and cheaply grown stock in other commodities to give them much of a showing in the price lists. Spanish iris is plentiful and good and brings from 15c. to 25c. a bunch. Fancy ferns are arriving daily from the East, and are remarkably fine in quality, although the intense heat spoils quantities of them in transit. Prices are unchanged. J. H. P.

ST. LOUIS.—The market is now in a ragged condition. The wholesalers say the demand was good last week, but stock very poor—hardly good enough to fill orders with. The hot weather has caused a good many of their consigners to pull out their old stock to make room for the young plants and from now on we will have to depend greatly upon outdoor stock. Not much will be needed from now on as the season is at an end.

The market today, June 22, surely looks like Summer. Dullness has set in for good. Carnations are of poor grade and decidedly scarce. American Beauty, long, \$3 per dozen, others from \$1.50 down to 50c. per dozen. Other roses very poor with \$5 per 100 top price. Lily of the valley line at \$4; gladioli spikes \$4 per 100; sweet peas, 25c. to 50c. per 100, not of good quality. In greens, the market is well supplied with everything, including extra good long smilax. ST. PATRICK.

Baldwins, N. Y.

David A. Dean, son of Mr. James Dean, is erecting a greenhouse range at this place. The buildings will be erected by the King Construction Company, and to start with will consist of three, each 22x125 feet. The contracts are let, and call for the completion of the houses by July 15. The shed is already erected. Mr. Dean will probably grow carnations this year, and later start plant growing, following somewhat in the lines taken by his father.

BOWLING.

NEW YORK. The subjoined scores were made by the bowlers at Thum's alleys, on Friday evening, June 12, 1908:

R. Berry	102	156
J. S. Fenrich	210	145
P. Traendly	165	150
P. O'Mara	149	134
J. Donaldson	148	108
Jos. A. Manda	130	143
N. Schreiner	162	136
J. A. Shaw	142	114
H. Gessler	137	178
R. Irwin	114	131

The contest for the W. A. Marshall prizes has closed; it consisted of 8 games. The first prize, a box of cigars, was won by Joseph A. Manda, with a total of 1262; Mr. Marshall himself was second, with 1217, and John Donaldson, who was awarded the second prize, a budding knife, scored 1192.

BALTIMORE & WASHINGTON.—About 15 of the Baltimore florists visited Washington on June 20 for a match game at bowling. They were entertained by the Washington bowlers at the Royal Bowling Alleys. The following is the score for three games:

Baltimore.		
Richmond	114	161
Peery	136	133
Moss	145	146
Lehr	144	147
Siebold	147	132
Klutch	211	155
Washington.		
Shaffer	190	166
Simmonds	156	110
McCaughey	138	153
Campbell	114	198
McLennan	179	140
Barry	134	164
C. McC.		

NEW HAVEN, CONN.—George Hunter, florist, has returned after spending a year in Australia and New Zealand.

Newport, R. I.

In the death of A. D. Rose, we have lost another staunch friend. "Doc" was a man who was led and true, and was the opinion which I formed of him way back in 1882, when we were fellow campers on the S. R. Payson estate at Watertown, Mass., and I have never had any occasion to change it. Max L.

NORTHAMPTON, MASS.—The building committee of the Trustees of the Agricultural College met last week and considered estimates for the new plant house and classrooms for the horticultural department.

GARLAND, ME.—F. W. Bond, florist and gardener, of Cornua, will start a route for seeds and plants through this place.

NASHUA, N. H.—Harold Blake, son of Charles H. Blake, florist, is at home from New Hampshire College at Durham for his Summer vacation.

GLEN COVE, N. Y.—The Nassau County Horticultural Society held its annual rose show in Pendroke Hall, on Tuesday, June 23.

EVANSVILLE, IND.—A new store front is being erected by the Blackman Floral Store at 402 Main street.

The Heather

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Tells the Story of Scotland's Famous Monarchs
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The following "Culturals" are now ready:

Amaryllis (Hippeastrum)	Deciduous Trees and Shrubs	Palms, House Culture of
Annals from Seed	Evergreen Trees and Shrubs	Pansy
Asparagus	Ferns	Peonies
Asters	Freesia	Perennials, Hardy
Begonia, Tuberos	Geranium	Primula
Bulbs	Gladiolus	Rhubarb and Asparagus
Cabbage and Cauliflower	Gloxinia	under Glass
Canna	Hot Beds and Frames	Rose Culture
Carnations, Monthly	House Plants, Care of	Small Fruits
Cauliflower, Radish and	Hyalcinths, Dutch and	Standard Fruits
Beans under Glass	Roman	Strawberries under Glass
Celery	Iris and Tritoma	Sweet Pea, The
Chinese Sacred Lily	Lewno	Tomatoes, Outdoors
Chrysanthemum	Lettuce in the Open and	Tomatoes under Glass
Climbing Plants, Hardy	under Glass	Tuberose
Coleus, and other bedders	Lily Culture for House and	Tulip
Crocus, Snowdrop and	Garden	Vegetables
Scilla Sibirica	Melons under Glass and	Violets
Cucumbers under Glass	in the Open	Water Garden, How to Make
Dahlia	Mushroom Culture	and Manage a
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PLANT CULTURE Price \$1.00

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THE WEEK'S WORK

Timme's Timely Teachings.

Myosotis.

There are seasons when forget-me-not is constantly called for and never to be had in sufficiency at the cut flower distributing centers. The appeal of the little beauty to forget it not has gone unheeded by every grower within a hundred miles. All—beware! their shortsightedness—duly take note, resolving to do better in the future. The following season everybody's shipment contains myosotis, but all efforts of the commission wholesaler to dispose of even a bunch or two occasionally are in vain; nobody wants it. To unerringly foresee the seasons of scarcity or plenty and prepare accordingly is a mental gift possessed only by a select few, whose achievements on this score are duly set forth in the never-varying notes annexed to the weekly trade reports from every city, town and hamlet of our great country. To rightly calculate and plan as to what would meet with a healthy demand the ensuing season is the problem of all others entailing the efforts of present-day growers, a problem as worthy of solution, if not more so than the question of success in production, especially as respects such easily grown by-crops as myosotis and some of still smaller importance in cut flower trading. As a potted plant, offered in connection with the usual run of Spring flowering stock, forget-me-not never yet brought discomfiture to its grower. Eliza Farnholt and Royal Blue are the kinds to grow for this line of trade. For bedding out sempervirens and dissitiflora have proved most satisfactory. Sow the seeds now in the nicely prepared soil of a frame. Keep constantly moist, pot up when large enough and grow on in partially shaded frames, re-potting once or twice as needed and giving them all the light in a cool greenhouse during Winter.

Gypsophila elegans.

Florists depending for a great part of their supply in cut material during the months of Summer on what they grow on their own premises are not likely to underestimate the value of Gypsophila paniculata, the hardy perennial, which, when once established in a garden, is sure to furnish its crop of daintily silvered sprays at the proper time every year. Equally fine for all purposes minutely flowered sprays are made to serve in floral art and to be had at almost any time while Summer lasts is Gypsophila elegans. This is an annual and one of remarkably rapid growth, flowering in about seven weeks from the time the seeds are sown. The sprays, when cut while at their finest, last in good condition for a comparatively long time, but if allowed to remain on the plants soon become seedy and are then of little value to the maker-up of floral work. A sowing of Gypsophila elegans had therefore better be made at intervals of a fortnight from early Spring until the close of August, a few rows at a time where it is to remain and flower, a transplanting not being necessary, though a thinning out, if sown too thickly, probably called for. The plant is not at all squeamish as to kind of soil and seemingly thrives and flourishes as well in the poorest sand spot as in the richest of nicely prepared field rows, grateful, however, in spells of drought for attention to watering on the part of the grower.

Adiantum pedatum.

Few suburban florists possess so limited a space for outdoor display but what a nook somewhere about the grounds could be found for a bed of hardy ferns—wild ferns, if the term suits you better, as it does your patrons. The nearer to the great city's solidly built-up squares of stone and iron the more welcome a sight is the bed of woodland green. If it is to be edged in or fringed by some strongly contrasting or, as taste may dictate, by a ribbon line, harmonizingly appropriate rather, many are the kinds of flowering or foliage plants that one might choose from. None of all these more fittingly answers the purpose, or is least likely to turn charming effect into frisky detail, than Adiantum pedatum, the only species of maiden-hair fern to be found in our woods. In looking for it there direct your steps

toward moist, gravelly places, not always the most densely shaded, never very close to the taller trees, but search beneath the undergrowth among the most coyly hidden of forest plants, and there you may find Adiantum pedatum, sometimes in groupings of a dozen or more, oftener an isolated bunch or two. Plants gathered some ten years ago and transferred to my garden when in full growth, never seemed to mind the change in soil or situation nor any shifting about from one place to another since, as occasion demanded. Although any great increase in size or spread of plants during all those years is not noticeable, none of them was lost or failed to show up every Spring. Should roving through the lonely woods possess no fascination for you, then I advise sending for the plants to where they may be listed in catalogues as belonging to hardy ferns there offered. Select and prepare a place in your grounds for their reception, taking care to have it somewhat shaded and not too freely exposed to hot and drying winds. Do not plant too close to hardy ferns of any of the other species; those of a tall growth and spreading habit would soon crowd out our rarest of wild ferns or screen from view its exquisite beauty.

Decorative Specimen Plants.

Plants too frail or of too valuable or sensitive a character to risk their being injured by temporary outdoor exposure, should nevertheless share to the fullest extent in the benefits that Summer holds forth to all vegetation. In the three or four months of warmest weather, now before us, they will do their best growing, if but afforded an opportunity. Conditions under glass during this comparatively brief period, as easily brought about and maintained by simply attending in a proper way to ventilation, shading, sprinkling and cleanliness, will do more toward advancement in perfect, clean-cut growth and actual value of greenhouse and hothouse specimens than what may be accomplished under the highest of skillful treatment during all the rest of the year. Plants of this class yet on parade in overcrowded show house or narrow quarters should be spread apart, while room in other houses is unoccupied. Replanting, if actually of need, is in order; a sponging off, even if not just needed, is of benefit and should not be considered a waste of time. It is possible that insects, nesting, crawling or hopping, so far undetected, may thus be discovered, dispelling all doubts as to the cause of puzzling behavior and appearance of plants. The extermination of plant-infesting insects is a sacred duty that no true gardener dare shirk, and the destruction of insect harboring, unsightly, hopelessly good-for-nothing plants is a proof of wisdom, the furnishing of which compels respect. But this reminds me of plant destruction of quite a different sort—the sort that is a crime, a few words will explain:

FRED. W. TIMME.

ROSES

Grafted: Belle, Bridesmaid and Killarney, 4 inch, \$26.00 per 100.
Own Root Bride, Bridesmaid and Richmond, 4 inch, \$7.00 per 100.

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Strong, field-grown plants of Campbell and California ready in August.

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Schuneman's famous violets are well known, are the most fragrant and bluest of all violets. Fine plants for benching at once, guaranteed the best stock in the market, none better, only \$10.00 per 1000. Come and take a look at them. Only seventeen (17) miles from New York. Good sample, 20c. Cash only.

George T. Schuneman's Violet Range, Baldwins, L. I., N. Y.

100,000 CHRYSANTHEMUMS

FINE, VIGOROUS STOCK

WHITE—Byron, Ivory, Bonaffon, Jones, J. J. Mitchell, Nonin, Polly Rose, Tousei, PINK—Maud Dean, Minnie Bailey, Dr. Enguehard, YELLOW—Appleton, Bonaffon, Jones, Wedding, \$2.50 per 100, \$20.00 per 1000.

Per 100 Golden Gate roses, 4 in. \$8.00
2000 Ivory roses, 3 in. 5.00
2000 Kaiserin roses, 3 in. 4.00
1000 Kaiserin roses, 3 1/2 in. 8.00
1000 Pink and White Cochet, 4 in. 8.00
500 Perles, 3 in. 5.00
Cash.

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Fine plants from 2 1/4 in. pots. While they last, at \$2.00 per 100. Order quick.

WHITE PINK
500 Opah 2000 Pacific
1500 Polly Rose 275 Pink Ivory
500 Tousei 250 Liger
200 Beatrice May 600 Wm. Duckham
700 Merry Xmas. 126 Helen Frick

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700 Bonaffon 200 Golden Wedding
500 Appleton 400 Golden Beauty

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YELLOW—Robert Halliday, Cremona, Mrs. John Whildm.

PINK—Glory of the Pacific, P. Ivory, Minnie Bailey, best late pink.
\$1.25 per 100; \$10.00 per 1000.
Cash or C. O. D.

D. H. GREEN, West Grove, Pa.

CHRYSANTHEMUMS

\$2.00 per 100. \$17.50 per 1000.

From 2 1/4 in. pots. Fine stock. Bonaffon, Eaton, Mrs. Jerome Jones (white and yellow), Ivory, White Shaw, Monrovia, Kolb, Tousei, October Frost, Helen Frick, John Burton, Dorothy Faust, Amorita, etc. Cash, please.

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For Every Purpose. A card will bring our Illustrated 1908 Catalogue.

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Successors to Nathan Smith & Son.

20,000 CHRYSANTHEMUMS

Rooted Cuttings Now Ready.

WHITE—Mrs. Geo. S. Kolb, fine early; Estelle, Ivory, Jeannie Nonin. PINK—Glory of the Pacific, Dr. Enguehard, Maud Dean, Rosiere. YELLOW—Cremona, \$2.00 per 100; \$15.00 per 1000. Cash with order.

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CHRYSANTHEMUMS

Halliday, Appleton, Tousei, and Robinson, from 2 1/4 in. pots, extra good stock.

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5000 Extra Nice Chrysanthemums.

In the following kinds: Bonaffon, Ivory, Polly Rose, Pacific, Dr. Enguehard, R. Halliday, \$2.50 per 100; \$22.00 per 1000, from 2 1/4 in. pots.

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Your Money is well spent when you advertise in

THE FLORISTS' EXCHANGE

JOHN E. HAINES BETHLEHEM, PA.

Is the place to order rooted cuttings of the following varieties for 1908: John E. Haines, red Imperial, variegated Pink Imperial, pink Enchantress, light pink \$6.00 per 100 \$50.00 per 1000. Place orders early for December delivery.

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FIELD-GROWN Chicago Carnation Co., A. T. Pyfer, Mgr. JOEET, ILL.

CARNATIONS

F. DORNER & SONS CO. LAFAYETTE, IND.

Jensen & Dekema

CARNATION SPECIALISTS 647 W. Foster Ave., CHICAGO

A. F. LONGREN

Rooted Cuttings and Plants of Carnations and Chrysanthemums My Specialty DES PLAINES, ILL.

CARNATIONS

Rooted Cuttings, No. 1 stock. White Lawson, Lady Bountiful, \$2.50 per 100; \$20.00 per 1000. Queen, Pink Lawson, \$1.50 per 100; \$15.00 per 1000.

Harlowarden, \$1.50 per 100; \$15 per 1000. Enchantress, \$2.00 per 100; \$18.00 per 1000. White Perfection, \$2.50 per 100; \$22.50 per 1000.

Cash with order or satisfactory references. SMITH & GANNETT, GENEVA, N. Y.

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Orders now booked for field-grown plants to be delivered in August and September.

1st size, \$14.00 per 100. 2nd size, \$12.00 per 100.

R. WITTERSTAETTER (Original) Station F. CINCINNATI, O.

FIELD-GROWN CARNATIONS

10,000 Enchantress, No. 1 plants, \$4.00 per 100. 2,000 Queen, No. 1 plants, \$4.00 per 100. 4,000 Victoria, No. 1 plants, \$8.00 per 100. Most profitable bright pink.

50 CROWEANUM FERNS, 6 in. pots, ready to shift into 7 in., 33c. each.

QUIDNICK GREENHOUSES, Quidnick, R. I. Anthony P.O. J. H. CUSHING, Prop.

30,000 CARNATION PLANTS

Enchantress, Harry Fern, Boston Market, Queen, Rose Enchantress, Fair Maid, from 4c. to 6c.

ROSES 1000 American Beauty, 3 1/2 in., at 6c. 500 President Carnot, 3 1/2 in., 5c. 500 Kaiserin, 3 1/2 in., 5c.

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Marie Louise and Farquhar, February and March struck, strong, sand-rooted cuttings, clean and free from disease, \$2.00 per 100; \$15.00 per 1000. Cash with order, please.

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THE WHOLESALE FLORIST OF PHILADELPHIA
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7.30 A. M. TO 8 P. M.

CANDIDUM LILIES
(Extra fine) \$1.00 per doz. stalks
CEDAR BARK \$1.00 per bundle
SPHAGNUM MOSS
\$2.50. Extra large bales
BRONZE GALAX
Extra good, \$7.50 per case

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CATTLEYAS

\$6.00 per doz. Very choice stock.

SWEET PEAS

\$7.50 per 1000. White, Lavender, Pink.

Wholesale Prices of Cut Flowers—Per 100

Boston June 22, 1908	Buffalo June 17, 1908	Detroit June 15, 1908	Cincinnati June 22, 1908	Baltimore June 24, 1908	NAMES AND VARIETIES	Milwaukee June 19, 1908	Phil'delphia June 23, 1908	Pittsburg June 24, 1908	St. Louis June 22, 1908
10.00 to 21.00	15.00 to 25.00	20.00 to 25.00	to 25.00	to	A. BEAUTY , (fancy—red) (old)	to 25.00	15.00 to 25.00	20.00 to 25.00	15.00 to 20.00
4.00 to 10.00	10.00 to 15.00	18.00 to 20.00	to 20.00	to	" extra	to 18.00	10.00 to 15.00	10.00 to 15.00	10.00 to 12.50
1.00 to 4.00	5.00 to 10.00	10.00 to 15.00	to 15.00	to	" No. 1	12.50 to 15.00	6.00 to 12.00	4.00 to 8.00	6.00 to 8.00
to	2.00 to 5.00	3.00 to 8.00	to 8.00	to	" Omb and ordinary	4.00 to 6.00	2.00 to 8.00	to 2.00	3.00 to 5.00
4.00 to 8.00	6.00 to 8.00	6.00 to 8.00	to 6.00	to 4.00	BRIDE , "MAID, (fancy—special)	to 4.00	6.00 to 10.00	to 8.00	to
2.00 to 4.00	5.00 to 6.00	4.00 to 6.00	to 5.00	to 3.00	" extra	to 6.00	3.00 to 4.00	to 6.00	4.00 to 5.00
1.00 to 2.00	4.00 to 5.00	3.00 to 4.00	to 3.00	to 2.00	" No. 1	to 4.00	2.00 to 3.00	to 4.00	2.40 to 3.00
to	2.00 to 4.00	to	to 2.00	to 1.00	" No. 2	to 2.00	1.00 to 2.00	to 2.00	to
to	2.00 to 5.00	3.00 to 8.00	1.00 to 2.00	to 5.00	GOLDEN GATE	4.00 to 6.00	3.00 to 6.00	to	to
1.00 to 8.00	3.00 to 7.00	4.00 to 8.00	to 8.00	to	K. A. VICTORIA	4.00 to 8.00	4.00 to 10.00	2.00 to 10.00	to
1.00 to 12.00	3.00 to 8.00	3.00 to 8.00	to 8.00	to	LIBERTY	to	3.00 to 10.00	2.00 to 6.00	to
to	3.00 to 7.00	to	to	to	PERLE	4.00 to 6.00	to	to	to
to	.40 to 1.00	35.00 to 50.00	to	to	ORCHIDS —(all colors)	to	to 50.00	to 75.00	to
to	to 1.00	to	to	to	" Interior grades, all colors	to 1.00	1.00 to 2.00	75 to 1.00	to 1.00
.50 to 2.00	to 1.00	2.00 to 3.00	1.00 to 1.50	.50 to 1.50	" Standard	to 1.00	1.00 to 2.00	75 to 1.00	to 1.00
.50 to 2.00	to 1.00	2.00 to 3.00	1.40 to 1.50	.50 to 1.50	" Varieties	to 1.00	1.00 to 2.00	75 to 1.00	to 1.00
.50 to 2.00	to 1.00	2.00 to 3.00	1.00 to 1.50	.50 to 1.50	" Red	to 1.00	1.00 to 2.00	75 to 1.00	to 1.00
.50 to 2.00	to 1.00	2.00 to 3.00	1.00 to 1.50	.50 to 1.50	" Yellow and var.	to 1.00	1.00 to 2.00	75 to 1.00	to 1.00
2.50 to 3.00	1.50 to 2.00	3.00 to 4.00	to 2.00	1.00 to 2.00	" White	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
2.50 to 3.00	1.50 to 2.00	3.00 to 4.00	to 2.00	1.00 to 2.00	" Pink	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
2.50 to 3.00	1.50 to 2.00	3.00 to 4.00	to 2.00	1.00 to 2.00	" Red	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
2.50 to 3.00	1.50 to 2.00	3.00 to 4.00	to 2.00	1.00 to 2.00	" Yellow and var.	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
to	to	to	to	to	Novelties	to	to	to	to
.75 to 1.00	.50 to 1.00	.75 to 1.50	to 1.00	to 1.00	ADIANTUM	to 1.00	1.00 to 1.50	1.00 to 1.25	to 1.00
to 50.00	50.00 to 60.00	30.00 to 50.00	35.00 to 50.00	25.00 to 50.00	ASPARAGUS , Plum. and Ten	20.00 to 30.00	to 50.00	35.00 to 50.00	25.00 to 35.00
to 50.00	10.00 to 15.00	30.00 to 50.00	25.00 to 50.00	to 50.00	" Sprenger bunches	20.00 to 30.00	25.00 to 50.00	10.00 to 20.00	25.00 to 35.00
6.00 to 8.00	to	10.00 to 12.50	to 10.00	3.00 to 5.00	CALLAS	to	8.00 to 12.00	to	to
to	to	to	to	to	CHRYSANTHEMUMS	to	to	to	to
.35 to .75	1.00 to 1.50	.50 to 1.00	to .10	to .10	DAISIES	to .50	to .50	to 1.50	to
4.00 to 8.00	3.00 to 5.00	3.00 to 8.00	to	to	GLADIOLUS	6.00 to 8.00	to	6.00 to 8.00	to
6.00 to 8.00	10.00 to 12.00	12.00 to 15.00	10.00 to 15.00	3.00 to 5.00	LILIES	10.00 to 12.50	10.00 to 15.00	8.00 to 12.50	10.00 to 10.00
2.00 to 4.00	2.00 to 4.00	3.00 to 4.00	to 4.00	1.00 to 3.00	LILY OF THE VALLEY	to 3.00	2.00 to 4.00	3.00 to 4.00	to 3.00
to	1.00 to 2.00	to	to	to	MIGNONETTE	to	to	to	to
to	to 15.00	15.00 to 18.00	to 15.00	8.00 to 10.00	SMILAX	to 15.00	15.00 to 20.00	12.50 to 15.00	to 12.50
to	3.00 to 5.00	4.00 to 8.00	to	1.00 to 4.00	PEONIES	to	4.00 to 10.00	3.00 to 4.00	to

The preliminary list of premiums offered by the Lake Forest Horticultural Society at its second annual exhibition to be held at Lake Forest, in July, is out, and copies may be had by addressing J. W. Sharfenberg, the secretary. Under the rules of the society, commercial florists and nurserymen are not eligible competitors for prizes. William C. Egan of Highland Park, E. A. Kaust and W. N. Rudd of Chicago, are to be the judges in the floral sections.

Edward Eisner, for many years with C. A. Samuelson, has opened a retail store on his own account at 5523 Halstead street.

Louis Turner of Winnetka, Wis., was a visitor last week. He reports business in his section as having been good throughout the season.

F. R. Hills, the Maywood florist, has gone with Mrs. Hills to California, for an indefinite visit. Mrs. Hill has not been in good health for some time, and the change is for her benefit. In their absence the store and greenhouses will be operated under the management of their two daughters.

C. W. Eichling of the Avenue Floral Company, New Orleans, is in town this week, enjoying the prevailing tropical weather.

The committee having in charge the picnic of the Chicago Florists' Club held a meeting last Thursday, when its number was added to, and the detail work apportioned. The following sub-committees were appointed: Music, J. C. Vaughan; transportation, F. F. Bentley and Aug. Poehlmann; program and printing, J. H. Pepper; catering, T. E. Waters and Ed. Enders; concessions, Fred. Lautenschlager; games, John Zech; prizes, H. N. Bruns; treasury, J. E. Jensen. A general meeting of the committee was held on Monday at the store of the Poehlmann Bros. Company, and plans formulated which promise to make July 19 a red-letter day in the history of the club. There is an open invitation to florists in all sections to join with the club in making the day one of great enjoyment.

The E. F. Winterson Company is receiving daily shipments of early white asters.

A few blooms of the new red seedling rose which Weiland & Risch are bringing out at their Evanston establishment are to be seen daily at their Wabash avenue store. It is a beautiful crimson, quite double, and very fragrant. As a Summer rose it is full of promise and bids fair to outrival Richmond. It has not yet been named, but will be in the near future. In the meantime a stock is being collected.

Some excellent blooms of the Cardinal rose are to be seen on the counters in Poehlmann Bros. Company's store. They arrive in grand commercial shape, nice tight buds, good in substance, and fine in color. The company thinks so highly of this rose that twice as many plants are being benched this year as were benched last year.

Wieter Brothers are cutting from a new planting of American Beauty roses, and some fine flowers reach their Wabash avenue store every day.

F. F. Bentley, chairman of the Chicago Florists' Club's Transportation Committee, says that the matter of transportation to the S. A. F. convention at Niagara Falls is receiving every attention, and that arrangements will be ready for announcement next week. The indications are that an unusually large number of visitors will go from Chicago this year. J. H. P.

BOSTON, MASS.

Asparagus Plumosus
Killarneys
Richmonds
Brides, Maids
American Beauties
Kaiserin
Can furnish at short notice.

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CITY HALL CUT FLOWER MARKET
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Price according to quality of goods. Long Distance Telephone 6297 and 6263

Pittsburg Cut Flower Co.
LIMITED
WHOLESALE FLORISTS

222 Oliver Ave., Pittsburg, Pa.

Chicago.

The Week's News.

Business in retail circles is keeping up pretty well and the volume for June, so far, has proved to be highly satisfactory. There has been an unusually large number of weddings, a condition always helpful to the retailer; and funeral work has been quite heavy for the time of year. As was expected, the Republican convention held last week was productive of very little business for florists in general. Retailers within the loop district downtown did a more than ordinarily good transient trade, but this was all.

Tuesday evening of this week is to see the start of a series of bowling games to determine the make-up of the team to represent Chicago at the S. A. F. convention. Mussey's alleys have been chosen for the purpose.

Quite a lot of candidum lilies arrived in the market last week, in a state which made them unfit for sale. Growers should cut them before they are fully matured if they want to get them to market in good condition.

Victor Bergman of the Ernest Wienhoeber Floral Company leaves this week for Pittsburg, where on June 26 he is to wed Miss Lena Ludwig, daughter of Gustave Ludwig, the well-known florist of that city. After the ceremony the couple will proceed East for their honeymoon. J. H. P.

BERGER BROS.

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Bell and Keystone Phones

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High Grade Cut Flowers

Store open 7.30 A. M. to 8 P. M.

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Carnations

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Seasonable Flowers.

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Dealers in Florists' Supplies and Wire Designs
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WHITE AND PINK ROSES

CHOICE BEAUTIES AND VALLEY

Send for weekly price list. We close at 6 p. m.

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Inside Chicago Market Quotations

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Poehlmann Bros. Co. Wholesale Growers of and Dealers in Cut Flowers All telegraph and telephone orders given prompt attention. Greenhouses: 35-37 Randolph St., MORTON GROVE, ILL. CHICAGO

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J. A. BUDLONG 37-39 Randolph Street, CHICAGO. Wholesale CUT FLOWERS

WHOLESALE PRICES OF CUT FLOWERS, CHICAGO, JUNE 24, 1908. Prices quoted are by the hundred unless otherwise noted

Table with columns for ROSES (American Beauty) and CARNATIONS (Standard, Varieties, Fancy, etc.) listing prices per dozen.

New York. News Notes. The season of commencements and weddings is drawing to a close, and vacations are now in order. Particularly so are the latter to those who are so situated that they can take a vacation during the warm weather. The season just closing will, we think, be one that will be long remembered, and, if we compare the business of this with that of last year, either wholesale or retail, the present one will make a very poor showing; but we must bear in mind that the business season of last year was one of the very best on record, and, strictly speaking, the comparison would not be a fair one. We should perhaps rather compare this year's trade with that of an average year. Without a doubt, the total volume of business—that is, in quantities of flowers and plants disposed of—has exceeded that of any previous year, but the money value, chiefly on account of supplies of all kinds being maintained in such excess of the daily demand, has been much less, and profits along all lines have, necessarily, been smaller. Compared with other lines of trade the florist has held his own remarkably well. There have been no failures of any importance, and every one in the trade is working and providing for next year's supply, just as though nothing had happened; and, as there is always a healthy reaction from any stringencies that occur in trade, we may confidently expect to see the flower and plant trade opening up in a good, healthy condition with the commencement of the social season next fall. Robert F. Tilney, referee in the bankruptcy proceedings of Hicks & Crawbuck, Inc., Brooklyn, N. Y., has issued notice that Eugene F. O'Connor, Jr., trustee,

CHAS. W. MCKELLAR ORCHIDS FANCY VALLEY, ROSES, CARNATIONS and all CUT FLOWERS and GREENS 51 Wabash Ave., Chicago

A. L. RANDALL CO. Western Headquarters for Up-to-Date Florists' Supplies Write for Catalogue Nos. 19-21 RANDOLPH ST., CHICAGO

Daniel B. Long and W. F. Kasting, Buffalo, N. Y. James I. Donlan sailed for Europe on the S. S. Mauretania, Wednesday, June 24, and will spend two months in England and Ireland. St. Louis. News Notes. The sad news of the death of our friend, Alexander Wallace, in the last issue of The Florists' Exchange, was a great shock to the many friends of Mr. Wallace in the trade here, who extend their sympathy. Frank Weber and J. W. Schuette, who were delegates to the nurserymen's convention recently held at Milwaukee, have returned home much pleased with their trip and report a great time. William Osseck of W. C. Smith & Company, and Miss Matilda Windt, daughter of the well-known florist, J. P. Windt, 501 Bayard avenue, were married last week, at the residence of the bride's parents. The happy couple left the same evening for a trip to New York and other points. They will return July 15. We extend our congratulations. The St. Louis Horticultural Society's executive committee held a meeting Tuesday of last week, Chairman Sanders presiding. Arrangements were perfected for the annual flower show to be held this fall. A committee was appointed to look up a suitable hall in which to hold the exhibition. Mr. Sanders is of the opinion that this year's show will be a success. The Engleman Botanical Club held a meeting last week in the Central High School Building and decided to conduct no more meetings during the next three months; the meeting was well attended. The following list of players who will comprise the wholesalers' baseball team was given out: George Schriever, pitcher; Fred. Alves, catcher; Ed. Gerlach, 1st base; J. O'Rourke, 2d base; L. Shippers, 3d base; Al. Gunis, ss.; C. Sanner, Otto Bruning and W. C. Smith, in the field. The subs. are C. H. Kuehn, H. Berning and Geo. Augermuller. The W. C. Smith Wholesale Floral Company was incorporated the past week with a capital of \$5,000, all paid up. They do a general wholesale business at 1316 Pine street. The incorporators are W. C. Smith, Will H. Osseck and Christian Smith. Miss Theresa Badaracco, the well-known Olive street retail florist, will again take up her vocal studies. Miss Theresa is noted for her fine voice, having sung at different large concerts the past year. The trustees of the Florists' Club held a special meeting at the store of W. C. Smith & Company, and completed all arrangements for the florists' picnic, to be held at Normandy Grove, July 15. They will also make a great effort to have all the retailers close half a day; the wholesalers always do; there will be a large list of special prizes donated by the different florists. The main event will be the much talked of baseball game between the retailers and wholesalers. Both teams are at practice and great rivalry exists between them. The bowlers, too, will have a chance to win some prizes this year and the alleys are in splendid condition for big scores. ST. PATRICK.

New Orleans. Jottings. W. Eichling is in attendance at the national saengerfest at Indianapolis and will later visit Chicago and other large centers. A fire which destroyed some cottages belonging to J. St. Mard did considerable damage to his greenhouses and plants. His planting of chrysanthemums was badly scorched and a quantity of new pots were totally destroyed. At their June meeting the Horticultural Society decided to have their annual outing this season at Mandeville, which is beautifully situated on the shores of Lake Pontchartrain. James A. Newsham, who has just returned from a two-months' trip to Central America, gave a very interesting talk upon his journey in search of orchids and told of the many hardships and difficulties that the collector has to contend with. Mr. Newsham was tendered a hearty vote of thanks. The Abele Bros. exhibited well-grown plants of the double lobelia and some fine aster blooms, the first of the season. CRESCENT CITY.

Henry M. Robinson & Co.

Wholesale Commission Florists

HARDY CUT EVERGREENS AND FLORISTS' SUPPLIES

Bronze Galax, best quality \$8.50 case of 10,000.
Green Galax, best quality \$7.50 case of 10,000
New crop **Dagger** and **Fancy Ferns**, \$1.00 per 1,000.

Laurel Festooning, Box-wood, **Sphagnum** and **Green Moss**, Southern **Wild Smilax**, **Leucothoe** Sprays, etc.



5 Province St. and 9 Chapman Place, Boston, Mass.



New Crop Native Ferns, Fancy or Dagger, 75c. per 1000.
Nice, fancy Ferns, 85c. per 1000. Good Dagger Ferns, \$1.00 per 1000. Galax, Green or Bronze, \$1.00 per 1000; case lots, 10,000, \$7.50. 50 lb. cases Wild Smilax, \$6.00. Leucothoe Sprays, Bronze or Green, 40c. per 100. Ground Pine, 5c. per lb. or 5c. per yd. Pine and Laurel wreaths, 1 line, \$1.50 per doz.; Laurel, \$2.50 and \$3.00 per doz.

Send your orders early for your decoration use. Laurel Festooning, 4c., 5c. and 6c. per yd.; made daily fresh from the woods. Box-wood, No. 1 quality, \$8.00 per case, 50 lbs.

Telegraph office New Salem, Mass. L. D. Phone Connections. **CROWL FERN CO., MILLINGTON, MASS.**

HARDY CUT FERNS

FANCY and **DAGGER**. Extra fine, \$1.75 per 1000. **BRONZE** and **GREEN GALAX**, \$1.25 per 1000, \$7.50 per 10,000. **LEUCOTHOE SPRAYS**, \$1.00 per 100; \$7.50 per 1000. **SPHAGNUM MOSS**, extra large bales, per bale, \$1.25. **BOX-WOOD**, per bunch, 35c.; 50 lbs., \$7.50. **FANCY** and **DAGGER FERN** our peciality. A trial order will convince you that we ship only first-class stock. Headquarters for florists' supplies and wire work. All cut flowers in season.

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Dagger Ferns, - \$1.00 per 1000
Fancy " - 1.25 "

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WIRED TOOTHPICKS

10,000, \$75; 50,000, \$7.50

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Florist Specialties.
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Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
3/4 inch, per ft., 15 c
Keel of 50 ft., " 14 1/2 c
2 Keels, 1000 ft., " 14 c
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Couplings furnished.

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WHY? Because many debtors will pay the Board fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

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KILMDEAD TOBACCO DUST

is a very fine powder and readily sprinkled, covering twice the surface of the ordinary product. It is easily lighted without the use of kerosene and every particle will burn up slowly producing an even and thorough fumigation. Nothing like it on the market. Five pounds will fumigate a house 100x25 feet. Order this kind the next time you want any dust, and you will be pleased with the results. We guarantee it. 10 lb. 60c; 25 lb. \$1.25; 50 lb. \$2.00; 100 lb. \$3.50.

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The Best

BUG KILLER

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Standard Flower Pots

Packed in small crates easy to handle.		Price per crate.	
1500 2 1/2 in. pots in crate, \$4.88	1207 in. pots in crate, \$4.20		
1500 2 1/4 " " " 6.25	1008 " " " 6.00		
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Seed pans, same price as pots. Send for price list of cylinders for cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off in cash with order.

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Shredded or Pulverized
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34 Union Stock Yards, Chicago

Ideal Plant Food

Put up in lots of 50 boxes for the trade with your name and address on labels. Price \$7.00.

EDWARD MacMULKIN,
194 BOYLSTON ST., BOSTON, MASS.

Cincinnati.

Trade and Other News.
Miss Charlotte Weber, daughter of N. Weber, florist, Mohawk place, Cincinnati, was married June 18, at Milwaukee, Wis., at the Orphan Asylum, to E. Clark, also of Cincinnati.

J. A. Peterson, the plantsman, tells me his business all season has been fine. This comes from being a hustler, a good plantsman and growing what will sell and what the people want.

Please take notice that all eyes will be centered on Cincinnati for the next five months and mark it down on your slate that Cincinnati will furnish the next President of these United States. William H. Taft and James S. Sherman were in Cincinnati June 20, and Republican headquarters will be established here. So the outlook for the florist's business looks good to me, especially in September, October and November.

In October the Grand State Conclave of Knights Templar of Ohio convenes in Cincinnati. This always means a lively week for the florists, as the headquarters of all the Commanderies are nearly always decorated when they keep open house.

Business during the past week has shown considerable improvement. The writer had the first asters June 24. They were grown outside, were very good and sold at \$1.50 per 100.

H. Schmidt, of Oxford, O., was a caller June 20. He is the grower of the asters and will be ready with chrysanthemums when needed in September; starting the ball rolling with Monrovia and Polly Rose. E. G. Gillett will handle his cut.

L. F. Benson, the Newport (Ky.) florist, has sold out his business to J. Mounders. Mr. Benson contemplates an extensive trip West, possibly reaching the Pacific coast, looking for a location and a more congenial climate.

George Walker, superintendent of the Jabez Elliott Flower Market, has been on the sick list for the past four weeks; he has now gone to the country to recuperate. George and "Bill" Taft are about the same size. We are thinking of getting up a goat race between them for our annual outing.

There will be a meeting of the board of directors of the Cincinnati Florists' Society, Monday, June 22, at the office of E. G. Gillett at 2:30 p. m. to talk on some special business. E. G. G.

Washington, D. C.

News Items.
Washington is firmly in the grasp of a torrid wave, which has sent people scurrying out of town by the hundred each day and made the city, comparatively speaking, a deserted village. With the people go the chief support of the retail florist stores and their absence is felt accordingly.

The usual business inactivity which goes hand and hand with election year seems to have magnified its various forms this season in all the commercial branches.

Many of the local florists attended the outing given by Florists' Club bowling team at Chesapeake Beach on June 18, where they enjoyed the various amusements, including the bowling alleys. Prof. Charlemagne Koehler, honorary member of the club, was among the number who took the outing.

Z. D. Blackstone has had a very unique and exquisitely made window decoration, consisting of an artist's palette with brushes, paints, etc., worked in splendid color value and effect by the use of immortelles and other material. JAS. L. CARBERY.

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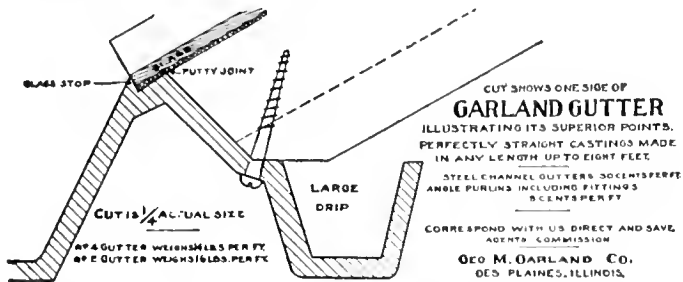
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Peters & Soo of Hempstead, L. I., say: "Your circulator, new model, installed for us last December gives perfect satisfaction. It heated, without half trying, our three large greenhouses. We figure that in one more season it will nearly pay for itself in saving of coal. No fear of frosts now!"

No greenhouse is perfect without it. No greenhouse is out-of-date with it.

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Conshohocken, Pa., March 26, 1908

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I have used six boilers in my experience, but none can touch the "Burnham."

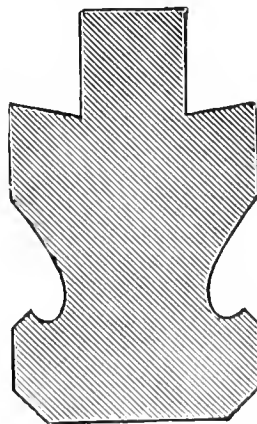
Yours truly,

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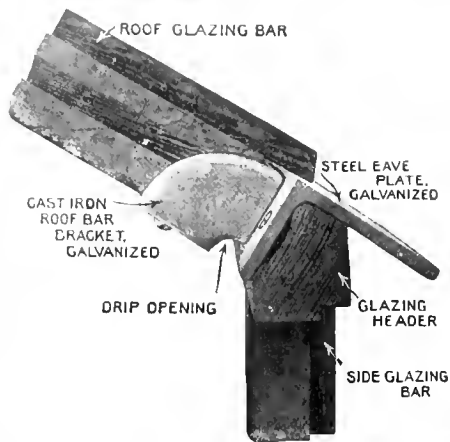
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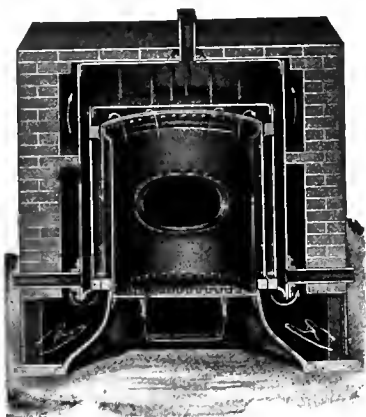
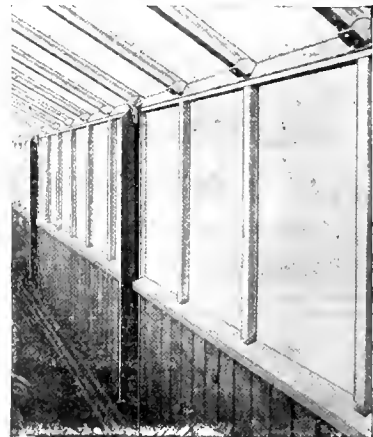
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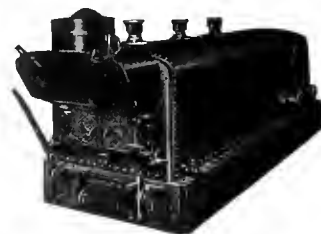
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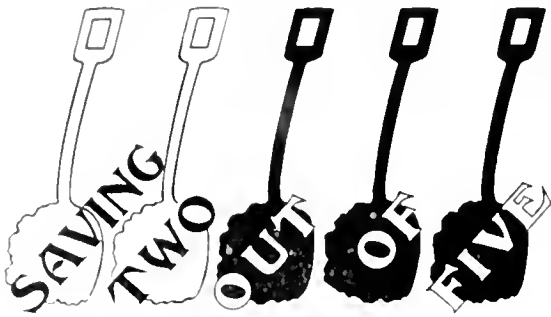
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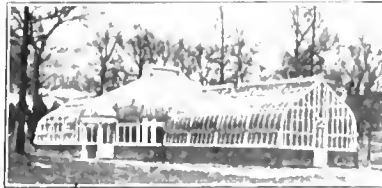
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No. 11

It is a well known fact that the cost of building a greenhouse is a large item in the budget of the grower. It is also a fact that the cost of maintaining a greenhouse is a large item in the budget of the grower. It is therefore, of great importance to the grower to know the best material to use in building a greenhouse. This is the purpose of the talks on greenhouse material. The talks will be given by Mr. J. C. Stearns, of the A. T. Stearns Lumber Co., of Neponset, Mass. The talks will be given on the following subjects: 1. The selection of material. 2. The construction of the greenhouse. 3. The cost of the material. 4. The cost of the construction. 5. The cost of the maintenance. 6. The cost of the operation. 7. The cost of the profit. 8. The cost of the loss. 9. The cost of the repair. 10. The cost of the replacement. 11. The cost of the depreciation. 12. The cost of the interest. 13. The cost of the taxes. 14. The cost of the insurance. 15. The cost of the freight. 16. The cost of the labor. 17. The cost of the fuel. 18. The cost of the water. 19. The cost of the electricity. 20. The cost of the gas. 21. The cost of the oil. 22. The cost of the kerosene. 23. The cost of the coal. 24. The cost of the wood. 25. The cost of the brick. 26. The cost of the stone. 27. The cost of the concrete. 28. The cost of the plaster. 29. The cost of the paint. 30. The cost of the paper. 31. The cost of the glass. 32. The cost of the sash. 33. The cost of the hinges. 34. The cost of the bolts. 35. The cost of the nuts. 36. The cost of the washers. 37. The cost of the rivets. 38. The cost of the nails. 39. The cost of the screws. 40. The cost of the staples. 41. The cost of the wire. 42. The cost of the rope. 43. The cost of the twine. 44. The cost of the twine. 45. The cost of the twine. 46. The cost of the twine. 47. The cost of the twine. 48. The cost of the twine. 49. The cost of the twine. 50. The cost of the twine.

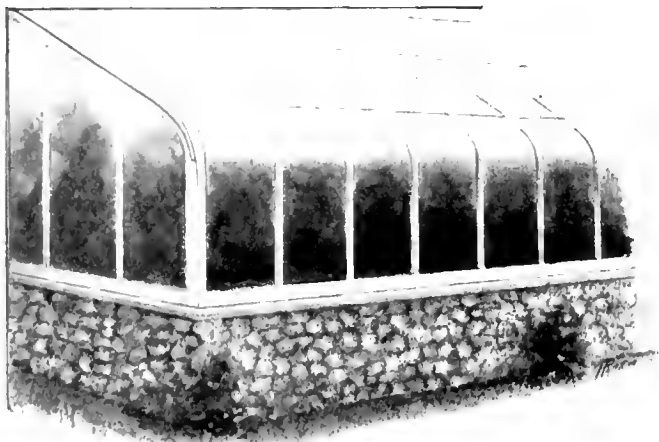
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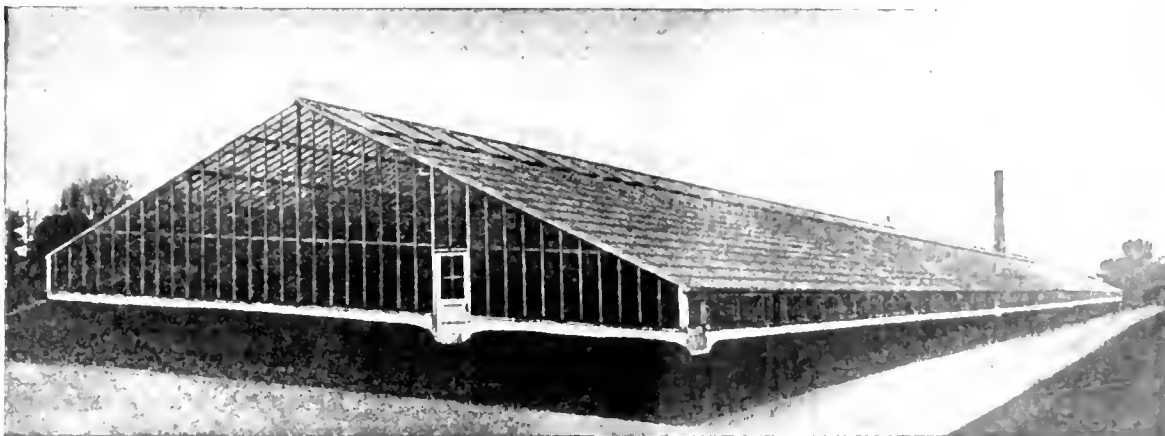


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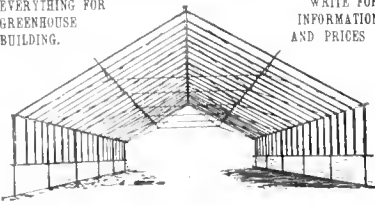
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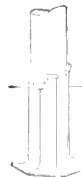
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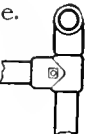
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Say, That's So,

this is the firecracker, sky rocket month! Independence Day, put-out eyes, blown-off fingers and other little matters. Now while the other fellow is making so much noise, we want to explode under you one of our own make of giant crackers, something that will move you in the right direction. We are going to touch the fuse on this greenhouse question. You know how a good wood post rots out? Well, a guaranteed wrought iron post doesn't, so don't you ever use another wood post (that is if you are on the lookout for something better and cheaper). Our Clamp Column Fittings are another thing to get burned into your mind; they are interchangeable and by using them you can have the Giant Arch in your cypress house. These clamp fittings used with pipe columns hold your house up, down, and clamp the whole proposition together. Gee, that was a big noise! Well, then get in line.



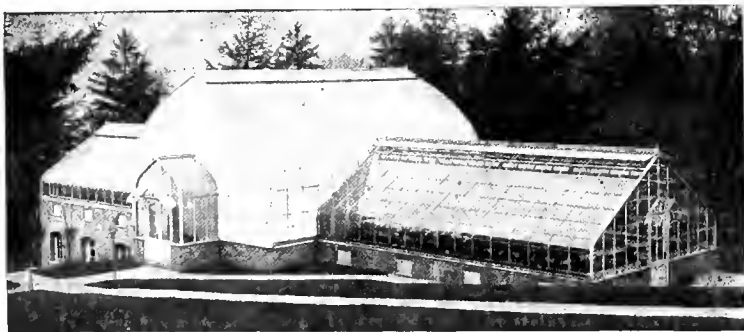
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